

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**Riepilogo:**

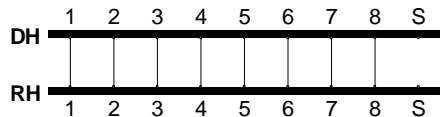
<u>Tutti i cavi</u>	<u>Twisted Pair</u>	<u>Coax/Twinax</u>	<u>Fibra</u>	<u>Custom</u>
Totale: 168	Totale: 168	Totale: 0	Totale: 0	Totale: 0
OK: 168	OK: 168	OK: 0	OK: 0	OK: 0
Errato: 0	Errato: 0	Errato: 0	Errato: 0	Errato: 0
	Lunghezza tot.: 7601.70m	Lunghezza tot.: 0.00m	Lunghezza tot.: 0.00m	Lunghezza tot.: 0.00m

**OK**

ID cavo 1: 0001	Tipo di cavo: CAT 6-250 UTP Perm	Test Standard: TIA/EIA-568-B.2
ID cavo 2:	NVP: 0.72c	Gamma frequenza: 1-250 MHz
Data del test: 29/06/2013	LT8600 [513010/513019]	Operatore: AT
Test Time: 09:37:14	F/W Version: V2.621	Contractor: YOUUS Srl
Adapter ID: 600		Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

**Coppia (NVP)**

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	8.0m	8.2m	8.5m	8.4m	< 90.0m	OK
Ritardo di propag.	52.2ns	53.1ns	54.5ns	53.7ns	< 510.0ns	OK
Diff. t. ritardo	2.3ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.5 Ohm	99.3 Ohm	97.8 Ohm	100.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	3.6 Ohm	3.5 Ohm	4.3 Ohm	3.5 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.7pF/m	48.5pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	0.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	39.0 dB @ 245.50MHz	N/A	> 35.4 dB	3.6 dB
7,8-5,4	DH	OK	47.7 dB @ 228.00MHz	N/A	> 36.0 dB	11.7 dB
7,8-1,2	DH	OK	52.0 dB @ 211.50MHz	N/A	> 36.5 dB	15.5 dB
3,6-5,4	DH	OK	44.6 dB @ 224.00MHz	N/A	> 36.1 dB	8.5 dB
3,6-1,2	DH	OK	43.1 dB @ 241.50MHz	N/A	> 35.6 dB	7.5 dB
5,4-1,2	DH	OK	46.8 dB @ 244.50MHz	N/A	> 35.5 dB	11.3 dB
7,8-3,6	RH	OK	42.1 dB @ 217.50MHz	N/A	> 36.3 dB	5.8 dB
7,8-5,4	RH	OK	44.4 dB @ 229.00MHz	N/A	> 35.9 dB	8.5 dB
7,8-1,2	RH	OK	51.5 dB @ 210.00MHz	N/A	> 36.6 dB	14.9 dB
3,6-5,4	RH	OK	42.1 dB @ 225.00MHz	N/A	> 36.1 dB	6.0 dB
3,6-1,2	RH	OK	43.0 dB @ 229.00MHz	N/A	> 35.9 dB	7.1 dB
5,4-1,2	RH	OK	48.7 dB @ 214.50MHz	N/A	> 36.4 dB	12.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	13.0 dB @ 224.00MHz	N/A	> 10.5 dB	2.5 dB
3,6	DH	OK	12.9 dB @ 229.50MHz	N/A	> 10.4 dB	2.5 dB
5,4	DH	OK	14.3 dB @ 225.50MHz	N/A	> 10.5 dB	3.8 dB
1,2	DH	OK	14.4 dB @ 226.00MHz	N/A	> 10.4 dB	4.0 dB
7,8	RH	OK	13.1 dB @ 223.50MHz	N/A	> 10.5 dB	2.6 dB
3,6	RH	OK	13.5 dB @ 229.50MHz	N/A	> 10.4 dB	3.1 dB
5,4	RH	OK	14.9 dB @ 226.00MHz	N/A	> 10.4 dB	4.5 dB
1,2	RH	OK	14.3 dB @ 225.50MHz	N/A	> 10.5 dB	3.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	3.5 dB @ 233.50MHz	N/A	< 29.9 dB	26.4 dB
3,6	OK	3.9 dB @ 220.00MHz	N/A	< 28.9 dB	25.0 dB
5,4	OK	3.7 dB @ 234.00MHz	N/A	< 30.0 dB	26.3 dB
1,2	OK	3.4 dB @ 249.50MHz	N/A	< 31.1 dB	27.7 dB

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Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0001  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:37:14  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: AT  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.8 dB @ 245.50MHz	N/A	>= 4.6 dB	31.2 dB
3,6	DH	OK	35.6 dB @ 245.50MHz	N/A	>= 4.6 dB	31.0 dB
5,4	DH	OK	41.4 dB @ 224.00MHz	N/A	>= 6.9 dB	34.5 dB
1,2	DH	OK	40.0 dB @ 241.00MHz	N/A	>= 5.1 dB	34.9 dB
7,8	RH	OK	39.0 dB @ 217.50MHz	N/A	>= 7.6 dB	31.4 dB
3,6	RH	OK	38.7 dB @ 216.50MHz	N/A	>= 7.6 dB	31.1 dB
5,4	RH	OK	38.6 dB @ 225.00MHz	N/A	>= 6.8 dB	31.8 dB
1,2	RH	OK	40.0 dB @ 228.00MHz	N/A	>= 6.5 dB	33.5 dB

**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.5 dB @ 229.00MHz	N/A	> 17.0 dB	18.5 dB
7,8-5,4	DH	OK	43.7 dB @ 215.00MHz	N/A	> 17.5 dB	26.2 dB
7,8-1,2	DH	OK	47.7 dB @ 210.00MHz	N/A	> 17.7 dB	30.0 dB
3,6-7,8	DH	OK	37.1 dB @ 215.50MHz	N/A	> 17.5 dB	19.6 dB
3,6-5,4	DH	OK	34.2 dB @ 222.00MHz	N/A	> 17.2 dB	17.0 dB
3,6-1,2	DH	OK	44.5 dB @ 186.00MHz	N/A	> 18.8 dB	25.7 dB
5,4-7,8	DH	OK	43.6 dB @ 211.00MHz	N/A	> 17.7 dB	25.9 dB
5,4-3,6	DH	OK	32.9 dB @ 223.50MHz	N/A	> 17.2 dB	15.7 dB
5,4-1,2	DH	OK	41.5 dB @ 222.00MHz	N/A	> 17.2 dB	24.3 dB
1,2-7,8	DH	OK	48.3 dB @ 208.00MHz	N/A	> 17.8 dB	30.5 dB
1,2-3,6	DH	OK	44.6 dB @ 183.00MHz	N/A	> 18.9 dB	25.7 dB
1,2-5,4	DH	OK	41.3 dB @ 221.00MHz	N/A	> 17.3 dB	24.0 dB
7,8-3,6	RH	OK	36.0 dB @ 216.00MHz	N/A	> 17.5 dB	18.5 dB
7,8-5,4	RH	OK	44.0 dB @ 217.00MHz	N/A	> 17.4 dB	26.6 dB
7,8-1,2	RH	OK	47.7 dB @ 211.00MHz	N/A	> 17.7 dB	30.0 dB
3,6-7,8	RH	OK	36.8 dB @ 216.50MHz	N/A	> 17.5 dB	19.3 dB
3,6-5,4	RH	OK	34.0 dB @ 222.00MHz	N/A	> 17.2 dB	16.8 dB
3,6-1,2	RH	OK	43.8 dB @ 186.00MHz	N/A	> 18.8 dB	25.0 dB
5,4-7,8	RH	OK	44.1 dB @ 213.00MHz	N/A	> 17.6 dB	26.5 dB
5,4-3,6	RH	OK	33.2 dB @ 225.00MHz	N/A	> 17.1 dB	16.1 dB
5,4-1,2	RH	OK	41.1 dB @ 222.00MHz	N/A	> 17.2 dB	23.9 dB
1,2-7,8	RH	OK	48.2 dB @ 208.00MHz	N/A	> 17.8 dB	30.4 dB
1,2-3,6	RH	OK	44.8 dB @ 184.50MHz	N/A	> 18.8 dB	26.0 dB
1,2-5,4	RH	OK	41.4 dB @ 221.00MHz	N/A	> 17.3 dB	24.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	38.8 dB @ 245.50MHz	N/A	> 32.4 dB	6.4 dB
3,6	DH	OK	37.8 dB @ 244.00MHz	N/A	> 32.5 dB	5.3 dB
5,4	DH	OK	43.1 dB @ 224.00MHz	N/A	> 33.1 dB	10.0 dB
1,2	DH	OK	42.1 dB @ 244.50MHz	N/A	> 32.5 dB	9.6 dB
7,8	RH	OK	41.0 dB @ 217.50MHz	N/A	> 33.3 dB	7.7 dB
3,6	RH	OK	39.5 dB @ 227.00MHz	N/A	> 33.0 dB	6.5 dB
5,4	RH	OK	40.8 dB @ 226.00MHz	N/A	> 33.0 dB	7.8 dB
1,2	RH	OK	42.5 dB @ 242.00MHz	N/A	> 32.5 dB	10.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.6 dB @ 245.50MHz	N/A	>= 1.6 dB	34.0 dB
3,6	DH	OK	34.4 dB @ 229.50MHz	N/A	>= 3.3 dB	31.1 dB
5,4	DH	OK	39.9 dB @ 224.00MHz	N/A	>= 3.9 dB	36.0 dB
1,2	DH	OK	39.0 dB @ 242.50MHz	N/A	>= 1.9 dB	37.1 dB
7,8	RH	OK	37.9 dB @ 217.50MHz	N/A	>= 4.6 dB	33.3 dB
3,6	RH	OK	36.1 dB @ 227.00MHz	N/A	>= 3.5 dB	32.6 dB
5,4	RH	OK	37.5 dB @ 226.00MHz	N/A	>= 3.6 dB	33.9 dB
1,2	RH	OK	39.5 dB @ 228.00MHz	N/A	>= 3.5 dB	36.0 dB

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Nome lavoro: Via Magenta 5 - ROMA  
Cliente:

Data relazione: 29/06/2013  
S/W Version: 3.278

**OK**

ID cavo 1: 0001  
ID cavo 2:  
Data del test: 29/06/2013  
Test Time: 09:37:14  
Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
NVP: 0.72c  
LT8600 [513010/513019]  
F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
Gamma frequenza: 1-250 MHz  
Operatore: AT  
Contractor: YOUUS Srl  
Company: AMNESTY INTERNATIONAL

Notes:  
**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.2 dB @ 215.50MHz	N/A	>= 14.5 dB	21.7 dB
3,6	DH	OK	31.4 dB @ 223.50MHz	N/A	>= 14.2 dB	17.2 dB
5,4	DH	OK	33.2 dB @ 222.00MHz	N/A	>= 14.2 dB	19.0 dB
1,2	DH	OK	40.5 dB @ 198.00MHz	N/A	>= 15.2 dB	25.3 dB
7,8	RH	OK	35.2 dB @ 216.00MHz	N/A	>= 14.5 dB	20.7 dB
3,6	RH	OK	32.8 dB @ 222.00MHz	N/A	>= 14.2 dB	18.6 dB
5,4	RH	OK	32.4 dB @ 225.00MHz	N/A	>= 14.1 dB	18.3 dB
1,2	RH	OK	40.3 dB @ 221.00MHz	N/A	>= 14.3 dB	26.0 dB

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Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

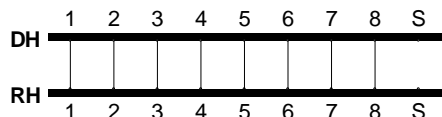
**OK**

ID cavo 1: 0002  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:39:08  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	14.8m	15.3m	15.6m	15.0m	< 90.0m	OK
Ritardo di propag.	83.3ns	85.7ns	87.3ns	84.7ns	< 510.0ns	OK
Diff. t. ritardo	4.0ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	101.3 Ohm	102.0 Ohm	101.1 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	4.6 Ohm	5.3 Ohm	5.9 Ohm	4.5 Ohm	< 20.0 Ohm	OK
Capacità	46.5pF/m	46.3pF/m	46.8pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	3.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.7 dB @ 233.50MHz	N/A	> 35.8 dB	4.9 dB
7,8-5,4	DH	OK	49.2 dB @ 241.50MHz	N/A	> 35.6 dB	13.6 dB
7,8-1,2	DH	OK	50.2 dB @ 206.50MHz	N/A	> 36.7 dB	13.5 dB
3,6-5,4	DH	OK	47.5 dB @ 230.00MHz	N/A	> 35.9 dB	11.6 dB
3,6-1,2	DH	OK	43.7 dB @ 250.00MHz	N/A	> 35.3 dB	8.4 dB
5,4-1,2	DH	OK	46.8 dB @ 247.00MHz	N/A	> 35.4 dB	11.4 dB
7,8-3,6	RH	OK	44.5 dB @ 224.50MHz	N/A	> 36.1 dB	8.4 dB
7,8-5,4	RH	OK	45.2 dB @ 243.00MHz	N/A	> 35.5 dB	9.7 dB
7,8-1,2	RH	OK	50.8 dB @ 219.00MHz	N/A	> 36.3 dB	14.5 dB
3,6-5,4	RH	OK	44.9 dB @ 230.00MHz	N/A	> 35.9 dB	9.0 dB
3,6-1,2	RH	OK	46.9 dB @ 219.00MHz	N/A	> 36.3 dB	10.6 dB
5,4-1,2	RH	OK	47.7 dB @ 236.50MHz	N/A	> 35.7 dB	12.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	13.6 dB @ 226.50MHz	N/A	> 10.4 dB	3.2 dB
3,6	DH	OK	14.0 dB @ 234.00MHz	N/A	> 10.3 dB	3.7 dB
5,4	DH	OK	14.8 dB @ 236.50MHz	N/A	> 10.3 dB	4.5 dB
1,2	DH	OK	15.2 dB @ 228.50MHz	N/A	> 10.4 dB	4.8 dB
7,8	RH	OK	13.8 dB @ 166.00MHz	N/A	> 11.8 dB	2.0 dB
3,6	RH	OK	14.1 dB @ 233.50MHz	N/A	> 10.3 dB	3.8 dB
5,4	RH	OK	15.8 dB @ 236.00MHz	N/A	> 10.3 dB	5.5 dB
1,2	RH	OK	14.8 dB @ 168.00MHz	N/A	> 11.7 dB	3.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	5.6 dB @ 226.00MHz	N/A	< 29.4 dB	23.8 dB
3,6	OK	5.8 dB @ 241.50MHz	N/A	< 30.5 dB	24.7 dB
5,4	OK	5.7 dB @ 249.00MHz	N/A	< 31.1 dB	25.4 dB
1,2	OK	5.3 dB @ 229.00MHz	N/A	< 29.6 dB	24.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	35.6 dB @ 232.50MHz	N/A	>= 5.9 dB	29.7 dB
3,6	DH	OK	35.2 dB @ 232.50MHz	N/A	>= 5.9 dB	29.3 dB
5,4	DH	OK	41.7 dB @ 247.00MHz	N/A	>= 4.5 dB	37.2 dB
1,2	DH	OK	39.0 dB @ 249.50MHz	N/A	>= 4.2 dB	34.8 dB
7,8	RH	OK	39.3 dB @ 224.50MHz	N/A	>= 6.8 dB	32.5 dB
3,6	RH	OK	39.1 dB @ 224.50MHz	N/A	>= 6.8 dB	32.3 dB
5,4	RH	OK	40.0 dB @ 230.00MHz	N/A	>= 6.2 dB	33.8 dB
1,2	RH	OK	41.6 dB @ 219.00MHz	N/A	>= 7.4 dB	34.2 dB

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Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0002  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:39:08  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.8 dB @ 219.50MHz	N/A	> 17.3 dB	18.5 dB
7,8-5,4	DH	OK	43.3 dB @ 249.00MHz	N/A	> 16.2 dB	27.1 dB
7,8-1,2	DH	OK	40.3 dB @ 249.50MHz	N/A	> 16.2 dB	24.1 dB
3,6-7,8	DH	OK	35.9 dB @ 171.50MHz	N/A	> 19.5 dB	16.4 dB
3,6-5,4	DH	OK	45.0 dB @ 250.00MHz	N/A	> 16.2 dB	28.8 dB
3,6-1,2	DH	OK	48.0 dB @ 171.00MHz	N/A	> 19.5 dB	28.5 dB
5,4-7,8	DH	OK	44.4 dB @ 247.50MHz	N/A	> 16.3 dB	28.1 dB
5,4-3,6	DH	OK	43.5 dB @ 230.00MHz	N/A	> 16.9 dB	26.6 dB
5,4-1,2	DH	OK	38.0 dB @ 248.50MHz	N/A	> 16.3 dB	21.7 dB
1,2-7,8	DH	OK	41.0 dB @ 206.00MHz	N/A	> 17.9 dB	23.1 dB
1,2-3,6	DH	OK	48.7 dB @ 123.00MHz	N/A	> 22.4 dB	26.3 dB
1,2-5,4	DH	OK	37.2 dB @ 249.00MHz	N/A	> 16.2 dB	21.0 dB
7,8-3,6	RH	OK	35.9 dB @ 219.00MHz	N/A	> 17.4 dB	18.5 dB
7,8-5,4	RH	OK	43.7 dB @ 232.50MHz	N/A	> 16.8 dB	26.9 dB
7,8-1,2	RH	OK	40.4 dB @ 247.50MHz	N/A	> 16.3 dB	24.1 dB
3,6-7,8	RH	OK	35.6 dB @ 163.50MHz	N/A	> 19.9 dB	15.7 dB
3,6-5,4	RH	OK	45.1 dB @ 250.00MHz	N/A	> 16.2 dB	28.9 dB
3,6-1,2	RH	OK	47.7 dB @ 172.00MHz	N/A	> 19.4 dB	28.3 dB
5,4-7,8	RH	OK	43.7 dB @ 249.00MHz	N/A	> 16.2 dB	27.5 dB
5,4-3,6	RH	OK	43.9 dB @ 230.00MHz	N/A	> 16.9 dB	27.0 dB
5,4-1,2	RH	OK	37.4 dB @ 249.00MHz	N/A	> 16.2 dB	21.2 dB
1,2-7,8	RH	OK	41.1 dB @ 205.50MHz	N/A	> 17.9 dB	23.2 dB
1,2-3,6	RH	OK	48.8 dB @ 123.00MHz	N/A	> 22.4 dB	26.4 dB
1,2-5,4	RH	OK	37.5 dB @ 248.50MHz	N/A	> 16.3 dB	21.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.2 dB @ 233.50MHz	N/A	> 32.8 dB	7.4 dB
3,6	DH	OK	38.9 dB @ 232.50MHz	N/A	> 32.8 dB	6.1 dB
5,4	DH	OK	44.8 dB @ 246.00MHz	N/A	> 32.4 dB	12.4 dB
1,2	DH	OK	42.7 dB @ 248.00MHz	N/A	> 32.4 dB	10.3 dB
7,8	RH	OK	43.0 dB @ 225.00MHz	N/A	> 33.1 dB	9.9 dB
3,6	RH	OK	42.2 dB @ 224.50MHz	N/A	> 33.1 dB	9.1 dB
5,4	RH	OK	42.5 dB @ 237.50MHz	N/A	> 32.7 dB	9.8 dB
1,2	RH	OK	44.9 dB @ 219.00MHz	N/A	> 33.3 dB	11.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.2 dB @ 232.50MHz	N/A	>= 2.9 dB	32.3 dB
3,6	DH	OK	33.4 dB @ 232.50MHz	N/A	>= 2.9 dB	30.5 dB
5,4	DH	OK	39.8 dB @ 246.00MHz	N/A	>= 1.5 dB	38.3 dB
1,2	DH	OK	37.8 dB @ 248.50MHz	N/A	>= 1.4 dB	36.4 dB
7,8	RH	OK	37.9 dB @ 224.50MHz	N/A	>= 3.8 dB	34.1 dB
3,6	RH	OK	36.8 dB @ 224.50MHz	N/A	>= 3.8 dB	33.0 dB
5,4	RH	OK	37.3 dB @ 237.50MHz	N/A	>= 2.5 dB	34.8 dB
1,2	RH	OK	39.6 dB @ 219.00MHz	N/A	>= 4.4 dB	35.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.8 dB @ 164.00MHz	N/A	>= 16.9 dB	17.9 dB
3,6	DH	OK	35.5 dB @ 219.50MHz	N/A	>= 14.3 dB	21.2 dB
5,4	DH	OK	35.7 dB @ 249.00MHz	N/A	>= 13.2 dB	22.5 dB
1,2	DH	OK	35.9 dB @ 249.50MHz	N/A	>= 13.2 dB	22.7 dB
7,8	RH	OK	34.3 dB @ 219.00MHz	N/A	>= 14.4 dB	19.9 dB
3,6	RH	OK	35.3 dB @ 163.50MHz	N/A	>= 16.9 dB	18.4 dB
5,4	RH	OK	35.9 dB @ 249.00MHz	N/A	>= 13.2 dB	22.7 dB
1,2	RH	OK	35.9 dB @ 248.50MHz	N/A	>= 13.3 dB	22.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0003  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:40:58  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	17.5m	17.9m	18.4m	17.7m	< 90.0m	OK
Ritardo di propag.	95.9ns	98.2ns	100.3ns	96.8ns	< 510.0ns	OK
Diff. t. ritardo	4.4ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	101.0 Ohm	100.6 Ohm	97.0 Ohm	102.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	5.1 Ohm	5.6 Ohm	6.1 Ohm	5.0 Ohm	< 20.0 Ohm	OK
Capacità	46.7pF/m	47.1pF/m	48.7pF/m	46.0pF/m	< 66.0pF/m	OK
Riserva	6.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.4 dB @ 240.00MHz	N/A	> 35.6 dB	4.8 dB
7,8-5,4	DH	OK	48.8 dB @ 230.00MHz	N/A	> 35.9 dB	12.9 dB
7,8-1,2	DH	OK	52.5 dB @ 206.50MHz	N/A	> 36.7 dB	15.8 dB
3,6-5,4	DH	OK	49.4 dB @ 232.50MHz	N/A	> 35.8 dB	13.6 dB
3,6-1,2	DH	OK	47.4 dB @ 241.00MHz	N/A	> 35.6 dB	11.8 dB
5,4-1,2	DH	OK	47.0 dB @ 235.50MHz	N/A	> 35.7 dB	11.3 dB
7,8-3,6	RH	OK	45.1 dB @ 200.50MHz	N/A	> 36.9 dB	8.2 dB
7,8-5,4	RH	OK	44.6 dB @ 218.00MHz	N/A	> 36.3 dB	8.3 dB
7,8-1,2	RH	OK	49.1 dB @ 205.00MHz	N/A	> 36.7 dB	12.4 dB
3,6-5,4	RH	OK	46.1 dB @ 231.50MHz	N/A	> 35.9 dB	10.2 dB
3,6-1,2	RH	OK	49.3 dB @ 228.50MHz	N/A	> 36.0 dB	13.3 dB
5,4-1,2	RH	OK	49.1 dB @ 211.50MHz	N/A	> 36.5 dB	12.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.7 dB @ 224.00MHz	N/A	> 10.5 dB	4.2 dB
3,6	DH	OK	14.4 dB @ 219.00MHz	N/A	> 10.6 dB	3.8 dB
5,4	DH	OK	14.5 dB @ 236.00MHz	N/A	> 10.3 dB	4.2 dB
1,2	DH	OK	15.1 dB @ 220.00MHz	N/A	> 10.6 dB	4.5 dB
7,8	RH	OK	14.3 dB @ 224.00MHz	N/A	> 10.5 dB	3.8 dB
3,6	RH	OK	14.3 dB @ 219.00MHz	N/A	> 10.6 dB	3.7 dB
5,4	RH	OK	14.6 dB @ 235.50MHz	N/A	> 10.3 dB	4.3 dB
1,2	RH	OK	14.1 dB @ 225.50MHz	N/A	> 10.5 dB	3.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	7.0 dB @ 227.00MHz	N/A	< 29.5 dB	22.5 dB
3,6	OK	6.5 dB @ 247.00MHz	N/A	< 30.9 dB	24.4 dB
5,4	OK	7.0 dB @ 237.00MHz	N/A	< 30.2 dB	23.2 dB
1,2	OK	6.1 dB @ 239.50MHz	N/A	< 30.4 dB	24.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	34.3 dB @ 240.00MHz	N/A	>= 5.2 dB	29.1 dB
3,6	DH	OK	34.5 dB @ 240.00MHz	N/A	>= 5.2 dB	29.3 dB
5,4	DH	OK	40.5 dB @ 235.50MHz	N/A	>= 5.6 dB	34.9 dB
1,2	DH	OK	41.4 dB @ 241.00MHz	N/A	>= 5.1 dB	36.3 dB
7,8	RH	OK	38.7 dB @ 250.00MHz	N/A	>= 4.1 dB	34.6 dB
3,6	RH	OK	39.5 dB @ 200.50MHz	N/A	>= 9.5 dB	30.0 dB
5,4	RH	OK	38.7 dB @ 217.50MHz	N/A	>= 7.6 dB	31.1 dB
1,2	RH	OK	43.6 dB @ 228.00MHz	N/A	>= 6.5 dB	37.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0003  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:40:58  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	40.8 dB @ 222.00MHz	N/A	> 17.2 dB	23.6 dB
7,8-5,4	DH	OK	43.3 dB @ 248.00MHz	N/A	> 16.3 dB	27.0 dB
7,8-1,2	DH	OK	46.0 dB @ 229.00MHz	N/A	> 17.0 dB	29.0 dB
3,6-7,8	DH	OK	41.1 dB @ 157.50MHz	N/A	> 20.2 dB	20.9 dB
3,6-5,4	DH	OK	37.9 dB @ 222.00MHz	N/A	> 17.2 dB	20.7 dB
3,6-1,2	DH	OK	47.8 dB @ 225.50MHz	N/A	> 17.1 dB	30.7 dB
5,4-7,8	DH	OK	42.9 dB @ 247.00MHz	N/A	> 16.3 dB	26.6 dB
5,4-3,6	DH	OK	37.4 dB @ 230.00MHz	N/A	> 16.9 dB	20.5 dB
5,4-1,2	DH	OK	36.8 dB @ 222.00MHz	N/A	> 17.2 dB	19.6 dB
1,2-7,8	DH	OK	45.8 dB @ 206.00MHz	N/A	> 17.9 dB	27.9 dB
1,2-3,6	DH	OK	48.2 dB @ 248.50MHz	N/A	> 16.3 dB	31.9 dB
1,2-5,4	DH	OK	36.5 dB @ 237.00MHz	N/A	> 16.7 dB	19.8 dB
7,8-3,6	RH	OK	40.8 dB @ 227.00MHz	N/A	> 17.0 dB	23.8 dB
7,8-5,4	RH	OK	43.7 dB @ 248.00MHz	N/A	> 16.3 dB	27.4 dB
7,8-1,2	RH	OK	45.3 dB @ 227.00MHz	N/A	> 17.0 dB	28.3 dB
3,6-7,8	RH	OK	40.9 dB @ 157.50MHz	N/A	> 20.2 dB	20.7 dB
3,6-5,4	RH	OK	37.7 dB @ 228.00MHz	N/A	> 17.0 dB	20.7 dB
3,6-1,2	RH	OK	47.4 dB @ 226.00MHz	N/A	> 17.1 dB	30.3 dB
5,4-7,8	RH	OK	42.6 dB @ 246.00MHz	N/A	> 16.3 dB	26.3 dB
5,4-3,6	RH	OK	37.0 dB @ 230.50MHz	N/A	> 16.9 dB	20.1 dB
5,4-1,2	RH	OK	36.3 dB @ 226.00MHz	N/A	> 17.1 dB	19.2 dB
1,2-7,8	RH	OK	45.8 dB @ 206.00MHz	N/A	> 17.9 dB	27.9 dB
1,2-3,6	RH	OK	48.7 dB @ 248.50MHz	N/A	> 16.3 dB	32.4 dB
1,2-5,4	RH	OK	37.1 dB @ 239.50MHz	N/A	> 16.6 dB	20.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.1 dB @ 240.00MHz	N/A	> 32.6 dB	7.5 dB
3,6	DH	OK	39.4 dB @ 240.00MHz	N/A	> 32.6 dB	6.8 dB
5,4	DH	OK	45.2 dB @ 250.00MHz	N/A	> 32.3 dB	12.9 dB
1,2	DH	OK	44.9 dB @ 235.50MHz	N/A	> 32.7 dB	12.2 dB
7,8	RH	OK	42.3 dB @ 200.00MHz	N/A	> 33.9 dB	8.4 dB
3,6	RH	OK	43.2 dB @ 226.50MHz	N/A	> 33.0 dB	10.2 dB
5,4	RH	OK	43.2 dB @ 231.50MHz	N/A	> 32.9 dB	10.3 dB
1,2	RH	OK	45.2 dB @ 205.50MHz	N/A	> 33.7 dB	11.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.0 dB @ 240.00MHz	N/A	>= 2.2 dB	31.8 dB
3,6	DH	OK	33.5 dB @ 240.00MHz	N/A	>= 2.2 dB	31.3 dB
5,4	DH	OK	39.1 dB @ 250.00MHz	N/A	>= 1.1 dB	38.0 dB
1,2	DH	OK	39.3 dB @ 236.00MHz	N/A	>= 2.6 dB	36.7 dB
7,8	RH	OK	36.6 dB @ 245.50MHz	N/A	>= 1.6 dB	35.0 dB
3,6	RH	OK	36.9 dB @ 226.00MHz	N/A	>= 3.6 dB	33.3 dB
5,4	RH	OK	36.9 dB @ 231.50MHz	N/A	>= 3.1 dB	33.8 dB
1,2	RH	OK	39.8 dB @ 206.00MHz	N/A	>= 5.8 dB	34.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.3 dB @ 157.50MHz	N/A	>= 17.2 dB	23.1 dB
3,6	DH	OK	36.2 dB @ 225.50MHz	N/A	>= 14.1 dB	22.1 dB
5,4	DH	OK	34.0 dB @ 222.50MHz	N/A	>= 14.2 dB	19.8 dB
1,2	DH	OK	36.1 dB @ 222.00MHz	N/A	>= 14.2 dB	21.9 dB
7,8	RH	OK	38.3 dB @ 227.00MHz	N/A	>= 14.0 dB	24.3 dB
3,6	RH	OK	36.6 dB @ 157.50MHz	N/A	>= 17.2 dB	19.4 dB
5,4	RH	OK	33.5 dB @ 230.50MHz	N/A	>= 13.9 dB	19.6 dB
1,2	RH	OK	36.7 dB @ 239.50MHz	N/A	>= 13.6 dB	23.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

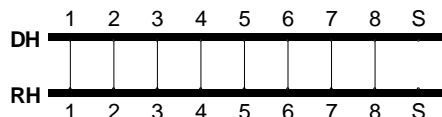
ID cavo 1: 0004  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:42:38  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	18.1m	18.6m	19.1m	18.3m	< 90.0m	OK
Ritardo di propag.	98.8ns	101.0ns	103.4ns	99.6ns	< 510.0ns	OK
Diff. t. ritardo	4.6ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.1 Ohm	99.3 Ohm	98.1 Ohm	100.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	5.4 Ohm	5.4 Ohm	6.9 Ohm	5.0 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.5pF/m	48.1pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	1.2 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.4 dB @ 240.50MHz	N/A	> 35.6 dB	4.8 dB
7,8-5,4	DH	OK	49.2 dB @ 192.50MHz	N/A	> 37.2 dB	12.0 dB
7,8-1,2	DH	OK	54.1 dB @ 213.00MHz	N/A	> 36.5 dB	17.6 dB
3,6-5,4	DH	OK	48.9 dB @ 237.50MHz	N/A	> 35.7 dB	13.2 dB
3,6-1,2	DH	OK	45.7 dB @ 241.50MHz	N/A	> 35.6 dB	10.1 dB
5,4-1,2	DH	OK	49.4 dB @ 207.00MHz	N/A	> 36.7 dB	12.7 dB
7,8-3,6	RH	OK	45.5 dB @ 232.50MHz	N/A	> 35.8 dB	9.7 dB
7,8-5,4	RH	OK	46.2 dB @ 229.00MHz	N/A	> 35.9 dB	10.3 dB
7,8-1,2	RH	OK	50.0 dB @ 211.50MHz	N/A	> 36.5 dB	13.5 dB
3,6-5,4	RH	OK	47.5 dB @ 226.00MHz	N/A	> 36.0 dB	11.5 dB
3,6-1,2	RH	OK	46.7 dB @ 200.00MHz	N/A	> 36.9 dB	9.8 dB
5,4-1,2	RH	OK	50.4 dB @ 222.50MHz	N/A	> 36.1 dB	14.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	13.8 dB @ 222.50MHz	N/A	> 10.5 dB	3.3 dB
3,6	DH	OK	14.2 dB @ 229.00MHz	N/A	> 10.4 dB	3.8 dB
5,4	DH	OK	15.6 dB @ 230.00MHz	N/A	> 10.4 dB	5.2 dB
1,2	DH	OK	16.3 dB @ 231.00MHz	N/A	> 10.4 dB	5.9 dB
7,8	RH	OK	14.4 dB @ 223.00MHz	N/A	> 10.5 dB	3.9 dB
3,6	RH	OK	14.4 dB @ 229.00MHz	N/A	> 10.4 dB	4.0 dB
5,4	RH	OK	16.1 dB @ 230.00MHz	N/A	> 10.4 dB	5.7 dB
1,2	RH	OK	16.0 dB @ 230.50MHz	N/A	> 10.4 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	6.8 dB @ 235.00MHz	N/A	< 30.0 dB	23.2 dB
3,6	OK	7.2 dB @ 229.00MHz	N/A	< 29.6 dB	22.4 dB
5,4	OK	7.3 dB @ 246.00MHz	N/A	< 30.9 dB	23.6 dB
1,2	OK	6.8 dB @ 230.00MHz	N/A	< 29.7 dB	22.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	34.0 dB @ 240.00MHz	N/A	>= 5.2 dB	28.8 dB
3,6	DH	OK	33.3 dB @ 240.50MHz	N/A	>= 5.2 dB	28.1 dB
5,4	DH	OK	42.2 dB @ 237.50MHz	N/A	>= 5.5 dB	36.7 dB
1,2	DH	OK	39.5 dB @ 241.00MHz	N/A	>= 5.1 dB	34.4 dB
7,8	RH	OK	38.8 dB @ 232.50MHz	N/A	>= 5.9 dB	32.9 dB
3,6	RH	OK	39.0 dB @ 232.00MHz	N/A	>= 6.0 dB	33.0 dB
5,4	RH	OK	39.7 dB @ 229.00MHz	N/A	>= 6.3 dB	33.4 dB
1,2	RH	OK	40.7 dB @ 230.00MHz	N/A	>= 6.2 dB	34.5 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0004  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:42:38  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	40.3 dB @ 138.50MHz	N/A	> 21.3 dB	19.0 dB
7,8-5,4	DH	OK	40.1 dB @ 222.00MHz	N/A	> 17.2 dB	22.9 dB
7,8-1,2	DH	OK	53.3 dB @ 249.00MHz	N/A	> 16.2 dB	37.1 dB
3,6-7,8	DH	OK	40.7 dB @ 165.00MHz	N/A	> 19.8 dB	20.9 dB
3,6-5,4	DH	OK	39.5 dB @ 129.50MHz	N/A	> 21.9 dB	17.6 dB
3,6-1,2	DH	OK	41.8 dB @ 220.00MHz	N/A	> 17.3 dB	24.5 dB
5,4-7,8	DH	OK	41.3 dB @ 247.50MHz	N/A	> 16.3 dB	25.0 dB
5,4-3,6	DH	OK	39.2 dB @ 172.50MHz	N/A	> 19.4 dB	19.8 dB
5,4-1,2	DH	OK	38.6 dB @ 226.50MHz	N/A	> 17.1 dB	21.5 dB
1,2-7,8	DH	OK	48.8 dB @ 214.00MHz	N/A	> 17.6 dB	31.2 dB
1,2-3,6	DH	OK	42.3 dB @ 249.50MHz	N/A	> 16.2 dB	26.1 dB
1,2-5,4	DH	OK	37.9 dB @ 233.00MHz	N/A	> 16.8 dB	21.1 dB
7,8-3,6	RH	OK	40.4 dB @ 144.50MHz	N/A	> 21.0 dB	19.4 dB
7,8-5,4	RH	OK	40.2 dB @ 222.00MHz	N/A	> 17.2 dB	23.0 dB
7,8-1,2	RH	OK	53.2 dB @ 248.50MHz	N/A	> 16.3 dB	36.9 dB
3,6-7,8	RH	OK	40.5 dB @ 159.00MHz	N/A	> 20.1 dB	20.4 dB
3,6-5,4	RH	OK	39.5 dB @ 129.50MHz	N/A	> 21.9 dB	17.6 dB
3,6-1,2	RH	OK	41.2 dB @ 218.50MHz	N/A	> 17.4 dB	23.8 dB
5,4-7,8	RH	OK	40.9 dB @ 250.00MHz	N/A	> 16.2 dB	24.7 dB
5,4-3,6	RH	OK	39.0 dB @ 172.50MHz	N/A	> 19.4 dB	19.6 dB
5,4-1,2	RH	OK	38.3 dB @ 221.50MHz	N/A	> 17.3 dB	21.0 dB
1,2-7,8	RH	OK	48.7 dB @ 213.50MHz	N/A	> 17.6 dB	31.1 dB
1,2-3,6	RH	OK	42.6 dB @ 250.00MHz	N/A	> 16.2 dB	26.4 dB
1,2-5,4	RH	OK	38.5 dB @ 234.00MHz	N/A	> 16.8 dB	21.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.1 dB @ 240.50MHz	N/A	> 32.6 dB	7.5 dB
3,6	DH	OK	39.3 dB @ 240.50MHz	N/A	> 32.6 dB	6.7 dB
5,4	DH	OK	46.0 dB @ 250.00MHz	N/A	> 32.3 dB	13.7 dB
1,2	DH	OK	44.4 dB @ 241.50MHz	N/A	> 32.6 dB	11.8 dB
7,8	RH	OK	43.0 dB @ 233.00MHz	N/A	> 32.8 dB	10.2 dB
3,6	RH	OK	42.2 dB @ 232.00MHz	N/A	> 32.8 dB	9.4 dB
5,4	RH	OK	44.3 dB @ 250.00MHz	N/A	> 32.3 dB	12.0 dB
1,2	RH	OK	45.2 dB @ 200.00MHz	N/A	> 33.9 dB	11.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.7 dB @ 240.00MHz	N/A	>= 2.2 dB	31.5 dB
3,6	DH	OK	32.2 dB @ 240.50MHz	N/A	>= 2.2 dB	30.0 dB
5,4	DH	OK	39.4 dB @ 250.00MHz	N/A	>= 1.1 dB	38.3 dB
1,2	DH	OK	38.1 dB @ 241.00MHz	N/A	>= 2.1 dB	36.0 dB
7,8	RH	OK	36.3 dB @ 232.50MHz	N/A	>= 2.9 dB	33.4 dB
3,6	RH	OK	35.7 dB @ 231.50MHz	N/A	>= 3.1 dB	32.6 dB
5,4	RH	OK	37.7 dB @ 250.00MHz	N/A	>= 1.1 dB	36.6 dB
1,2	RH	OK	39.2 dB @ 230.00MHz	N/A	>= 3.2 dB	36.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.2 dB @ 210.50MHz	N/A	>= 14.7 dB	24.5 dB
3,6	DH	OK	36.8 dB @ 169.00MHz	N/A	>= 16.6 dB	20.2 dB
5,4	DH	OK	34.5 dB @ 222.00MHz	N/A	>= 14.2 dB	20.3 dB
1,2	DH	OK	37.1 dB @ 231.50MHz	N/A	>= 13.9 dB	23.2 dB
7,8	RH	OK	38.8 dB @ 223.00MHz	N/A	>= 14.2 dB	24.6 dB
3,6	RH	OK	37.1 dB @ 152.50MHz	N/A	>= 17.5 dB	19.6 dB
5,4	RH	OK	35.6 dB @ 223.00MHz	N/A	>= 14.2 dB	21.4 dB
1,2	RH	OK	37.0 dB @ 231.50MHz	N/A	>= 13.9 dB	23.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

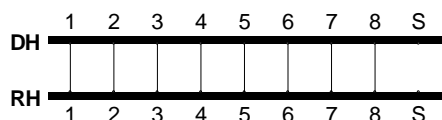
ID cavo 1: 0005  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:45:02  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	18.0m	18.5m	19.0m	18.2m	< 90.0m	OK
Ritardo di propag.	98.3ns	100.6ns	103.0ns	99.3ns	< 510.0ns	OK
Diff. t. ritardo	4.7ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.3 Ohm	100.0 Ohm	98.7 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	5.4 Ohm	5.8 Ohm	7.3 Ohm	5.2 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.2pF/m	47.9pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	1.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.3 dB @ 242.00MHz	N/A	> 35.5 dB	4.8 dB
7,8-5,4	DH	OK	50.9 dB @ 242.50MHz	N/A	> 35.5 dB	15.4 dB
7,8-1,2	DH	OK	54.2 dB @ 219.50MHz	N/A	> 36.2 dB	18.0 dB
3,6-5,4	DH	OK	48.5 dB @ 227.00MHz	N/A	> 36.0 dB	12.5 dB
3,6-1,2	DH	OK	47.1 dB @ 243.50MHz	N/A	> 35.5 dB	11.6 dB
5,4-1,2	DH	OK	48.2 dB @ 246.50MHz	N/A	> 35.4 dB	12.8 dB
7,8-3,6	RH	OK	44.8 dB @ 228.50MHz	N/A	> 36.0 dB	8.8 dB
7,8-5,4	RH	OK	45.6 dB @ 242.50MHz	N/A	> 35.5 dB	10.1 dB
7,8-1,2	RH	OK	51.2 dB @ 218.50MHz	N/A	> 36.3 dB	14.9 dB
3,6-5,4	RH	OK	47.9 dB @ 226.50MHz	N/A	> 36.0 dB	11.9 dB
3,6-1,2	RH	OK	50.1 dB @ 229.00MHz	N/A	> 35.9 dB	14.2 dB
5,4-1,2	RH	OK	49.0 dB @ 250.00MHz	N/A	> 35.3 dB	13.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.3 dB @ 224.50MHz	N/A	> 10.5 dB	3.8 dB
3,6	DH	OK	14.5 dB @ 230.50MHz	N/A	> 10.4 dB	4.1 dB
5,4	DH	OK	15.6 dB @ 231.00MHz	N/A	> 10.4 dB	5.2 dB
1,2	DH	OK	15.6 dB @ 232.00MHz	N/A	> 10.3 dB	5.3 dB
7,8	RH	OK	15.3 dB @ 225.00MHz	N/A	> 10.5 dB	4.8 dB
3,6	RH	OK	14.2 dB @ 230.00MHz	N/A	> 10.4 dB	3.8 dB
5,4	RH	OK	16.4 dB @ 231.00MHz	N/A	> 10.4 dB	6.0 dB
1,2	RH	OK	15.0 dB @ 221.00MHz	N/A	> 10.5 dB	4.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	7.7 dB @ 239.00MHz	N/A	< 30.3 dB	22.6 dB
3,6	OK	7.8 dB @ 229.00MHz	N/A	< 29.6 dB	21.8 dB
5,4	OK	7.3 dB @ 248.00MHz	N/A	< 31.0 dB	23.7 dB
1,2	OK	7.1 dB @ 249.00MHz	N/A	< 31.1 dB	24.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	34.0 dB @ 241.50MHz	N/A	>= 5.1 dB	28.9 dB
3,6	DH	OK	33.2 dB @ 241.50MHz	N/A	>= 5.1 dB	28.1 dB
5,4	DH	OK	41.1 dB @ 246.50MHz	N/A	>= 4.5 dB	36.6 dB
1,2	DH	OK	40.3 dB @ 243.00MHz	N/A	>= 4.9 dB	35.4 dB
7,8	RH	OK	38.1 dB @ 229.00MHz	N/A	>= 6.3 dB	31.8 dB
3,6	RH	OK	37.1 dB @ 229.00MHz	N/A	>= 6.3 dB	30.8 dB
5,4	RH	OK	38.6 dB @ 242.50MHz	N/A	>= 4.9 dB	33.7 dB
1,2	RH	OK	42.4 dB @ 250.00MHz	N/A	>= 4.1 dB	38.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0005  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:45:02  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	41.5 dB @ 146.50MHz	N/A	> 20.8 dB	20.7 dB
7,8-5,4	DH	OK	41.0 dB @ 224.00MHz	N/A	> 17.2 dB	23.8 dB
7,8-1,2	DH	OK	44.4 dB @ 237.00MHz	N/A	> 16.7 dB	27.7 dB
3,6-7,8	DH	OK	41.3 dB @ 159.50MHz	N/A	> 20.1 dB	21.2 dB
3,6-5,4	DH	OK	38.2 dB @ 224.50MHz	N/A	> 17.1 dB	21.1 dB
3,6-1,2	DH	OK	44.7 dB @ 249.50MHz	N/A	> 16.2 dB	28.5 dB
5,4-7,8	DH	OK	42.1 dB @ 219.00MHz	N/A	> 17.4 dB	24.7 dB
5,4-3,6	DH	OK	38.5 dB @ 179.50MHz	N/A	> 19.1 dB	19.4 dB
5,4-1,2	DH	OK	37.1 dB @ 225.50MHz	N/A	> 17.1 dB	20.0 dB
1,2-7,8	DH	OK	44.7 dB @ 208.50MHz	N/A	> 17.8 dB	26.9 dB
1,2-3,6	DH	OK	43.1 dB @ 229.00MHz	N/A	> 17.0 dB	26.1 dB
1,2-5,4	DH	OK	36.5 dB @ 234.50MHz	N/A	> 16.8 dB	19.7 dB
7,8-3,6	RH	OK	41.7 dB @ 146.50MHz	N/A	> 20.8 dB	20.9 dB
7,8-5,4	RH	OK	41.4 dB @ 224.50MHz	N/A	> 17.1 dB	24.3 dB
7,8-1,2	RH	OK	43.8 dB @ 229.00MHz	N/A	> 17.0 dB	26.8 dB
3,6-7,8	RH	OK	41.1 dB @ 159.50MHz	N/A	> 20.1 dB	21.0 dB
3,6-5,4	RH	OK	38.2 dB @ 224.50MHz	N/A	> 17.1 dB	21.1 dB
3,6-1,2	RH	OK	44.3 dB @ 249.50MHz	N/A	> 16.2 dB	28.1 dB
5,4-7,8	RH	OK	42.1 dB @ 219.00MHz	N/A	> 17.4 dB	24.7 dB
5,4-3,6	RH	OK	38.4 dB @ 179.50MHz	N/A	> 19.1 dB	19.3 dB
5,4-1,2	RH	OK	36.2 dB @ 224.00MHz	N/A	> 17.2 dB	19.0 dB
1,2-7,8	RH	OK	44.9 dB @ 208.50MHz	N/A	> 17.8 dB	27.1 dB
1,2-3,6	RH	OK	43.0 dB @ 222.00MHz	N/A	> 17.2 dB	25.8 dB
1,2-5,4	RH	OK	36.9 dB @ 229.50MHz	N/A	> 16.9 dB	20.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.9 dB @ 242.00MHz	N/A	> 32.5 dB	7.4 dB
3,6	DH	OK	39.4 dB @ 242.00MHz	N/A	> 32.5 dB	6.9 dB
5,4	DH	OK	45.6 dB @ 246.50MHz	N/A	> 32.4 dB	13.2 dB
1,2	DH	OK	45.0 dB @ 246.50MHz	N/A	> 32.4 dB	12.6 dB
7,8	RH	OK	42.3 dB @ 229.50MHz	N/A	> 32.9 dB	9.4 dB
3,6	RH	OK	43.1 dB @ 228.50MHz	N/A	> 33.0 dB	10.1 dB
5,4	RH	OK	44.0 dB @ 243.50MHz	N/A	> 32.5 dB	11.5 dB
1,2	RH	OK	46.2 dB @ 250.00MHz	N/A	> 32.3 dB	13.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.6 dB @ 241.50MHz	N/A	>= 2.1 dB	31.5 dB
3,6	DH	OK	32.3 dB @ 242.00MHz	N/A	>= 1.9 dB	30.4 dB
5,4	DH	OK	38.5 dB @ 246.50MHz	N/A	>= 1.5 dB	37.0 dB
1,2	DH	OK	38.4 dB @ 243.00MHz	N/A	>= 1.9 dB	36.5 dB
7,8	RH	OK	35.6 dB @ 229.00MHz	N/A	>= 3.3 dB	32.3 dB
3,6	RH	OK	35.6 dB @ 229.00MHz	N/A	>= 3.3 dB	32.3 dB
5,4	RH	OK	37.1 dB @ 242.50MHz	N/A	>= 1.9 dB	35.2 dB
1,2	RH	OK	39.6 dB @ 250.00MHz	N/A	>= 1.1 dB	38.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.2 dB @ 239.00MHz	N/A	>= 13.6 dB	25.6 dB
3,6	DH	OK	37.4 dB @ 178.50MHz	N/A	>= 16.1 dB	21.3 dB
5,4	DH	OK	33.7 dB @ 224.50MHz	N/A	>= 14.1 dB	19.6 dB
1,2	DH	OK	36.0 dB @ 225.50MHz	N/A	>= 14.1 dB	21.9 dB
7,8	RH	OK	38.9 dB @ 224.50MHz	N/A	>= 14.1 dB	24.8 dB
3,6	RH	OK	36.9 dB @ 224.50MHz	N/A	>= 14.1 dB	22.8 dB
5,4	RH	OK	34.3 dB @ 224.00MHz	N/A	>= 14.2 dB	20.1 dB
1,2	RH	OK	35.8 dB @ 229.50MHz	N/A	>= 13.9 dB	21.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

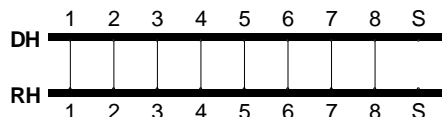
ID cavo 1: 0006  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:46:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	17.9m	18.4m	18.9m	18.1m	< 90.0m	OK
Ritardo di propag.	98.1ns	100.2ns	102.7ns	99.0ns	< 510.0ns	OK
Diff. t. ritardo	4.6ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	98.9 Ohm	98.7 Ohm	97.9 Ohm	100.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	5.0 Ohm	5.2 Ohm	6.7 Ohm	4.7 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	47.8pF/m	48.3pF/m	47.3pF/m	< 66.0pF/m	OK
Riserva	2.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.9 dB @ 237.00MHz	N/A	> 35.7 dB	6.2 dB
7,8-5,4	DH	OK	48.4 dB @ 231.00MHz	N/A	> 35.9 dB	12.5 dB
7,8-1,2	DH	OK	53.7 dB @ 209.50MHz	N/A	> 36.6 dB	17.1 dB
3,6-5,4	DH	OK	49.1 dB @ 233.50MHz	N/A	> 35.8 dB	13.3 dB
3,6-1,2	DH	OK	45.2 dB @ 247.00MHz	N/A	> 35.4 dB	9.8 dB
5,4-1,2	DH	OK	47.7 dB @ 250.00MHz	N/A	> 35.3 dB	12.4 dB
7,8-3,6	RH	OK	46.8 dB @ 172.50MHz	N/A	> 38.0 dB	8.8 dB
7,8-5,4	RH	OK	45.1 dB @ 231.00MHz	N/A	> 35.9 dB	9.2 dB
7,8-1,2	RH	OK	51.9 dB @ 195.50MHz	N/A	> 37.1 dB	14.8 dB
3,6-5,4	RH	OK	46.5 dB @ 232.50MHz	N/A	> 35.8 dB	10.7 dB
3,6-1,2	RH	OK	47.4 dB @ 226.50MHz	N/A	> 36.0 dB	11.4 dB
5,4-1,2	RH	OK	50.5 dB @ 213.50MHz	N/A	> 36.4 dB	14.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.7 dB @ 225.50MHz	N/A	> 10.5 dB	4.2 dB
3,6	DH	OK	14.3 dB @ 226.50MHz	N/A	> 10.4 dB	3.9 dB
5,4	DH	OK	15.8 dB @ 232.00MHz	N/A	> 10.3 dB	5.5 dB
1,2	DH	OK	15.7 dB @ 222.00MHz	N/A	> 10.5 dB	5.2 dB
7,8	RH	OK	13.9 dB @ 224.50MHz	N/A	> 10.5 dB	3.4 dB
3,6	RH	OK	14.8 dB @ 226.00MHz	N/A	> 10.4 dB	4.4 dB
5,4	RH	OK	16.0 dB @ 231.50MHz	N/A	> 10.3 dB	5.7 dB
1,2	RH	OK	15.2 dB @ 221.50MHz	N/A	> 10.5 dB	4.7 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	6.8 dB @ 242.00MHz	N/A	< 30.6 dB	23.8 dB
3,6	OK	7.3 dB @ 230.00MHz	N/A	< 29.7 dB	22.4 dB
5,4	OK	7.6 dB @ 233.00MHz	N/A	< 29.9 dB	22.3 dB
1,2	OK	7.0 dB @ 246.50MHz	N/A	< 30.9 dB	23.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	35.5 dB @ 237.50MHz	N/A	>= 5.5 dB	30.0 dB
3,6	DH	OK	35.1 dB @ 237.00MHz	N/A	>= 5.5 dB	29.6 dB
5,4	DH	OK	41.0 dB @ 249.50MHz	N/A	>= 4.2 dB	36.8 dB
1,2	DH	OK	38.3 dB @ 246.50MHz	N/A	>= 4.5 dB	33.8 dB
7,8	RH	OK	38.4 dB @ 231.00MHz	N/A	>= 6.1 dB	32.3 dB
3,6	RH	OK	40.0 dB @ 232.50MHz	N/A	>= 5.9 dB	34.1 dB
5,4	RH	OK	38.3 dB @ 233.00MHz	N/A	>= 5.9 dB	32.4 dB
1,2	RH	OK	41.2 dB @ 220.00MHz	N/A	>= 7.3 dB	33.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0006  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:46:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.1 dB @ 224.50MHz	N/A	> 17.1 dB	18.0 dB
7,8-5,4	DH	OK	44.3 dB @ 223.50MHz	N/A	> 17.2 dB	27.1 dB
7,8-1,2	DH	OK	41.0 dB @ 246.50MHz	N/A	> 16.3 dB	24.7 dB
3,6-7,8	DH	OK	35.5 dB @ 167.50MHz	N/A	> 19.7 dB	15.8 dB
3,6-5,4	DH	OK	37.6 dB @ 145.00MHz	N/A	> 20.9 dB	16.7 dB
3,6-1,2	DH	OK	40.3 dB @ 246.50MHz	N/A	> 16.3 dB	24.0 dB
5,4-7,8	DH	OK	43.9 dB @ 225.00MHz	N/A	> 17.1 dB	26.8 dB
5,4-3,6	DH	OK	37.3 dB @ 169.50MHz	N/A	> 19.6 dB	17.7 dB
5,4-1,2	DH	OK	37.0 dB @ 220.50MHz	N/A	> 17.3 dB	19.7 dB
1,2-7,8	DH	OK	42.0 dB @ 215.50MHz	N/A	> 17.5 dB	24.5 dB
1,2-3,6	DH	OK	43.8 dB @ 250.00MHz	N/A	> 16.2 dB	27.6 dB
1,2-5,4	DH	OK	36.6 dB @ 233.00MHz	N/A	> 16.8 dB	19.8 dB
7,8-3,6	RH	OK	35.7 dB @ 231.00MHz	N/A	> 16.9 dB	18.8 dB
7,8-5,4	RH	OK	44.4 dB @ 223.50MHz	N/A	> 17.2 dB	27.2 dB
7,8-1,2	RH	OK	41.4 dB @ 247.00MHz	N/A	> 16.3 dB	25.1 dB
3,6-7,8	RH	OK	35.1 dB @ 166.50MHz	N/A	> 19.7 dB	15.4 dB
3,6-5,4	RH	OK	37.7 dB @ 145.00MHz	N/A	> 20.9 dB	16.8 dB
3,6-1,2	RH	OK	40.1 dB @ 247.50MHz	N/A	> 16.3 dB	23.8 dB
5,4-7,8	RH	OK	43.9 dB @ 225.00MHz	N/A	> 17.1 dB	26.8 dB
5,4-3,6	RH	OK	37.3 dB @ 145.00MHz	N/A	> 20.9 dB	16.4 dB
5,4-1,2	RH	OK	36.1 dB @ 233.00MHz	N/A	> 16.8 dB	19.3 dB
1,2-7,8	RH	OK	42.1 dB @ 202.50MHz	N/A	> 18.0 dB	24.1 dB
1,2-3,6	RH	OK	44.8 dB @ 250.00MHz	N/A	> 16.2 dB	28.6 dB
1,2-5,4	RH	OK	37.2 dB @ 229.50MHz	N/A	> 16.9 dB	20.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 237.00MHz	N/A	> 32.7 dB	8.7 dB
3,6	DH	OK	40.2 dB @ 247.50MHz	N/A	> 32.4 dB	7.8 dB
5,4	DH	OK	45.8 dB @ 231.00MHz	N/A	> 32.9 dB	12.9 dB
1,2	DH	OK	43.5 dB @ 247.00MHz	N/A	> 32.4 dB	11.1 dB
7,8	RH	OK	43.5 dB @ 246.00MHz	N/A	> 32.4 dB	11.1 dB
3,6	RH	OK	43.3 dB @ 227.50MHz	N/A	> 33.0 dB	10.3 dB
5,4	RH	OK	42.9 dB @ 232.00MHz	N/A	> 32.8 dB	10.1 dB
1,2	RH	OK	45.2 dB @ 208.00MHz	N/A	> 33.6 dB	11.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.0 dB @ 231.00MHz	N/A	>= 3.1 dB	31.9 dB
3,6	DH	OK	33.3 dB @ 247.00MHz	N/A	>= 1.5 dB	31.8 dB
5,4	DH	OK	38.8 dB @ 245.00MHz	N/A	>= 1.7 dB	37.1 dB
1,2	DH	OK	36.6 dB @ 246.50MHz	N/A	>= 1.5 dB	35.1 dB
7,8	RH	OK	36.8 dB @ 242.00MHz	N/A	>= 1.9 dB	34.9 dB
3,6	RH	OK	36.4 dB @ 245.00MHz	N/A	>= 1.7 dB	34.7 dB
5,4	RH	OK	35.6 dB @ 233.00MHz	N/A	>= 2.9 dB	32.7 dB
1,2	RH	OK	39.4 dB @ 207.50MHz	N/A	>= 5.6 dB	33.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.9 dB @ 213.50MHz	N/A	>= 14.6 dB	20.3 dB
3,6	DH	OK	33.3 dB @ 225.50MHz	N/A	>= 14.1 dB	19.2 dB
5,4	DH	OK	34.0 dB @ 229.50MHz	N/A	>= 13.9 dB	20.1 dB
1,2	DH	OK	34.5 dB @ 246.50MHz	N/A	>= 13.3 dB	21.2 dB
7,8	RH	OK	34.3 dB @ 223.50MHz	N/A	>= 14.2 dB	20.1 dB
3,6	RH	OK	33.3 dB @ 166.50MHz	N/A	>= 16.7 dB	16.6 dB
5,4	RH	OK	33.5 dB @ 233.00MHz	N/A	>= 13.8 dB	19.7 dB
1,2	RH	OK	35.9 dB @ 229.50MHz	N/A	>= 13.9 dB	22.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0007  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:47:50  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	23.0m	23.6m	24.2m	23.2m	< 90.0m	OK
Ritardo di propag.	121.7ns	124.5ns	127.2ns	122.4ns	< 510.0ns	OK
Diff. t. ritardo	5.5ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	101.5 Ohm	101.4 Ohm	97.7 Ohm	103.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	5.3 Ohm	6.3 Ohm	7.5 Ohm	5.7 Ohm	< 20.0 Ohm	OK
Capacità	46.6pF/m	46.7pF/m	48.4pF/m	45.7pF/m	< 66.0pF/m	OK
Riserva	5.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.7 dB @ 243.00MHz	N/A	> 35.5 dB	5.2 dB
7,8-5,4	DH	OK	51.3 dB @ 240.00MHz	N/A	> 35.6 dB	15.7 dB
7,8-1,2	DH	OK	53.8 dB @ 245.50MHz	N/A	> 35.4 dB	18.4 dB
3,6-5,4	DH	OK	51.2 dB @ 241.00MHz	N/A	> 35.6 dB	15.6 dB
3,6-1,2	DH	OK	43.8 dB @ 232.50MHz	N/A	> 35.8 dB	8.0 dB
5,4-1,2	DH	OK	46.9 dB @ 250.00MHz	N/A	> 35.3 dB	11.6 dB
7,8-3,6	RH	OK	46.9 dB @ 247.50MHz	N/A	> 35.4 dB	11.5 dB
7,8-5,4	RH	OK	44.9 dB @ 233.50MHz	N/A	> 35.8 dB	9.1 dB
7,8-1,2	RH	OK	50.4 dB @ 183.00MHz	N/A	> 37.5 dB	12.9 dB
3,6-5,4	RH	OK	49.1 dB @ 176.00MHz	N/A	> 37.8 dB	11.3 dB
3,6-1,2	RH	OK	46.5 dB @ 232.50MHz	N/A	> 35.8 dB	10.7 dB
5,4-1,2	RH	OK	48.6 dB @ 250.00MHz	N/A	> 35.3 dB	13.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.0 dB @ 227.50MHz	N/A	> 10.4 dB	4.6 dB
3,6	DH	OK	15.2 dB @ 230.50MHz	N/A	> 10.4 dB	4.8 dB
5,4	DH	OK	15.8 dB @ 234.50MHz	N/A	> 10.3 dB	5.5 dB
1,2	DH	OK	16.4 dB @ 225.00MHz	N/A	> 10.5 dB	5.9 dB
7,8	RH	OK	15.0 dB @ 214.00MHz	N/A	> 10.7 dB	4.3 dB
3,6	RH	OK	16.2 dB @ 222.50MHz	N/A	> 10.5 dB	5.7 dB
5,4	RH	OK	17.4 dB @ 226.50MHz	N/A	> 10.4 dB	7.0 dB
1,2	RH	OK	17.0 dB @ 225.00MHz	N/A	> 10.5 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	8.0 dB @ 233.00MHz	N/A	< 29.9 dB	21.9 dB
3,6	OK	8.0 dB @ 239.50MHz	N/A	< 30.4 dB	22.4 dB
5,4	OK	8.3 dB @ 242.50MHz	N/A	< 30.6 dB	22.3 dB
1,2	OK	7.2 dB @ 241.50MHz	N/A	< 30.5 dB	23.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	33.0 dB @ 233.00MHz	N/A	>= 5.9 dB	27.1 dB
3,6	DH	OK	32.9 dB @ 237.50MHz	N/A	>= 5.5 dB	27.4 dB
5,4	DH	OK	39.0 dB @ 250.00MHz	N/A	>= 4.1 dB	34.9 dB
1,2	DH	OK	36.7 dB @ 237.50MHz	N/A	>= 5.5 dB	31.2 dB
7,8	RH	OK	37.1 dB @ 233.00MHz	N/A	>= 5.9 dB	31.2 dB
3,6	RH	OK	39.0 dB @ 232.50MHz	N/A	>= 5.9 dB	33.1 dB
5,4	RH	OK	37.2 dB @ 233.00MHz	N/A	>= 5.9 dB	31.3 dB
1,2	RH	OK	39.7 dB @ 228.50MHz	N/A	>= 6.4 dB	33.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0007  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:47:50  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	40.8 dB @ 249.00MHz	N/A	> 16.2 dB	24.6 dB
7,8-5,4	DH	OK	40.1 dB @ 247.50MHz	N/A	> 16.3 dB	23.8 dB
7,8-1,2	DH	OK	43.0 dB @ 229.00MHz	N/A	> 17.0 dB	26.0 dB
3,6-7,8	DH	OK	37.6 dB @ 233.00MHz	N/A	> 16.8 dB	20.8 dB
3,6-5,4	DH	OK	34.5 dB @ 250.00MHz	N/A	> 16.2 dB	18.3 dB
3,6-1,2	DH	OK	36.7 dB @ 232.50MHz	N/A	> 16.8 dB	19.9 dB
5,4-7,8	DH	OK	41.1 dB @ 226.50MHz	N/A	> 17.1 dB	24.0 dB
5,4-3,6	DH	OK	35.8 dB @ 245.50MHz	N/A	> 16.4 dB	19.4 dB
5,4-1,2	DH	OK	39.8 dB @ 177.00MHz	N/A	> 19.2 dB	20.6 dB
1,2-7,8	DH	OK	43.1 dB @ 194.50MHz	N/A	> 18.4 dB	24.7 dB
1,2-3,6	DH	OK	37.5 dB @ 227.50MHz	N/A	> 17.0 dB	20.5 dB
1,2-5,4	DH	OK	38.7 dB @ 177.50MHz	N/A	> 19.2 dB	19.5 dB
7,8-3,6	RH	OK	41.3 dB @ 248.50MHz	N/A	> 16.3 dB	25.0 dB
7,8-5,4	RH	OK	40.5 dB @ 233.00MHz	N/A	> 16.8 dB	23.7 dB
7,8-1,2	RH	OK	42.6 dB @ 226.50MHz	N/A	> 17.1 dB	25.5 dB
3,6-7,8	RH	OK	37.9 dB @ 237.50MHz	N/A	> 16.7 dB	21.2 dB
3,6-5,4	RH	OK	34.7 dB @ 249.00MHz	N/A	> 16.2 dB	18.5 dB
3,6-1,2	RH	OK	36.0 dB @ 232.50MHz	N/A	> 16.8 dB	19.2 dB
5,4-7,8	RH	OK	40.4 dB @ 250.00MHz	N/A	> 16.2 dB	24.2 dB
5,4-3,6	RH	OK	35.5 dB @ 245.00MHz	N/A	> 16.4 dB	19.1 dB
5,4-1,2	RH	OK	39.3 dB @ 177.00MHz	N/A	> 19.2 dB	20.1 dB
1,2-7,8	RH	OK	43.1 dB @ 194.50MHz	N/A	> 18.4 dB	24.7 dB
1,2-3,6	RH	OK	38.2 dB @ 227.50MHz	N/A	> 17.0 dB	21.2 dB
1,2-5,4	RH	OK	39.3 dB @ 177.50MHz	N/A	> 19.2 dB	20.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.6 dB @ 243.00MHz	N/A	> 32.5 dB	8.1 dB
3,6	DH	OK	38.9 dB @ 237.50MHz	N/A	> 32.7 dB	6.2 dB
5,4	DH	OK	45.2 dB @ 250.00MHz	N/A	> 32.3 dB	12.9 dB
1,2	DH	OK	42.9 dB @ 232.50MHz	N/A	> 32.8 dB	10.1 dB
7,8	RH	OK	43.5 dB @ 242.00MHz	N/A	> 32.5 dB	11.0 dB
3,6	RH	OK	44.0 dB @ 247.50MHz	N/A	> 32.4 dB	11.6 dB
5,4	RH	OK	43.0 dB @ 250.00MHz	N/A	> 32.3 dB	10.7 dB
1,2	RH	OK	45.5 dB @ 232.50MHz	N/A	> 32.8 dB	12.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.9 dB @ 233.00MHz	N/A	>= 2.9 dB	30.0 dB
3,6	DH	OK	31.1 dB @ 237.50MHz	N/A	>= 2.5 dB	28.6 dB
5,4	DH	OK	37.3 dB @ 250.00MHz	N/A	>= 1.1 dB	36.2 dB
1,2	DH	OK	36.0 dB @ 237.50MHz	N/A	>= 2.5 dB	33.5 dB
7,8	RH	OK	36.1 dB @ 233.00MHz	N/A	>= 2.9 dB	33.2 dB
3,6	RH	OK	36.5 dB @ 247.50MHz	N/A	>= 1.4 dB	35.1 dB
5,4	RH	OK	35.1 dB @ 250.00MHz	N/A	>= 1.1 dB	34.0 dB
1,2	RH	OK	38.5 dB @ 249.00MHz	N/A	>= 1.2 dB	37.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.5 dB @ 233.00MHz	N/A	>= 13.8 dB	21.7 dB
3,6	DH	OK	33.8 dB @ 245.50MHz	N/A	>= 13.4 dB	20.4 dB
5,4	DH	OK	33.3 dB @ 250.00MHz	N/A	>= 13.2 dB	20.1 dB
1,2	DH	OK	35.4 dB @ 232.50MHz	N/A	>= 13.8 dB	21.6 dB
7,8	RH	OK	37.1 dB @ 248.50MHz	N/A	>= 13.3 dB	23.8 dB
3,6	RH	OK	32.4 dB @ 237.50MHz	N/A	>= 13.7 dB	18.7 dB
5,4	RH	OK	34.3 dB @ 250.00MHz	N/A	>= 13.2 dB	21.1 dB
1,2	RH	OK	36.2 dB @ 227.50MHz	N/A	>= 14.0 dB	22.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

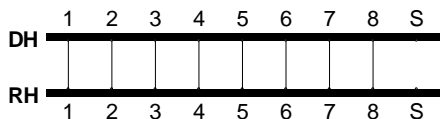
**OK**

ID cavo 1: 0008  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:48:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	23.3m	23.9m	24.5m	23.4m	< 90.0m	OK
Ritardo di propag.	122.8ns	125.8ns	128.3ns	123.4ns	< 510.0ns	OK
Diff. t. ritardo	5.5ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.0 Ohm	98.7 Ohm	95.7 Ohm	101.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	5.9 Ohm	6.5 Ohm	7.7 Ohm	6.1 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.9pF/m	49.3pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	1.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	39.7 dB @ 231.00MHz	N/A	> 35.9 dB	3.8 dB
7,8-5,4	DH	OK	48.6 dB @ 225.50MHz	N/A	> 36.0 dB	12.6 dB
7,8-1,2	DH	OK	56.1 dB @ 170.00MHz	N/A	> 38.1 dB	18.0 dB
3,6-5,4	DH	OK	52.7 dB @ 229.00MHz	N/A	> 35.9 dB	16.8 dB
3,6-1,2	DH	OK	45.1 dB @ 246.50MHz	N/A	> 35.4 dB	9.7 dB
5,4-1,2	DH	OK	48.3 dB @ 249.50MHz	N/A	> 35.3 dB	13.0 dB
7,8-3,6	RH	OK	46.5 dB @ 227.00MHz	N/A	> 36.0 dB	10.5 dB
7,8-5,4	RH	OK	44.7 dB @ 225.00MHz	N/A	> 36.1 dB	8.6 dB
7,8-1,2	RH	OK	51.7 dB @ 237.50MHz	N/A	> 35.7 dB	16.0 dB
3,6-5,4	RH	OK	50.6 dB @ 240.00MHz	N/A	> 35.6 dB	15.0 dB
3,6-1,2	RH	OK	45.5 dB @ 231.50MHz	N/A	> 35.9 dB	9.6 dB
5,4-1,2	RH	OK	49.1 dB @ 207.50MHz	N/A	> 36.6 dB	12.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.4 dB @ 235.00MHz	N/A	> 10.3 dB	5.1 dB
3,6	DH	OK	14.2 dB @ 230.00MHz	N/A	> 10.4 dB	3.8 dB
5,4	DH	OK	15.4 dB @ 238.00MHz	N/A	> 10.2 dB	5.2 dB
1,2	DH	OK	14.8 dB @ 216.00MHz	N/A	> 10.6 dB	4.2 dB
7,8	RH	OK	15.1 dB @ 226.00MHz	N/A	> 10.4 dB	4.7 dB
3,6	RH	OK	15.1 dB @ 221.50MHz	N/A	> 10.5 dB	4.6 dB
5,4	RH	OK	16.4 dB @ 225.50MHz	N/A	> 10.5 dB	5.9 dB
1,2	RH	OK	14.1 dB @ 215.50MHz	N/A	> 10.7 dB	3.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	8.4 dB @ 238.00MHz	N/A	< 30.3 dB	21.9 dB
3,6	OK	9.0 dB @ 232.50MHz	N/A	< 29.9 dB	20.9 dB
5,4	OK	9.1 dB @ 230.50MHz	N/A	< 29.7 dB	20.6 dB
1,2	OK	8.4 dB @ 249.00MHz	N/A	< 31.1 dB	22.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	32.0 dB @ 231.00MHz	N/A	>= 6.1 dB	25.9 dB
3,6	DH	OK	31.5 dB @ 231.00MHz	N/A	>= 6.1 dB	25.4 dB
5,4	DH	OK	39.8 dB @ 250.00MHz	N/A	>= 4.1 dB	35.7 dB
1,2	DH	OK	37.1 dB @ 246.50MHz	N/A	>= 4.5 dB	32.6 dB
7,8	RH	OK	36.8 dB @ 224.50MHz	N/A	>= 6.8 dB	30.0 dB
3,6	RH	OK	37.2 dB @ 231.50MHz	N/A	>= 6.1 dB	31.1 dB
5,4	RH	OK	36.3 dB @ 225.00MHz	N/A	>= 6.8 dB	29.5 dB
1,2	RH	OK	37.9 dB @ 231.00MHz	N/A	>= 6.1 dB	31.8 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0008  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:48:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.1 dB @ 248.50MHz	N/A	> 16.3 dB	18.8 dB
7,8-5,4	DH	OK	42.0 dB @ 246.50MHz	N/A	> 16.3 dB	25.7 dB
7,8-1,2	DH	OK	49.1 dB @ 210.50MHz	N/A	> 17.7 dB	31.4 dB
3,6-7,8	DH	OK	33.1 dB @ 236.00MHz	N/A	> 16.7 dB	16.4 dB
3,6-5,4	DH	OK	38.7 dB @ 230.50MHz	N/A	> 16.9 dB	21.8 dB
3,6-1,2	DH	OK	41.5 dB @ 231.00MHz	N/A	> 16.9 dB	24.6 dB
5,4-7,8	DH	OK	41.4 dB @ 224.50MHz	N/A	> 17.1 dB	24.3 dB
5,4-3,6	DH	OK	40.3 dB @ 248.50MHz	N/A	> 16.3 dB	24.0 dB
5,4-1,2	DH	OK	42.8 dB @ 178.50MHz	N/A	> 19.1 dB	23.7 dB
1,2-7,8	DH	OK	49.8 dB @ 150.50MHz	N/A	> 20.6 dB	29.2 dB
1,2-3,6	DH	OK	46.2 dB @ 230.50MHz	N/A	> 16.9 dB	29.3 dB
1,2-5,4	DH	OK	41.9 dB @ 177.50MHz	N/A	> 19.2 dB	22.7 dB
7,8-3,6	RH	OK	35.7 dB @ 248.50MHz	N/A	> 16.3 dB	19.4 dB
7,8-5,4	RH	OK	42.3 dB @ 224.50MHz	N/A	> 17.1 dB	25.2 dB
7,8-1,2	RH	OK	48.9 dB @ 210.50MHz	N/A	> 17.7 dB	31.2 dB
3,6-7,8	RH	OK	32.7 dB @ 232.50MHz	N/A	> 16.8 dB	15.9 dB
3,6-5,4	RH	OK	39.1 dB @ 235.50MHz	N/A	> 16.7 dB	22.4 dB
3,6-1,2	RH	OK	41.2 dB @ 231.00MHz	N/A	> 16.9 dB	24.3 dB
5,4-7,8	RH	OK	40.9 dB @ 250.00MHz	N/A	> 16.2 dB	24.7 dB
5,4-3,6	RH	OK	40.2 dB @ 250.00MHz	N/A	> 16.2 dB	24.0 dB
5,4-1,2	RH	OK	42.3 dB @ 178.50MHz	N/A	> 19.1 dB	23.2 dB
1,2-7,8	RH	OK	50.0 dB @ 150.50MHz	N/A	> 20.6 dB	29.4 dB
1,2-3,6	RH	OK	47.0 dB @ 230.50MHz	N/A	> 16.9 dB	30.1 dB
1,2-5,4	RH	OK	42.3 dB @ 176.50MHz	N/A	> 19.2 dB	23.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.4 dB @ 231.00MHz	N/A	> 32.9 dB	6.5 dB
3,6	DH	OK	39.1 dB @ 246.00MHz	N/A	> 32.4 dB	6.7 dB
5,4	DH	OK	46.8 dB @ 250.00MHz	N/A	> 32.3 dB	14.5 dB
1,2	DH	OK	43.6 dB @ 246.50MHz	N/A	> 32.4 dB	11.2 dB
7,8	RH	OK	43.2 dB @ 226.00MHz	N/A	> 33.0 dB	10.2 dB
3,6	RH	OK	43.2 dB @ 227.00MHz	N/A	> 33.0 dB	10.2 dB
5,4	RH	OK	44.2 dB @ 250.00MHz	N/A	> 32.3 dB	11.9 dB
1,2	RH	OK	44.3 dB @ 231.50MHz	N/A	> 32.9 dB	11.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.7 dB @ 231.00MHz	N/A	>= 3.1 dB	28.6 dB
3,6	DH	OK	30.2 dB @ 246.00MHz	N/A	>= 1.5 dB	28.7 dB
5,4	DH	OK	38.1 dB @ 250.00MHz	N/A	>= 1.1 dB	37.0 dB
1,2	DH	OK	35.6 dB @ 246.50MHz	N/A	>= 1.5 dB	34.1 dB
7,8	RH	OK	35.1 dB @ 226.00MHz	N/A	>= 3.6 dB	31.5 dB
3,6	RH	OK	34.9 dB @ 232.50MHz	N/A	>= 2.9 dB	32.0 dB
5,4	RH	OK	35.5 dB @ 250.00MHz	N/A	>= 1.1 dB	34.4 dB
1,2	RH	OK	36.6 dB @ 231.00MHz	N/A	>= 3.1 dB	33.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.4 dB @ 236.00MHz	N/A	>= 13.7 dB	18.7 dB
3,6	DH	OK	33.8 dB @ 248.50MHz	N/A	>= 13.3 dB	20.5 dB
5,4	DH	OK	36.4 dB @ 250.00MHz	N/A	>= 13.2 dB	23.2 dB
1,2	DH	OK	39.9 dB @ 231.00MHz	N/A	>= 13.9 dB	26.0 dB
7,8	RH	OK	34.9 dB @ 248.50MHz	N/A	>= 13.3 dB	21.6 dB
3,6	RH	OK	31.5 dB @ 235.50MHz	N/A	>= 13.7 dB	17.8 dB
5,4	RH	OK	37.1 dB @ 250.00MHz	N/A	>= 13.2 dB	23.9 dB
1,2	RH	OK	41.7 dB @ 176.50MHz	N/A	>= 16.2 dB	25.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

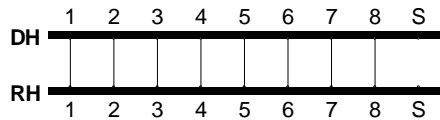
**OK**

ID cavo 1: 0009  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:50:24  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	37.3m	38.3m	39.3m	37.2m	< 90.0m	OK
Ritardo di propag.	187.8ns	192.6ns	197.0ns	187.5ns	< 510.0ns	OK
Diff. t. ritardo	9.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.8 Ohm	98.4 Ohm	95.7 Ohm	100.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.6 Ohm	8.2 Ohm	9.7 Ohm	7.9 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	48.0pF/m	49.4pF/m	47.0pF/m	< 66.0pF/m	OK
Riserva	5.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.5 dB @ 250.00MHz	N/A	> 35.3 dB	5.2 dB
7,8-5,4	DH	OK	50.6 dB @ 230.00MHz	N/A	> 35.9 dB	14.7 dB
7,8-1,2	DH	OK	57.7 dB @ 241.50MHz	N/A	> 35.6 dB	22.1 dB
3,6-5,4	DH	OK	52.8 dB @ 237.50MHz	N/A	> 35.7 dB	17.1 dB
3,6-1,2	DH	OK	43.8 dB @ 242.00MHz	N/A	> 35.5 dB	8.3 dB
5,4-1,2	DH	OK	47.7 dB @ 249.50MHz	N/A	> 35.3 dB	12.4 dB
7,8-3,6	RH	OK	44.7 dB @ 235.00MHz	N/A	> 35.8 dB	8.9 dB
7,8-5,4	RH	OK	45.3 dB @ 227.00MHz	N/A	> 36.0 dB	9.3 dB
7,8-1,2	RH	OK	50.2 dB @ 242.50MHz	N/A	> 35.5 dB	14.7 dB
3,6-5,4	RH	OK	49.5 dB @ 230.00MHz	N/A	> 35.9 dB	13.6 dB
3,6-1,2	RH	OK	46.5 dB @ 232.50MHz	N/A	> 35.8 dB	10.7 dB
5,4-1,2	RH	OK	51.3 dB @ 249.00MHz	N/A	> 35.3 dB	16.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.7 dB @ 215.50MHz	N/A	> 10.7 dB	5.0 dB
3,6	DH	OK	15.6 dB @ 232.50MHz	N/A	> 10.3 dB	5.3 dB
5,4	DH	OK	16.1 dB @ 231.00MHz	N/A	> 10.4 dB	5.7 dB
1,2	DH	OK	15.9 dB @ 223.50MHz	N/A	> 10.5 dB	5.4 dB
7,8	RH	OK	15.2 dB @ 215.00MHz	N/A	> 10.7 dB	4.5 dB
3,6	RH	OK	16.0 dB @ 232.00MHz	N/A	> 10.3 dB	5.7 dB
5,4	RH	OK	16.8 dB @ 230.50MHz	N/A	> 10.4 dB	6.4 dB
1,2	RH	OK	15.2 dB @ 154.50MHz	N/A	> 12.1 dB	3.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.5 dB @ 247.00MHz	N/A	< 30.9 dB	18.4 dB
3,6	OK	13.3 dB @ 229.00MHz	N/A	< 29.6 dB	16.3 dB
5,4	OK	13.5 dB @ 247.50MHz	N/A	< 31.0 dB	17.5 dB
1,2	OK	12.3 dB @ 240.50MHz	N/A	< 30.4 dB	18.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.1 dB @ 250.00MHz	N/A	>= 4.1 dB	24.0 dB
3,6	DH	OK	27.8 dB @ 249.50MHz	N/A	>= 4.2 dB	23.6 dB
5,4	DH	OK	34.4 dB @ 249.50MHz	N/A	>= 4.2 dB	30.2 dB
1,2	DH	OK	32.2 dB @ 242.00MHz	N/A	>= 4.9 dB	27.3 dB
7,8	RH	OK	32.4 dB @ 235.00MHz	N/A	>= 5.8 dB	26.6 dB
3,6	RH	OK	32.2 dB @ 234.50MHz	N/A	>= 5.8 dB	26.4 dB
5,4	RH	OK	32.9 dB @ 227.00MHz	N/A	>= 6.5 dB	26.4 dB
1,2	RH	OK	35.0 dB @ 241.50MHz	N/A	>= 5.1 dB	29.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0009  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:50:24  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.9 dB @ 229.00MHz	N/A	> 17.0 dB	14.9 dB
7,8-5,4	DH	OK	44.7 dB @ 247.00MHz	N/A	> 16.3 dB	28.4 dB
7,8-1,2	DH	OK	45.3 dB @ 211.00MHz	N/A	> 17.7 dB	27.6 dB
3,6-7,8	DH	OK	31.6 dB @ 235.00MHz	N/A	> 16.7 dB	14.9 dB
3,6-5,4	DH	OK	31.8 dB @ 249.50MHz	N/A	> 16.2 dB	15.6 dB
3,6-1,2	DH	OK	42.2 dB @ 181.50MHz	N/A	> 19.0 dB	23.2 dB
5,4-7,8	DH	OK	43.7 dB @ 249.50MHz	N/A	> 16.2 dB	27.5 dB
5,4-3,6	DH	OK	32.3 dB @ 247.50MHz	N/A	> 16.3 dB	16.0 dB
5,4-1,2	DH	OK	38.5 dB @ 228.00MHz	N/A	> 17.0 dB	21.5 dB
1,2-7,8	DH	OK	47.1 dB @ 188.50MHz	N/A	> 18.7 dB	28.4 dB
1,2-3,6	DH	OK	43.0 dB @ 178.50MHz	N/A	> 19.1 dB	23.9 dB
1,2-5,4	DH	OK	36.5 dB @ 230.00MHz	N/A	> 16.9 dB	19.6 dB
7,8-3,6	RH	OK	32.5 dB @ 219.00MHz	N/A	> 17.4 dB	15.1 dB
7,8-5,4	RH	OK	45.2 dB @ 219.00MHz	N/A	> 17.4 dB	27.8 dB
7,8-1,2	RH	OK	45.2 dB @ 219.00MHz	N/A	> 17.4 dB	27.8 dB
3,6-7,8	RH	OK	30.6 dB @ 232.50MHz	N/A	> 16.8 dB	13.8 dB
3,6-5,4	RH	OK	32.4 dB @ 249.50MHz	N/A	> 16.2 dB	16.2 dB
3,6-1,2	RH	OK	41.6 dB @ 182.00MHz	N/A	> 19.0 dB	22.6 dB
5,4-7,8	RH	OK	42.5 dB @ 249.50MHz	N/A	> 16.2 dB	26.3 dB
5,4-3,6	RH	OK	31.7 dB @ 247.50MHz	N/A	> 16.3 dB	15.4 dB
5,4-1,2	RH	OK	37.5 dB @ 219.00MHz	N/A	> 17.4 dB	20.1 dB
1,2-7,8	RH	OK	47.1 dB @ 188.00MHz	N/A	> 18.7 dB	28.4 dB
1,2-3,6	RH	OK	43.4 dB @ 179.00MHz	N/A	> 19.1 dB	24.3 dB
1,2-5,4	RH	OK	38.0 dB @ 230.50MHz	N/A	> 16.9 dB	21.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.2 dB @ 234.50MHz	N/A	> 32.8 dB	7.4 dB
3,6	DH	OK	39.5 dB @ 240.00MHz	N/A	> 32.6 dB	6.9 dB
5,4	DH	OK	46.9 dB @ 249.50MHz	N/A	> 32.3 dB	14.6 dB
1,2	DH	OK	43.2 dB @ 242.00MHz	N/A	> 32.5 dB	10.7 dB
7,8	RH	OK	42.0 dB @ 235.00MHz	N/A	> 32.8 dB	9.2 dB
3,6	RH	OK	42.4 dB @ 235.00MHz	N/A	> 32.8 dB	9.6 dB
5,4	RH	OK	43.9 dB @ 227.00MHz	N/A	> 33.0 dB	10.9 dB
1,2	RH	OK	45.1 dB @ 241.50MHz	N/A	> 32.6 dB	12.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.0 dB @ 250.00MHz	N/A	>= 1.1 dB	26.9 dB
3,6	DH	OK	26.6 dB @ 240.00MHz	N/A	>= 2.2 dB	24.4 dB
5,4	DH	OK	33.6 dB @ 249.50MHz	N/A	>= 1.2 dB	32.4 dB
1,2	DH	OK	31.6 dB @ 242.00MHz	N/A	>= 1.9 dB	29.7 dB
7,8	RH	OK	29.7 dB @ 235.00MHz	N/A	>= 2.8 dB	26.9 dB
3,6	RH	OK	30.0 dB @ 235.00MHz	N/A	>= 2.8 dB	27.2 dB
5,4	RH	OK	31.1 dB @ 230.00MHz	N/A	>= 3.2 dB	27.9 dB
1,2	RH	OK	33.2 dB @ 241.50MHz	N/A	>= 2.1 dB	31.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.5 dB @ 235.00MHz	N/A	>= 13.7 dB	17.8 dB
3,6	DH	OK	29.4 dB @ 247.50MHz	N/A	>= 13.3 dB	16.1 dB
5,4	DH	OK	30.9 dB @ 249.50MHz	N/A	>= 13.2 dB	17.7 dB
1,2	DH	OK	37.2 dB @ 228.00MHz	N/A	>= 14.0 dB	23.2 dB
7,8	RH	OK	32.0 dB @ 219.00MHz	N/A	>= 14.4 dB	17.6 dB
3,6	RH	OK	28.6 dB @ 232.50MHz	N/A	>= 13.8 dB	14.8 dB
5,4	RH	OK	30.7 dB @ 247.50MHz	N/A	>= 13.3 dB	17.4 dB
1,2	RH	OK	37.6 dB @ 229.00MHz	N/A	>= 14.0 dB	23.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0010  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:53:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	37.5m	38.6m	39.5m	37.4m	< 90.0m	OK
Ritardo di propag.	188.6ns	193.9ns	198.2ns	188.4ns	< 510.0ns	OK
Diff. t. ritardo	9.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.2 Ohm	97.7 Ohm	95.5 Ohm	100.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.7 Ohm	8.3 Ohm	9.8 Ohm	7.8 Ohm	< 20.0 Ohm	OK
Capacità	48.1pF/m	48.4pF/m	49.5pF/m	47.2pF/m	< 66.0pF/m	OK
Riserva	4.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 238.50MHz	N/A	> 35.7 dB	5.8 dB
7,8-5,4	DH	OK	51.9 dB @ 226.00MHz	N/A	> 36.0 dB	15.9 dB
7,8-1,2	DH	OK	58.8 dB @ 240.00MHz	N/A	> 35.6 dB	23.2 dB
3,6-5,4	DH	OK	52.2 dB @ 231.00MHz	N/A	> 35.9 dB	16.3 dB
3,6-1,2	DH	OK	45.8 dB @ 244.00MHz	N/A	> 35.5 dB	10.3 dB
5,4-1,2	DH	OK	48.1 dB @ 240.50MHz	N/A	> 35.6 dB	12.5 dB
7,8-3,6	RH	OK	47.0 dB @ 222.00MHz	N/A	> 36.2 dB	10.8 dB
7,8-5,4	RH	OK	45.6 dB @ 226.00MHz	N/A	> 36.0 dB	9.6 dB
7,8-1,2	RH	OK	54.0 dB @ 221.00MHz	N/A	> 36.2 dB	17.8 dB
3,6-5,4	RH	OK	52.1 dB @ 233.50MHz	N/A	> 35.8 dB	16.3 dB
3,6-1,2	RH	OK	47.3 dB @ 219.50MHz	N/A	> 36.2 dB	11.1 dB
5,4-1,2	RH	OK	49.3 dB @ 154.00MHz	N/A	> 38.8 dB	10.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.5 dB @ 225.50MHz	N/A	> 10.5 dB	5.0 dB
3,6	DH	OK	15.5 dB @ 234.00MHz	N/A	> 10.3 dB	5.2 dB
5,4	DH	OK	17.3 dB @ 232.00MHz	N/A	> 10.3 dB	7.0 dB
1,2	DH	OK	15.5 dB @ 176.50MHz	N/A	> 11.5 dB	4.0 dB
7,8	RH	OK	15.1 dB @ 225.50MHz	N/A	> 10.5 dB	4.6 dB
3,6	RH	OK	15.7 dB @ 228.00MHz	N/A	> 10.4 dB	5.3 dB
5,4	RH	OK	17.4 dB @ 226.50MHz	N/A	> 10.4 dB	7.0 dB
1,2	RH	OK	15.8 dB @ 234.00MHz	N/A	> 10.3 dB	5.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.7 dB @ 238.50MHz	N/A	< 30.3 dB	16.6 dB
3,6	OK	13.4 dB @ 247.50MHz	N/A	< 31.0 dB	17.6 dB
5,4	OK	13.7 dB @ 243.50MHz	N/A	< 30.7 dB	17.0 dB
1,2	OK	12.4 dB @ 249.50MHz	N/A	< 31.1 dB	18.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.8 dB @ 238.50MHz	N/A	>= 5.4 dB	22.4 dB
3,6	DH	OK	28.7 dB @ 238.50MHz	N/A	>= 5.4 dB	23.3 dB
5,4	DH	OK	34.9 dB @ 240.50MHz	N/A	>= 5.2 dB	29.7 dB
1,2	DH	OK	33.8 dB @ 244.00MHz	N/A	>= 4.8 dB	29.0 dB
7,8	RH	OK	33.8 dB @ 231.00MHz	N/A	>= 6.1 dB	27.7 dB
3,6	RH	OK	34.3 dB @ 232.50MHz	N/A	>= 5.9 dB	28.4 dB
5,4	RH	OK	32.4 dB @ 232.00MHz	N/A	>= 6.0 dB	26.4 dB
1,2	RH	OK	35.2 dB @ 233.00MHz	N/A	>= 5.9 dB	29.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0010  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:53:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.0 dB @ 229.50MHz	N/A	> 16.9 dB	14.1 dB
7,8-5,4	DH	OK	43.2 dB @ 212.50MHz	N/A	> 17.6 dB	25.6 dB
7,8-1,2	DH	OK	46.0 dB @ 225.00MHz	N/A	> 17.1 dB	28.9 dB
3,6-7,8	DH	OK	30.0 dB @ 238.50MHz	N/A	> 16.6 dB	13.4 dB
3,6-5,4	DH	OK	30.6 dB @ 247.00MHz	N/A	> 16.3 dB	14.3 dB
3,6-1,2	DH	OK	38.8 dB @ 249.50MHz	N/A	> 16.2 dB	22.6 dB
5,4-7,8	DH	OK	40.8 dB @ 250.00MHz	N/A	> 16.2 dB	24.6 dB
5,4-3,6	DH	OK	30.9 dB @ 249.50MHz	N/A	> 16.2 dB	14.7 dB
5,4-1,2	DH	OK	39.2 dB @ 207.50MHz	N/A	> 17.8 dB	21.4 dB
1,2-7,8	DH	OK	47.7 dB @ 192.00MHz	N/A	> 18.5 dB	29.2 dB
1,2-3,6	DH	OK	40.0 dB @ 250.00MHz	N/A	> 16.2 dB	23.8 dB
1,2-5,4	DH	OK	38.0 dB @ 212.50MHz	N/A	> 17.6 dB	20.4 dB
7,8-3,6	RH	OK	31.4 dB @ 238.50MHz	N/A	> 16.6 dB	14.8 dB
7,8-5,4	RH	OK	44.0 dB @ 218.50MHz	N/A	> 17.4 dB	26.6 dB
7,8-1,2	RH	OK	46.4 dB @ 227.00MHz	N/A	> 17.0 dB	29.4 dB
3,6-7,8	RH	OK	30.0 dB @ 231.50MHz	N/A	> 16.9 dB	13.1 dB
3,6-5,4	RH	OK	30.6 dB @ 249.50MHz	N/A	> 16.2 dB	14.4 dB
3,6-1,2	RH	OK	37.9 dB @ 247.50MHz	N/A	> 16.3 dB	21.6 dB
5,4-7,8	RH	OK	40.1 dB @ 249.50MHz	N/A	> 16.2 dB	23.9 dB
5,4-3,6	RH	OK	30.5 dB @ 246.00MHz	N/A	> 16.3 dB	14.2 dB
5,4-1,2	RH	OK	38.8 dB @ 212.50MHz	N/A	> 17.6 dB	21.2 dB
1,2-7,8	RH	OK	48.0 dB @ 194.50MHz	N/A	> 18.4 dB	29.6 dB
1,2-3,6	RH	OK	40.8 dB @ 250.00MHz	N/A	> 16.2 dB	24.6 dB
1,2-5,4	RH	OK	38.8 dB @ 207.50MHz	N/A	> 17.8 dB	21.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 238.50MHz	N/A	> 32.7 dB	8.6 dB
3,6	DH	OK	40.6 dB @ 238.50MHz	N/A	> 32.7 dB	7.9 dB
5,4	DH	OK	47.2 dB @ 240.00MHz	N/A	> 32.6 dB	14.6 dB
1,2	DH	OK	44.3 dB @ 244.00MHz	N/A	> 32.5 dB	11.8 dB
7,8	RH	OK	43.7 dB @ 230.00MHz	N/A	> 32.9 dB	10.8 dB
3,6	RH	OK	44.6 dB @ 233.00MHz	N/A	> 32.8 dB	11.8 dB
5,4	RH	OK	44.9 dB @ 226.00MHz	N/A	> 33.0 dB	11.9 dB
1,2	RH	OK	46.6 dB @ 220.50MHz	N/A	> 33.2 dB	13.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.6 dB @ 238.50MHz	N/A	>= 2.4 dB	25.2 dB
3,6	DH	OK	27.8 dB @ 238.50MHz	N/A	>= 2.4 dB	25.4 dB
5,4	DH	OK	34.1 dB @ 240.50MHz	N/A	>= 2.2 dB	31.9 dB
1,2	DH	OK	32.2 dB @ 243.50MHz	N/A	>= 1.8 dB	30.4 dB
7,8	RH	OK	31.8 dB @ 230.00MHz	N/A	>= 3.2 dB	28.6 dB
3,6	RH	OK	31.7 dB @ 232.50MHz	N/A	>= 2.9 dB	28.8 dB
5,4	RH	OK	31.8 dB @ 232.00MHz	N/A	>= 3.0 dB	28.8 dB
1,2	RH	OK	34.7 dB @ 233.00MHz	N/A	>= 2.9 dB	31.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.6 dB @ 238.50MHz	N/A	>= 13.6 dB	16.0 dB
3,6	DH	OK	28.0 dB @ 247.50MHz	N/A	>= 13.3 dB	14.7 dB
5,4	DH	OK	30.1 dB @ 247.00MHz	N/A	>= 13.3 dB	16.8 dB
1,2	DH	OK	38.0 dB @ 207.50MHz	N/A	>= 14.8 dB	23.2 dB
7,8	RH	OK	31.0 dB @ 238.50MHz	N/A	>= 13.6 dB	17.4 dB
3,6	RH	OK	27.5 dB @ 247.50MHz	N/A	>= 13.3 dB	14.2 dB
5,4	RH	OK	29.9 dB @ 246.00MHz	N/A	>= 13.3 dB	16.6 dB
1,2	RH	OK	37.8 dB @ 207.50MHz	N/A	>= 14.8 dB	23.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

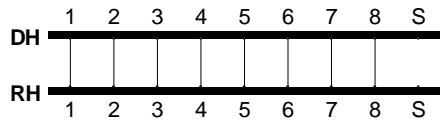
ID cavo 1: 0011  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:55:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	37.6m	38.7m	39.8m	37.7m	< 90.0m	OK
Ritardo di propag.	189.4ns	194.3ns	199.2ns	189.4ns	< 510.0ns	OK
Diff. t. ritardo	9.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.7 Ohm	97.8 Ohm	96.4 Ohm	100.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.6 Ohm	8.1 Ohm	10.7 Ohm	8.1 Ohm	< 20.0 Ohm	OK
Capacità	47.9pF/m	48.3pF/m	49.0pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	7.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.5 dB @ 243.50MHz	N/A	> 35.5 dB	5.0 dB
7,8-5,4	DH	OK	50.4 dB @ 225.00MHz	N/A	> 36.1 dB	14.3 dB
7,8-1,2	DH	OK	49.8 dB @ 227.50MHz	N/A	> 36.0 dB	13.8 dB
3,6-5,4	DH	OK	50.1 dB @ 230.00MHz	N/A	> 35.9 dB	14.2 dB
3,6-1,2	DH	OK	46.4 dB @ 248.00MHz	N/A	> 35.4 dB	11.0 dB
5,4-1,2	DH	OK	49.1 dB @ 249.50MHz	N/A	> 35.3 dB	13.8 dB
7,8-3,6	RH	OK	45.9 dB @ 238.50MHz	N/A	> 35.7 dB	10.2 dB
7,8-5,4	RH	OK	45.4 dB @ 236.50MHz	N/A	> 35.7 dB	9.7 dB
7,8-1,2	RH	OK	52.8 dB @ 222.00MHz	N/A	> 36.2 dB	16.6 dB
3,6-5,4	RH	OK	52.3 dB @ 246.00MHz	N/A	> 35.4 dB	16.9 dB
3,6-1,2	RH	OK	43.0 dB @ 236.00MHz	N/A	> 35.7 dB	7.3 dB
5,4-1,2	RH	OK	51.1 dB @ 202.50MHz	N/A	> 36.8 dB	14.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 230.00MHz	N/A	> 10.4 dB	5.6 dB
3,6	DH	OK	14.5 dB @ 233.50MHz	N/A	> 10.3 dB	4.2 dB
5,4	DH	OK	16.0 dB @ 239.00MHz	N/A	> 10.2 dB	5.8 dB
1,2	DH	OK	15.7 dB @ 218.50MHz	N/A	> 10.6 dB	5.1 dB
7,8	RH	OK	16.0 dB @ 230.00MHz	N/A	> 10.4 dB	5.6 dB
3,6	RH	OK	16.3 dB @ 228.00MHz	N/A	> 10.4 dB	5.9 dB
5,4	RH	OK	16.2 dB @ 239.00MHz	N/A	> 10.2 dB	6.0 dB
1,2	RH	OK	16.3 dB @ 229.50MHz	N/A	> 10.4 dB	5.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.5 dB @ 249.00MHz	N/A	< 31.1 dB	18.6 dB
3,6	OK	13.5 dB @ 243.00MHz	N/A	< 30.6 dB	17.1 dB
5,4	OK	13.7 dB @ 244.00MHz	N/A	< 30.7 dB	17.0 dB
1,2	OK	12.4 dB @ 248.00MHz	N/A	< 31.0 dB	18.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.6 dB @ 238.00MHz	N/A	>= 5.4 dB	23.2 dB
3,6	DH	OK	27.5 dB @ 243.00MHz	N/A	>= 4.9 dB	22.6 dB
5,4	DH	OK	35.9 dB @ 249.50MHz	N/A	>= 4.2 dB	31.7 dB
1,2	DH	OK	34.0 dB @ 248.00MHz	N/A	>= 4.4 dB	29.6 dB
7,8	RH	OK	33.4 dB @ 225.50MHz	N/A	>= 6.7 dB	26.7 dB
3,6	RH	OK	30.3 dB @ 232.50MHz	N/A	>= 5.9 dB	24.4 dB
5,4	RH	OK	32.1 dB @ 234.50MHz	N/A	>= 5.8 dB	26.3 dB
1,2	RH	OK	31.0 dB @ 236.00MHz	N/A	>= 5.6 dB	25.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0011  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:55:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.2 dB @ 217.50MHz	N/A	> 17.4 dB	13.8 dB
7,8-5,4	DH	OK	40.8 dB @ 227.00MHz	N/A	> 17.0 dB	23.8 dB
7,8-1,2	DH	OK	43.0 dB @ 227.00MHz	N/A	> 17.0 dB	26.0 dB
3,6-7,8	DH	OK	31.1 dB @ 235.00MHz	N/A	> 16.7 dB	14.4 dB
3,6-5,4	DH	OK	31.3 dB @ 249.50MHz	N/A	> 16.2 dB	15.1 dB
3,6-1,2	DH	OK	43.1 dB @ 180.00MHz	N/A	> 19.1 dB	24.0 dB
5,4-7,8	DH	OK	40.9 dB @ 238.50MHz	N/A	> 16.6 dB	24.3 dB
5,4-3,6	DH	OK	31.0 dB @ 243.00MHz	N/A	> 16.5 dB	14.5 dB
5,4-1,2	DH	OK	39.3 dB @ 212.50MHz	N/A	> 17.6 dB	21.7 dB
1,2-7,8	DH	OK	43.0 dB @ 223.00MHz	N/A	> 17.2 dB	25.8 dB
1,2-3,6	DH	OK	43.7 dB @ 217.50MHz	N/A	> 17.4 dB	26.3 dB
1,2-5,4	DH	OK	38.0 dB @ 224.50MHz	N/A	> 17.1 dB	20.9 dB
7,8-3,6	RH	OK	32.3 dB @ 225.50MHz	N/A	> 17.1 dB	15.2 dB
7,8-5,4	RH	OK	41.7 dB @ 215.00MHz	N/A	> 17.5 dB	24.2 dB
7,8-1,2	RH	OK	42.7 dB @ 227.50MHz	N/A	> 17.0 dB	25.7 dB
3,6-7,8	RH	OK	30.4 dB @ 228.50MHz	N/A	> 17.0 dB	13.4 dB
3,6-5,4	RH	OK	31.4 dB @ 249.50MHz	N/A	> 16.2 dB	15.2 dB
3,6-1,2	RH	OK	42.3 dB @ 228.50MHz	N/A	> 17.0 dB	25.3 dB
5,4-7,8	RH	OK	39.9 dB @ 249.50MHz	N/A	> 16.2 dB	23.7 dB
5,4-3,6	RH	OK	30.9 dB @ 243.00MHz	N/A	> 16.5 dB	14.4 dB
5,4-1,2	RH	OK	38.2 dB @ 213.00MHz	N/A	> 17.6 dB	20.6 dB
1,2-7,8	RH	OK	43.2 dB @ 233.00MHz	N/A	> 16.8 dB	26.4 dB
1,2-3,6	RH	OK	44.7 dB @ 219.50MHz	N/A	> 17.3 dB	27.4 dB
1,2-5,4	RH	OK	38.9 dB @ 222.50MHz	N/A	> 17.2 dB	21.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.1 dB @ 238.00MHz	N/A	> 32.7 dB	7.4 dB
3,6	DH	OK	39.5 dB @ 238.00MHz	N/A	> 32.7 dB	6.8 dB
5,4	DH	OK	47.0 dB @ 238.50MHz	N/A	> 32.7 dB	14.3 dB
1,2	DH	OK	43.8 dB @ 248.00MHz	N/A	> 32.4 dB	11.4 dB
7,8	RH	OK	43.0 dB @ 238.50MHz	N/A	> 32.7 dB	10.3 dB
3,6	RH	OK	41.2 dB @ 238.50MHz	N/A	> 32.7 dB	8.5 dB
5,4	RH	OK	44.7 dB @ 245.00MHz	N/A	> 32.5 dB	12.2 dB
1,2	RH	OK	42.5 dB @ 210.50MHz	N/A	> 33.5 dB	9.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.0 dB @ 238.50MHz	N/A	>= 2.4 dB	25.6 dB
3,6	DH	OK	26.9 dB @ 238.00MHz	N/A	>= 2.4 dB	24.5 dB
5,4	DH	OK	34.0 dB @ 238.50MHz	N/A	>= 2.4 dB	31.6 dB
1,2	DH	OK	31.4 dB @ 248.00MHz	N/A	>= 1.4 dB	30.0 dB
7,8	RH	OK	30.7 dB @ 238.50MHz	N/A	>= 2.4 dB	28.3 dB
3,6	RH	OK	28.3 dB @ 238.50MHz	N/A	>= 2.4 dB	25.9 dB
5,4	RH	OK	31.2 dB @ 244.00MHz	N/A	>= 1.8 dB	29.4 dB
1,2	RH	OK	30.7 dB @ 248.00MHz	N/A	>= 1.4 dB	29.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.5 dB @ 235.00MHz	N/A	>= 13.7 dB	16.8 dB
3,6	DH	OK	28.6 dB @ 243.00MHz	N/A	>= 13.5 dB	15.1 dB
5,4	DH	OK	30.8 dB @ 249.50MHz	N/A	>= 13.2 dB	17.6 dB
1,2	DH	OK	37.1 dB @ 223.50MHz	N/A	>= 14.2 dB	22.9 dB
7,8	RH	OK	31.5 dB @ 225.50MHz	N/A	>= 14.1 dB	17.4 dB
3,6	RH	OK	28.7 dB @ 249.50MHz	N/A	>= 13.2 dB	15.5 dB
5,4	RH	OK	30.2 dB @ 243.00MHz	N/A	>= 13.5 dB	16.7 dB
1,2	RH	OK	37.0 dB @ 222.50MHz	N/A	>= 14.2 dB	22.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

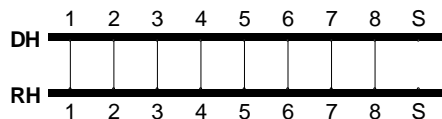
**OK**

ID cavo 1: 0012  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:56:42  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	37.6m	38.6m	39.7m	37.6m	< 90.0m	OK
Ritardo di propag.	189.2ns	194.0ns	198.7ns	189.0ns	< 510.0ns	OK
Diff. t. ritardo	9.7ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.0 Ohm	98.4 Ohm	95.8 Ohm	100.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.1 Ohm	8.9 Ohm	10.6 Ohm	8.4 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	48.0pF/m	49.3pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	7.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 238.50MHz	N/A	> 35.7 dB	5.8 dB
7,8-5,4	DH	OK	52.7 dB @ 176.00MHz	N/A	> 37.8 dB	14.9 dB
7,8-1,2	DH	OK	58.4 dB @ 200.00MHz	N/A	> 36.9 dB	21.5 dB
3,6-5,4	DH	OK	52.6 dB @ 227.50MHz	N/A	> 36.0 dB	16.6 dB
3,6-1,2	DH	OK	46.4 dB @ 249.00MHz	N/A	> 35.3 dB	11.1 dB
5,4-1,2	DH	OK	48.7 dB @ 250.00MHz	N/A	> 35.3 dB	13.4 dB
7,8-3,6	RH	OK	44.7 dB @ 221.50MHz	N/A	> 36.2 dB	8.5 dB
7,8-5,4	RH	OK	45.5 dB @ 242.00MHz	N/A	> 35.5 dB	10.0 dB
7,8-1,2	RH	OK	54.1 dB @ 223.00MHz	N/A	> 36.1 dB	18.0 dB
3,6-5,4	RH	OK	51.4 dB @ 225.00MHz	N/A	> 36.1 dB	15.3 dB
3,6-1,2	RH	OK	46.7 dB @ 225.00MHz	N/A	> 36.1 dB	10.6 dB
5,4-1,2	RH	OK	50.1 dB @ 214.00MHz	N/A	> 36.4 dB	13.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.2 dB @ 219.00MHz	N/A	> 10.6 dB	5.6 dB
3,6	DH	OK	16.1 dB @ 230.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	DH	OK	17.8 dB @ 229.00MHz	N/A	> 10.4 dB	7.4 dB
1,2	DH	OK	17.1 dB @ 221.50MHz	N/A	> 10.5 dB	6.6 dB
7,8	RH	OK	15.2 dB @ 224.50MHz	N/A	> 10.5 dB	4.7 dB
3,6	RH	OK	16.0 dB @ 220.00MHz	N/A	> 10.6 dB	5.4 dB
5,4	RH	OK	17.5 dB @ 221.00MHz	N/A	> 10.5 dB	7.0 dB
1,2	RH	OK	17.3 dB @ 170.00MHz	N/A	> 11.7 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.7 dB @ 246.00MHz	N/A	< 30.9 dB	18.2 dB
3,6	OK	13.7 dB @ 248.50MHz	N/A	< 31.0 dB	17.3 dB
5,4	OK	13.7 dB @ 236.00MHz	N/A	< 30.1 dB	16.4 dB
1,2	OK	12.6 dB @ 241.50MHz	N/A	< 30.5 dB	17.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	29.5 dB @ 238.50MHz	N/A	>= 5.4 dB	24.1 dB
3,6	DH	OK	28.5 dB @ 238.50MHz	N/A	>= 5.4 dB	23.1 dB
5,4	DH	OK	35.9 dB @ 249.50MHz	N/A	>= 4.2 dB	31.7 dB
1,2	DH	OK	33.9 dB @ 249.00MHz	N/A	>= 4.2 dB	29.7 dB
7,8	RH	OK	32.8 dB @ 221.50MHz	N/A	>= 7.2 dB	25.6 dB
3,6	RH	OK	32.7 dB @ 221.50MHz	N/A	>= 7.2 dB	25.5 dB
5,4	RH	OK	31.9 dB @ 236.00MHz	N/A	>= 5.6 dB	26.3 dB
1,2	RH	OK	34.6 dB @ 225.00MHz	N/A	>= 6.8 dB	27.8 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0012  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:56:42  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	29.8 dB @ 248.50MHz	N/A	> 16.3 dB	13.5 dB
7,8-5,4	DH	OK	41.4 dB @ 236.00MHz	N/A	> 16.7 dB	24.7 dB
7,8-1,2	DH	OK	46.0 dB @ 218.00MHz	N/A	> 17.4 dB	28.6 dB
3,6-7,8	DH	OK	29.9 dB @ 249.50MHz	N/A	> 16.2 dB	13.7 dB
3,6-5,4	DH	OK	30.2 dB @ 243.00MHz	N/A	> 16.5 dB	13.7 dB
3,6-1,2	DH	OK	41.6 dB @ 249.50MHz	N/A	> 16.2 dB	25.4 dB
5,4-7,8	DH	OK	41.3 dB @ 250.00MHz	N/A	> 16.2 dB	25.1 dB
5,4-3,6	DH	OK	30.1 dB @ 248.50MHz	N/A	> 16.3 dB	13.8 dB
5,4-1,2	DH	OK	37.0 dB @ 218.00MHz	N/A	> 17.4 dB	19.6 dB
1,2-7,8	DH	OK	46.9 dB @ 246.00MHz	N/A	> 16.3 dB	30.6 dB
1,2-3,6	DH	OK	40.2 dB @ 248.50MHz	N/A	> 16.3 dB	23.9 dB
1,2-5,4	DH	OK	35.8 dB @ 221.00MHz	N/A	> 17.3 dB	18.5 dB
7,8-3,6	RH	OK	30.8 dB @ 221.50MHz	N/A	> 17.3 dB	13.5 dB
7,8-5,4	RH	OK	43.0 dB @ 236.00MHz	N/A	> 16.7 dB	26.3 dB
7,8-1,2	RH	OK	46.1 dB @ 210.00MHz	N/A	> 17.7 dB	28.4 dB
3,6-7,8	RH	OK	28.8 dB @ 235.50MHz	N/A	> 16.7 dB	12.1 dB
3,6-5,4	RH	OK	30.0 dB @ 248.50MHz	N/A	> 16.3 dB	13.7 dB
3,6-1,2	RH	OK	40.3 dB @ 248.50MHz	N/A	> 16.3 dB	24.0 dB
5,4-7,8	RH	OK	40.5 dB @ 249.50MHz	N/A	> 16.2 dB	24.3 dB
5,4-3,6	RH	OK	30.4 dB @ 249.50MHz	N/A	> 16.2 dB	14.2 dB
5,4-1,2	RH	OK	36.3 dB @ 211.00MHz	N/A	> 17.7 dB	18.6 dB
1,2-7,8	RH	OK	47.3 dB @ 246.00MHz	N/A	> 16.3 dB	31.0 dB
1,2-3,6	RH	OK	41.2 dB @ 249.00MHz	N/A	> 16.2 dB	25.0 dB
1,2-5,4	RH	OK	36.7 dB @ 218.00MHz	N/A	> 17.4 dB	19.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 238.50MHz	N/A	> 32.7 dB	8.7 dB
3,6	DH	OK	40.6 dB @ 233.00MHz	N/A	> 32.8 dB	7.8 dB
5,4	DH	OK	48.0 dB @ 250.00MHz	N/A	> 32.3 dB	15.7 dB
1,2	DH	OK	44.7 dB @ 250.00MHz	N/A	> 32.3 dB	12.4 dB
7,8	RH	OK	43.2 dB @ 221.50MHz	N/A	> 33.2 dB	10.0 dB
3,6	RH	OK	43.2 dB @ 222.00MHz	N/A	> 33.2 dB	10.0 dB
5,4	RH	OK	44.2 dB @ 242.00MHz	N/A	> 32.5 dB	11.7 dB
1,2	RH	OK	45.8 dB @ 225.00MHz	N/A	> 33.1 dB	12.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.4 dB @ 238.50MHz	N/A	>= 2.4 dB	27.0 dB
3,6	DH	OK	27.7 dB @ 238.50MHz	N/A	>= 2.4 dB	25.3 dB
5,4	DH	OK	35.2 dB @ 250.00MHz	N/A	>= 1.1 dB	34.1 dB
1,2	DH	OK	32.2 dB @ 249.00MHz	N/A	>= 1.2 dB	31.0 dB
7,8	RH	OK	31.3 dB @ 221.50MHz	N/A	>= 4.2 dB	27.1 dB
3,6	RH	OK	31.2 dB @ 222.00MHz	N/A	>= 4.1 dB	27.1 dB
5,4	RH	OK	30.9 dB @ 236.00MHz	N/A	>= 2.6 dB	28.3 dB
1,2	RH	OK	33.7 dB @ 225.00MHz	N/A	>= 3.8 dB	29.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.5 dB @ 249.50MHz	N/A	>= 13.2 dB	16.3 dB
3,6	DH	OK	26.7 dB @ 248.50MHz	N/A	>= 13.3 dB	13.4 dB
5,4	DH	OK	29.4 dB @ 243.00MHz	N/A	>= 13.5 dB	15.9 dB
1,2	DH	OK	35.8 dB @ 218.00MHz	N/A	>= 14.4 dB	21.4 dB
7,8	RH	OK	30.4 dB @ 221.50MHz	N/A	>= 14.3 dB	16.1 dB
3,6	RH	OK	26.2 dB @ 248.50MHz	N/A	>= 13.3 dB	12.9 dB
5,4	RH	OK	29.8 dB @ 249.50MHz	N/A	>= 13.2 dB	16.6 dB
1,2	RH	OK	36.3 dB @ 218.00MHz	N/A	>= 14.4 dB	21.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

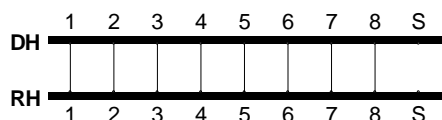
ID cavo 1: 0013  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:58:00  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	30.5m	31.4m	32.1m	30.6m	< 90.0m	OK
Ritardo di propag.	156.3ns	160.4ns	163.5ns	156.7ns	< 510.0ns	OK
Diff. t. ritardo	7.2ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	97.5 Ohm	97.5 Ohm	96.0 Ohm	99.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.5 Ohm	7.1 Ohm	9.3 Ohm	6.8 Ohm	< 20.0 Ohm	OK
Capacità	48.4pF/m	48.4pF/m	49.2pF/m	47.6pF/m	< 66.0pF/m	OK
Riserva	4.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.7 dB @ 244.50MHz	N/A	> 35.5 dB	6.2 dB
7,8-5,4	DH	OK	48.3 dB @ 232.00MHz	N/A	> 35.8 dB	12.5 dB
7,8-1,2	DH	OK	58.0 dB @ 163.00MHz	N/A	> 38.4 dB	19.6 dB
3,6-5,4	DH	OK	52.8 dB @ 233.00MHz	N/A	> 35.8 dB	17.0 dB
3,6-1,2	DH	OK	45.0 dB @ 236.00MHz	N/A	> 35.7 dB	9.3 dB
5,4-1,2	DH	OK	48.1 dB @ 194.50MHz	N/A	> 37.1 dB	11.0 dB
7,8-3,6	RH	OK	45.4 dB @ 249.50MHz	N/A	> 35.3 dB	10.1 dB
7,8-5,4	RH	OK	46.0 dB @ 240.00MHz	N/A	> 35.6 dB	10.4 dB
7,8-1,2	RH	OK	50.6 dB @ 198.50MHz	N/A	> 37.0 dB	13.6 dB
3,6-5,4	RH	OK	51.2 dB @ 173.50MHz	N/A	> 37.9 dB	13.3 dB
3,6-1,2	RH	OK	45.6 dB @ 224.50MHz	N/A	> 36.1 dB	9.5 dB
5,4-1,2	RH	OK	49.2 dB @ 208.50MHz	N/A	> 36.6 dB	12.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.6 dB @ 227.50MHz	N/A	> 10.4 dB	4.2 dB
3,6	DH	OK	15.5 dB @ 229.50MHz	N/A	> 10.4 dB	5.1 dB
5,4	DH	OK	17.4 dB @ 225.50MHz	N/A	> 10.5 dB	6.9 dB
1,2	DH	OK	15.5 dB @ 227.00MHz	N/A	> 10.4 dB	5.1 dB
7,8	RH	OK	13.7 dB @ 227.50MHz	N/A	> 10.4 dB	3.3 dB
3,6	RH	OK	15.1 dB @ 222.50MHz	N/A	> 10.5 dB	4.6 dB
5,4	RH	OK	17.1 dB @ 219.00MHz	N/A	> 10.6 dB	6.5 dB
1,2	RH	OK	16.0 dB @ 227.00MHz	N/A	> 10.4 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.0 dB @ 249.50MHz	N/A	< 31.1 dB	20.1 dB
3,6	OK	11.5 dB @ 237.50MHz	N/A	< 30.2 dB	18.7 dB
5,4	OK	11.6 dB @ 239.00MHz	N/A	< 30.3 dB	18.7 dB
1,2	OK	11.2 dB @ 250.00MHz	N/A	< 31.2 dB	20.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.8 dB @ 249.50MHz	N/A	>= 4.2 dB	26.6 dB
3,6	DH	OK	30.6 dB @ 250.00MHz	N/A	>= 4.1 dB	26.5 dB
5,4	DH	OK	37.3 dB @ 232.50MHz	N/A	>= 5.9 dB	31.4 dB
1,2	DH	OK	34.3 dB @ 250.00MHz	N/A	>= 4.1 dB	30.2 dB
7,8	RH	OK	34.4 dB @ 249.50MHz	N/A	>= 4.2 dB	30.2 dB
3,6	RH	OK	34.3 dB @ 250.00MHz	N/A	>= 4.1 dB	30.2 dB
5,4	RH	OK	35.1 dB @ 239.00MHz	N/A	>= 5.3 dB	29.8 dB
1,2	RH	OK	35.3 dB @ 224.50MHz	N/A	>= 6.8 dB	28.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0013  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:58:00  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.7 dB @ 250.00MHz	N/A	> 16.2 dB	19.5 dB
7,8-5,4	DH	OK	43.6 dB @ 212.00MHz	N/A	> 17.6 dB	26.0 dB
7,8-1,2	DH	OK	40.6 dB @ 250.00MHz	N/A	> 16.2 dB	24.4 dB
3,6-7,8	DH	OK	35.9 dB @ 241.00MHz	N/A	> 16.5 dB	19.4 dB
3,6-5,4	DH	OK	33.7 dB @ 250.00MHz	N/A	> 16.2 dB	17.5 dB
3,6-1,2	DH	OK	41.2 dB @ 183.50MHz	N/A	> 18.9 dB	22.3 dB
5,4-7,8	DH	OK	42.1 dB @ 207.00MHz	N/A	> 17.8 dB	24.3 dB
5,4-3,6	DH	OK	34.7 dB @ 250.00MHz	N/A	> 16.2 dB	18.5 dB
5,4-1,2	DH	OK	38.6 dB @ 250.00MHz	N/A	> 16.2 dB	22.4 dB
1,2-7,8	DH	OK	41.7 dB @ 217.00MHz	N/A	> 17.4 dB	24.3 dB
1,2-3,6	DH	OK	41.6 dB @ 232.00MHz	N/A	> 16.9 dB	24.7 dB
1,2-5,4	DH	OK	39.1 dB @ 239.00MHz	N/A	> 16.6 dB	22.5 dB
7,8-3,6	RH	OK	36.0 dB @ 249.50MHz	N/A	> 16.2 dB	19.8 dB
7,8-5,4	RH	OK	43.9 dB @ 211.00MHz	N/A	> 17.7 dB	26.2 dB
7,8-1,2	RH	OK	41.1 dB @ 249.50MHz	N/A	> 16.2 dB	24.9 dB
3,6-7,8	RH	OK	35.5 dB @ 250.00MHz	N/A	> 16.2 dB	19.3 dB
3,6-5,4	RH	OK	33.7 dB @ 250.00MHz	N/A	> 16.2 dB	17.5 dB
3,6-1,2	RH	OK	40.5 dB @ 179.50MHz	N/A	> 19.1 dB	21.4 dB
5,4-7,8	RH	OK	41.8 dB @ 207.00MHz	N/A	> 17.8 dB	24.0 dB
5,4-3,6	RH	OK	34.7 dB @ 250.00MHz	N/A	> 16.2 dB	18.5 dB
5,4-1,2	RH	OK	38.6 dB @ 250.00MHz	N/A	> 16.2 dB	22.4 dB
1,2-7,8	RH	OK	42.2 dB @ 222.50MHz	N/A	> 17.2 dB	25.0 dB
1,2-3,6	RH	OK	42.2 dB @ 232.00MHz	N/A	> 16.9 dB	25.3 dB
1,2-5,4	RH	OK	39.3 dB @ 250.00MHz	N/A	> 16.2 dB	23.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 244.00MHz	N/A	> 32.5 dB	8.7 dB
3,6	DH	OK	40.1 dB @ 250.00MHz	N/A	> 32.3 dB	7.8 dB
5,4	DH	OK	46.5 dB @ 247.00MHz	N/A	> 32.4 dB	14.1 dB
1,2	DH	OK	44.0 dB @ 250.00MHz	N/A	> 32.3 dB	11.7 dB
7,8	RH	OK	43.4 dB @ 250.00MHz	N/A	> 32.3 dB	11.1 dB
3,6	RH	OK	42.9 dB @ 250.00MHz	N/A	> 32.3 dB	10.6 dB
5,4	RH	OK	45.2 dB @ 240.00MHz	N/A	> 32.6 dB	12.6 dB
1,2	RH	OK	44.8 dB @ 224.50MHz	N/A	> 33.1 dB	11.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.5 dB @ 249.50MHz	N/A	>= 1.2 dB	29.3 dB
3,6	DH	OK	28.9 dB @ 250.00MHz	N/A	>= 1.1 dB	27.8 dB
5,4	DH	OK	35.3 dB @ 243.50MHz	N/A	>= 1.8 dB	33.5 dB
1,2	DH	OK	32.8 dB @ 250.00MHz	N/A	>= 1.1 dB	31.7 dB
7,8	RH	OK	32.4 dB @ 249.50MHz	N/A	>= 1.2 dB	31.2 dB
3,6	RH	OK	31.7 dB @ 250.00MHz	N/A	>= 1.1 dB	30.6 dB
5,4	RH	OK	34.4 dB @ 240.00MHz	N/A	>= 2.2 dB	32.2 dB
1,2	RH	OK	34.0 dB @ 250.00MHz	N/A	>= 1.1 dB	32.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.8 dB @ 241.00MHz	N/A	>= 13.5 dB	21.3 dB
3,6	DH	OK	32.0 dB @ 250.00MHz	N/A	>= 13.2 dB	18.8 dB
5,4	DH	OK	32.4 dB @ 250.00MHz	N/A	>= 13.2 dB	19.2 dB
1,2	DH	OK	36.1 dB @ 250.00MHz	N/A	>= 13.2 dB	22.9 dB
7,8	RH	OK	34.5 dB @ 249.50MHz	N/A	>= 13.2 dB	21.3 dB
3,6	RH	OK	31.3 dB @ 250.00MHz	N/A	>= 13.2 dB	18.1 dB
5,4	RH	OK	33.0 dB @ 250.00MHz	N/A	>= 13.2 dB	19.8 dB
1,2	RH	OK	36.9 dB @ 232.00MHz	N/A	>= 13.9 dB	23.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

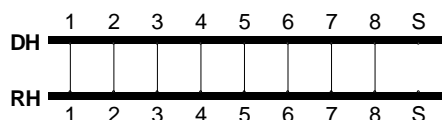
**OK**

ID cavo 1: 0014  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:59:05  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	30.5m	31.4m	32.1m	30.7m	< 90.0m	OK
Ritardo di propag.	156.3ns	160.4ns	163.9ns	157.0ns	< 510.0ns	OK
Diff. t. ritardo	7.6ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	98.4 Ohm	98.3 Ohm	97.4 Ohm	100.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.8 Ohm	7.6 Ohm	9.3 Ohm	7.1 Ohm	< 20.0 Ohm	OK
Capacità	48.0pF/m	48.0pF/m	48.6pF/m	47.1pF/m	< 66.0pF/m	OK
Riserva	5.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.7 dB @ 243.00MHz	N/A	> 35.5 dB	6.2 dB
7,8-5,4	DH	OK	52.3 dB @ 229.00MHz	N/A	> 35.9 dB	16.4 dB
7,8-1,2	DH	OK	57.7 dB @ 230.50MHz	N/A	> 35.9 dB	21.8 dB
3,6-5,4	DH	OK	50.1 dB @ 229.50MHz	N/A	> 35.9 dB	14.2 dB
3,6-1,2	DH	OK	44.4 dB @ 250.00MHz	N/A	> 35.3 dB	9.1 dB
5,4-1,2	DH	OK	46.8 dB @ 248.00MHz	N/A	> 35.4 dB	11.4 dB
7,8-3,6	RH	OK	45.7 dB @ 234.00MHz	N/A	> 35.8 dB	9.9 dB
7,8-5,4	RH	OK	45.5 dB @ 229.50MHz	N/A	> 35.9 dB	9.6 dB
7,8-1,2	RH	OK	51.1 dB @ 247.00MHz	N/A	> 35.4 dB	15.7 dB
3,6-5,4	RH	OK	49.8 dB @ 226.50MHz	N/A	> 36.0 dB	13.8 dB
3,6-1,2	RH	OK	45.9 dB @ 224.00MHz	N/A	> 36.1 dB	9.8 dB
5,4-1,2	RH	OK	50.7 dB @ 249.50MHz	N/A	> 35.3 dB	15.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 228.00MHz	N/A	> 10.4 dB	5.5 dB
3,6	DH	OK	16.0 dB @ 229.00MHz	N/A	> 10.4 dB	5.6 dB
5,4	DH	OK	17.2 dB @ 234.00MHz	N/A	> 10.3 dB	6.9 dB
1,2	DH	OK	17.9 dB @ 226.50MHz	N/A	> 10.4 dB	7.5 dB
7,8	RH	OK	15.3 dB @ 217.50MHz	N/A	> 10.6 dB	4.7 dB
3,6	RH	OK	15.8 dB @ 219.00MHz	N/A	> 10.6 dB	5.2 dB
5,4	RH	OK	17.6 dB @ 237.00MHz	N/A	> 10.2 dB	7.4 dB
1,2	RH	OK	16.5 dB @ 219.50MHz	N/A	> 10.6 dB	5.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	10.9 dB @ 246.50MHz	N/A	< 30.9 dB	20.0 dB
3,6	OK	11.4 dB @ 248.50MHz	N/A	< 31.0 dB	19.6 dB
5,4	OK	11.8 dB @ 250.00MHz	N/A	< 31.2 dB	19.4 dB
1,2	OK	11.0 dB @ 222.50MHz	N/A	< 29.1 dB	18.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	31.0 dB @ 243.00MHz	N/A	>= 4.9 dB	26.1 dB
3,6	DH	OK	30.8 dB @ 235.00MHz	N/A	>= 5.8 dB	25.0 dB
5,4	DH	OK	35.6 dB @ 248.00MHz	N/A	>= 4.4 dB	31.2 dB
1,2	DH	OK	34.4 dB @ 250.00MHz	N/A	>= 4.1 dB	30.3 dB
7,8	RH	OK	35.4 dB @ 234.50MHz	N/A	>= 5.8 dB	29.6 dB
3,6	RH	OK	35.0 dB @ 234.00MHz	N/A	>= 5.8 dB	29.2 dB
5,4	RH	OK	33.9 dB @ 230.00MHz	N/A	>= 6.2 dB	27.7 dB
1,2	RH	OK	35.9 dB @ 222.50MHz	N/A	>= 7.0 dB	28.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0014  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 09:59:05  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.2 dB @ 248.50MHz	N/A	> 16.3 dB	14.9 dB
7,8-5,4	DH	OK	44.2 dB @ 166.50MHz	N/A	> 19.7 dB	24.5 dB
7,8-1,2	DH	OK	45.9 dB @ 156.50MHz	N/A	> 20.3 dB	25.6 dB
3,6-7,8	DH	OK	32.0 dB @ 249.50MHz	N/A	> 16.2 dB	15.8 dB
3,6-5,4	DH	OK	32.9 dB @ 250.00MHz	N/A	> 16.2 dB	16.7 dB
3,6-1,2	DH	OK	40.9 dB @ 249.00MHz	N/A	> 16.2 dB	24.7 dB
5,4-7,8	DH	OK	42.5 dB @ 217.00MHz	N/A	> 17.4 dB	25.1 dB
5,4-3,6	DH	OK	33.8 dB @ 248.50MHz	N/A	> 16.3 dB	17.5 dB
5,4-1,2	DH	OK	37.9 dB @ 247.50MHz	N/A	> 16.3 dB	21.6 dB
1,2-7,8	DH	OK	45.4 dB @ 151.50MHz	N/A	> 20.5 dB	24.9 dB
1,2-3,6	DH	OK	40.8 dB @ 243.50MHz	N/A	> 16.4 dB	24.4 dB
1,2-5,4	DH	OK	36.7 dB @ 250.00MHz	N/A	> 16.2 dB	20.5 dB
7,8-3,6	RH	OK	31.9 dB @ 250.00MHz	N/A	> 16.2 dB	15.7 dB
7,8-5,4	RH	OK	44.4 dB @ 167.00MHz	N/A	> 19.7 dB	24.7 dB
7,8-1,2	RH	OK	45.6 dB @ 153.50MHz	N/A	> 20.4 dB	25.2 dB
3,6-7,8	RH	OK	31.7 dB @ 249.00MHz	N/A	> 16.2 dB	15.5 dB
3,6-5,4	RH	OK	33.3 dB @ 248.50MHz	N/A	> 16.3 dB	17.0 dB
3,6-1,2	RH	OK	40.0 dB @ 249.00MHz	N/A	> 16.2 dB	23.8 dB
5,4-7,8	RH	OK	42.1 dB @ 214.00MHz	N/A	> 17.6 dB	24.5 dB
5,4-3,6	RH	OK	33.6 dB @ 250.00MHz	N/A	> 16.2 dB	17.4 dB
5,4-1,2	RH	OK	36.5 dB @ 250.00MHz	N/A	> 16.2 dB	20.3 dB
1,2-7,8	RH	OK	45.6 dB @ 151.50MHz	N/A	> 20.5 dB	25.1 dB
1,2-3,6	RH	OK	41.4 dB @ 247.50MHz	N/A	> 16.3 dB	25.1 dB
1,2-5,4	RH	OK	38.1 dB @ 249.50MHz	N/A	> 16.2 dB	21.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.5 dB @ 235.50MHz	N/A	> 32.7 dB	8.8 dB
3,6	DH	OK	39.8 dB @ 250.00MHz	N/A	> 32.3 dB	7.5 dB
5,4	DH	OK	46.4 dB @ 248.00MHz	N/A	> 32.4 dB	14.0 dB
1,2	DH	OK	42.9 dB @ 250.00MHz	N/A	> 32.3 dB	10.6 dB
7,8	RH	OK	42.7 dB @ 234.00MHz	N/A	> 32.8 dB	9.9 dB
3,6	RH	OK	43.1 dB @ 235.00MHz	N/A	> 32.8 dB	10.3 dB
5,4	RH	OK	44.3 dB @ 229.50MHz	N/A	> 32.9 dB	11.4 dB
1,2	RH	OK	45.0 dB @ 216.00MHz	N/A	> 33.4 dB	11.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.9 dB @ 243.00MHz	N/A	>= 1.9 dB	29.0 dB
3,6	DH	OK	28.9 dB @ 250.00MHz	N/A	>= 1.1 dB	27.8 dB
5,4	DH	OK	35.2 dB @ 248.00MHz	N/A	>= 1.4 dB	33.8 dB
1,2	DH	OK	32.6 dB @ 247.50MHz	N/A	>= 1.4 dB	31.2 dB
7,8	RH	OK	32.4 dB @ 234.50MHz	N/A	>= 2.8 dB	29.6 dB
3,6	RH	OK	32.1 dB @ 235.00MHz	N/A	>= 2.8 dB	29.3 dB
5,4	RH	OK	32.7 dB @ 230.00MHz	N/A	>= 3.2 dB	29.5 dB
1,2	RH	OK	34.9 dB @ 222.50MHz	N/A	>= 4.0 dB	30.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.8 dB @ 249.50MHz	N/A	>= 13.2 dB	18.6 dB
3,6	DH	OK	29.0 dB @ 248.50MHz	N/A	>= 13.3 dB	15.7 dB
5,4	DH	OK	31.3 dB @ 250.00MHz	N/A	>= 13.2 dB	18.1 dB
1,2	DH	OK	36.1 dB @ 249.50MHz	N/A	>= 13.2 dB	22.9 dB
7,8	RH	OK	31.7 dB @ 250.00MHz	N/A	>= 13.2 dB	18.5 dB
3,6	RH	OK	29.0 dB @ 248.50MHz	N/A	>= 13.3 dB	15.7 dB
5,4	RH	OK	31.7 dB @ 250.00MHz	N/A	>= 13.2 dB	18.5 dB
1,2	RH	OK	36.4 dB @ 248.50MHz	N/A	>= 13.3 dB	23.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0015  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:00:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	30.9m	31.8m	32.5m	30.9m	< 90.0m	OK
Ritardo di propag.	158.0ns	162.5ns	165.8ns	158.1ns	< 510.0ns	OK
Diff. t. ritardo	7.8ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	98.3 Ohm	97.6 Ohm	94.8 Ohm	99.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.7 Ohm	7.4 Ohm	9.0 Ohm	6.9 Ohm	< 20.0 Ohm	OK
Capacità	48.0pF/m	48.4pF/m	49.9pF/m	47.4pF/m	< 66.0pF/m	OK
Riserva	5.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.2 dB @ 236.50MHz	N/A	> 35.7 dB	6.5 dB
7,8-5,4	DH	OK	50.7 dB @ 229.00MHz	N/A	> 35.9 dB	14.8 dB
7,8-1,2	DH	OK	60.5 dB @ 218.50MHz	N/A	> 36.3 dB	24.2 dB
3,6-5,4	DH	OK	53.7 dB @ 233.00MHz	N/A	> 35.8 dB	17.9 dB
3,6-1,2	DH	OK	46.4 dB @ 225.50MHz	N/A	> 36.0 dB	10.4 dB
5,4-1,2	DH	OK	46.2 dB @ 250.00MHz	N/A	> 35.3 dB	10.9 dB
7,8-3,6	RH	OK	47.7 dB @ 178.50MHz	N/A	> 37.7 dB	10.0 dB
7,8-5,4	RH	OK	46.1 dB @ 230.50MHz	N/A	> 35.9 dB	10.2 dB
7,8-1,2	RH	OK	49.9 dB @ 234.00MHz	N/A	> 35.8 dB	14.1 dB
3,6-5,4	RH	OK	49.6 dB @ 249.50MHz	N/A	> 35.3 dB	14.3 dB
3,6-1,2	RH	OK	47.9 dB @ 204.00MHz	N/A	> 36.8 dB	11.1 dB
5,4-1,2	RH	OK	49.0 dB @ 245.50MHz	N/A	> 35.4 dB	13.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 234.50MHz	N/A	> 10.3 dB	5.6 dB
3,6	DH	OK	15.0 dB @ 229.00MHz	N/A	> 10.4 dB	4.6 dB
5,4	DH	OK	16.8 dB @ 225.50MHz	N/A	> 10.5 dB	6.3 dB
1,2	DH	OK	16.6 dB @ 220.50MHz	N/A	> 10.6 dB	6.0 dB
7,8	RH	OK	16.0 dB @ 218.00MHz	N/A	> 10.6 dB	5.4 dB
3,6	RH	OK	15.9 dB @ 229.00MHz	N/A	> 10.4 dB	5.5 dB
5,4	RH	OK	17.2 dB @ 225.00MHz	N/A	> 10.5 dB	6.7 dB
1,2	RH	OK	14.6 dB @ 234.00MHz	N/A	> 10.3 dB	4.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.1 dB @ 245.50MHz	N/A	< 30.8 dB	19.7 dB
3,6	OK	11.5 dB @ 247.50MHz	N/A	< 31.0 dB	19.5 dB
5,4	OK	12.0 dB @ 243.00MHz	N/A	< 30.6 dB	18.6 dB
1,2	OK	11.4 dB @ 249.00MHz	N/A	< 31.1 dB	19.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	31.7 dB @ 233.50MHz	N/A	>= 5.9 dB	25.8 dB
3,6	DH	OK	31.2 dB @ 233.00MHz	N/A	>= 5.9 dB	25.3 dB
5,4	DH	OK	35.0 dB @ 249.50MHz	N/A	>= 4.2 dB	30.8 dB
1,2	DH	OK	36.1 dB @ 250.00MHz	N/A	>= 4.1 dB	32.0 dB
7,8	RH	OK	36.0 dB @ 233.00MHz	N/A	>= 5.9 dB	30.1 dB
3,6	RH	OK	37.7 dB @ 226.00MHz	N/A	>= 6.6 dB	31.1 dB
5,4	RH	OK	35.1 dB @ 240.50MHz	N/A	>= 5.2 dB	29.9 dB
1,2	RH	OK	38.0 dB @ 226.50MHz	N/A	>= 6.6 dB	31.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0015  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:00:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.8 dB @ 247.50MHz	N/A	> 16.3 dB	19.5 dB
7,8-5,4	DH	OK	39.8 dB @ 209.50MHz	N/A	> 17.7 dB	22.1 dB
7,8-1,2	DH	OK	49.0 dB @ 145.50MHz	N/A	> 20.9 dB	28.1 dB
3,6-7,8	DH	OK	35.3 dB @ 233.50MHz	N/A	> 16.8 dB	18.5 dB
3,6-5,4	DH	OK	32.4 dB @ 243.00MHz	N/A	> 16.5 dB	15.9 dB
3,6-1,2	DH	OK	44.0 dB @ 247.00MHz	N/A	> 16.3 dB	27.7 dB
5,4-7,8	DH	OK	40.0 dB @ 206.50MHz	N/A	> 17.9 dB	22.1 dB
5,4-3,6	DH	OK	33.3 dB @ 247.00MHz	N/A	> 16.3 dB	17.0 dB
5,4-1,2	DH	OK	40.1 dB @ 249.00MHz	N/A	> 16.2 dB	23.9 dB
1,2-7,8	DH	OK	48.4 dB @ 118.50MHz	N/A	> 22.7 dB	25.7 dB
1,2-3,6	DH	OK	41.4 dB @ 232.00MHz	N/A	> 16.9 dB	24.5 dB
1,2-5,4	DH	OK	38.5 dB @ 243.00MHz	N/A	> 16.5 dB	22.0 dB
7,8-3,6	RH	OK	36.6 dB @ 249.50MHz	N/A	> 16.2 dB	20.4 dB
7,8-5,4	RH	OK	40.8 dB @ 209.50MHz	N/A	> 17.7 dB	23.1 dB
7,8-1,2	RH	OK	48.8 dB @ 145.50MHz	N/A	> 20.9 dB	27.9 dB
3,6-7,8	RH	OK	35.2 dB @ 237.50MHz	N/A	> 16.7 dB	18.5 dB
3,6-5,4	RH	OK	32.3 dB @ 247.50MHz	N/A	> 16.3 dB	16.0 dB
3,6-1,2	RH	OK	43.4 dB @ 245.50MHz	N/A	> 16.4 dB	27.0 dB
5,4-7,8	RH	OK	39.2 dB @ 209.50MHz	N/A	> 17.7 dB	21.5 dB
5,4-3,6	RH	OK	32.9 dB @ 243.00MHz	N/A	> 16.5 dB	16.4 dB
5,4-1,2	RH	OK	38.9 dB @ 243.00MHz	N/A	> 16.5 dB	22.4 dB
1,2-7,8	RH	OK	48.5 dB @ 118.50MHz	N/A	> 22.7 dB	25.8 dB
1,2-3,6	RH	OK	41.6 dB @ 232.00MHz	N/A	> 16.9 dB	24.7 dB
1,2-5,4	RH	OK	38.9 dB @ 249.00MHz	N/A	> 16.2 dB	22.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.9 dB @ 233.50MHz	N/A	> 32.8 dB	9.1 dB
3,6	DH	OK	41.3 dB @ 236.50MHz	N/A	> 32.7 dB	8.6 dB
5,4	DH	OK	45.8 dB @ 250.00MHz	N/A	> 32.3 dB	13.5 dB
1,2	DH	OK	44.2 dB @ 250.00MHz	N/A	> 32.3 dB	11.9 dB
7,8	RH	OK	43.8 dB @ 230.50MHz	N/A	> 32.9 dB	10.9 dB
3,6	RH	OK	45.1 dB @ 226.00MHz	N/A	> 33.0 dB	12.1 dB
5,4	RH	OK	44.8 dB @ 249.00MHz	N/A	> 32.3 dB	12.5 dB
1,2	RH	OK	46.0 dB @ 202.50MHz	N/A	> 33.8 dB	12.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.2 dB @ 233.50MHz	N/A	>= 2.9 dB	28.3 dB
3,6	DH	OK	30.0 dB @ 247.50MHz	N/A	>= 1.4 dB	28.6 dB
5,4	DH	OK	34.8 dB @ 249.50MHz	N/A	>= 1.2 dB	33.6 dB
1,2	DH	OK	33.1 dB @ 249.00MHz	N/A	>= 1.2 dB	31.9 dB
7,8	RH	OK	33.7 dB @ 231.00MHz	N/A	>= 3.1 dB	30.6 dB
3,6	RH	OK	34.6 dB @ 226.00MHz	N/A	>= 3.6 dB	31.0 dB
5,4	RH	OK	33.4 dB @ 249.50MHz	N/A	>= 1.2 dB	32.2 dB
1,2	RH	OK	35.7 dB @ 249.00MHz	N/A	>= 1.2 dB	34.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.6 dB @ 233.50MHz	N/A	>= 13.8 dB	20.8 dB
3,6	DH	OK	31.3 dB @ 247.50MHz	N/A	>= 13.3 dB	18.0 dB
5,4	DH	OK	31.2 dB @ 243.00MHz	N/A	>= 13.5 dB	17.7 dB
1,2	DH	OK	38.3 dB @ 249.00MHz	N/A	>= 13.2 dB	25.1 dB
7,8	RH	OK	36.0 dB @ 249.50MHz	N/A	>= 13.2 dB	22.8 dB
3,6	RH	OK	30.3 dB @ 247.50MHz	N/A	>= 13.3 dB	17.0 dB
5,4	RH	OK	31.6 dB @ 243.00MHz	N/A	>= 13.5 dB	18.1 dB
1,2	RH	OK	37.7 dB @ 249.00MHz	N/A	>= 13.2 dB	24.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0016  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:01:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	31.0m	31.9m	32.6m	31.0m	< 90.0m	OK
Ritardo di propag.	158.6ns	162.7ns	166.0ns	158.6ns	< 510.0ns	OK
Diff. t. ritardo	7.4ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.8 Ohm	98.3 Ohm	95.2 Ohm	100.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.7 Ohm	7.3 Ohm	9.0 Ohm	7.0 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	48.0pF/m	49.6pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	3.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.8 dB @ 243.00MHz	N/A	> 35.5 dB	5.3 dB
7,8-5,4	DH	OK	52.2 dB @ 236.50MHz	N/A	> 35.7 dB	16.5 dB
7,8-1,2	DH	OK	57.9 dB @ 169.00MHz	N/A	> 38.1 dB	19.8 dB
3,6-5,4	DH	OK	51.6 dB @ 232.50MHz	N/A	> 35.8 dB	15.8 dB
3,6-1,2	DH	OK	44.6 dB @ 228.50MHz	N/A	> 36.0 dB	8.6 dB
5,4-1,2	DH	OK	48.4 dB @ 250.00MHz	N/A	> 35.3 dB	13.1 dB
7,8-3,6	RH	OK	45.5 dB @ 228.00MHz	N/A	> 36.0 dB	9.5 dB
7,8-5,4	RH	OK	45.0 dB @ 237.00MHz	N/A	> 35.7 dB	9.3 dB
7,8-1,2	RH	OK	50.5 dB @ 202.50MHz	N/A	> 36.8 dB	13.7 dB
3,6-5,4	RH	OK	51.6 dB @ 153.50MHz	N/A	> 38.8 dB	12.8 dB
3,6-1,2	RH	OK	43.3 dB @ 235.00MHz	N/A	> 35.8 dB	7.5 dB
5,4-1,2	RH	OK	51.1 dB @ 248.00MHz	N/A	> 35.4 dB	15.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.7 dB @ 223.50MHz	N/A	> 10.5 dB	5.2 dB
3,6	DH	OK	16.5 dB @ 232.00MHz	N/A	> 10.3 dB	6.2 dB
5,4	DH	OK	16.5 dB @ 231.00MHz	N/A	> 10.4 dB	6.1 dB
1,2	DH	OK	17.2 dB @ 216.50MHz	N/A	> 10.6 dB	6.6 dB
7,8	RH	OK	15.0 dB @ 224.50MHz	N/A	> 10.5 dB	4.5 dB
3,6	RH	OK	16.2 dB @ 216.00MHz	N/A	> 10.6 dB	5.6 dB
5,4	RH	OK	17.4 dB @ 231.00MHz	N/A	> 10.4 dB	7.0 dB
1,2	RH	OK	15.6 dB @ 164.50MHz	N/A	> 11.8 dB	3.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.6 dB @ 224.00MHz	N/A	< 29.2 dB	17.6 dB
3,6	OK	11.7 dB @ 246.50MHz	N/A	< 30.9 dB	19.2 dB
5,4	OK	11.6 dB @ 247.00MHz	N/A	< 30.9 dB	19.3 dB
1,2	OK	10.5 dB @ 248.00MHz	N/A	< 31.0 dB	20.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.7 dB @ 242.00MHz	N/A	>= 4.9 dB	25.8 dB
3,6	DH	OK	29.7 dB @ 242.00MHz	N/A	>= 4.9 dB	24.8 dB
5,4	DH	OK	37.2 dB @ 248.50MHz	N/A	>= 4.4 dB	32.8 dB
1,2	DH	OK	34.9 dB @ 228.50MHz	N/A	>= 6.4 dB	28.5 dB
7,8	RH	OK	34.4 dB @ 224.00MHz	N/A	>= 6.9 dB	27.5 dB
3,6	RH	OK	32.6 dB @ 235.00MHz	N/A	>= 5.8 dB	26.8 dB
5,4	RH	OK	33.6 dB @ 236.50MHz	N/A	>= 5.5 dB	28.1 dB
1,2	RH	OK	33.6 dB @ 235.00MHz	N/A	>= 5.8 dB	27.8 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0016  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:01:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.7 dB @ 249.50MHz	N/A	> 16.2 dB	17.5 dB
7,8-5,4	DH	OK	43.2 dB @ 217.00MHz	N/A	> 17.4 dB	25.8 dB
7,8-1,2	DH	OK	41.9 dB @ 233.50MHz	N/A	> 16.8 dB	25.1 dB
3,6-7,8	DH	OK	35.1 dB @ 250.00MHz	N/A	> 16.2 dB	18.9 dB
3,6-5,4	DH	OK	34.4 dB @ 248.50MHz	N/A	> 16.3 dB	18.1 dB
3,6-1,2	DH	OK	44.4 dB @ 173.50MHz	N/A	> 19.4 dB	25.0 dB
5,4-7,8	DH	OK	42.2 dB @ 211.50MHz	N/A	> 17.7 dB	24.5 dB
5,4-3,6	DH	OK	35.1 dB @ 246.50MHz	N/A	> 16.3 dB	18.8 dB
5,4-1,2	DH	OK	39.0 dB @ 248.00MHz	N/A	> 16.3 dB	22.7 dB
1,2-7,8	DH	OK	42.1 dB @ 246.00MHz	N/A	> 16.3 dB	25.8 dB
1,2-3,6	DH	OK	45.4 dB @ 173.00MHz	N/A	> 19.4 dB	26.0 dB
1,2-5,4	DH	OK	37.7 dB @ 248.50MHz	N/A	> 16.3 dB	21.4 dB
7,8-3,6	RH	OK	34.3 dB @ 250.00MHz	N/A	> 16.2 dB	18.1 dB
7,8-5,4	RH	OK	43.6 dB @ 218.50MHz	N/A	> 17.4 dB	26.2 dB
7,8-1,2	RH	OK	40.9 dB @ 224.00MHz	N/A	> 17.2 dB	23.7 dB
3,6-7,8	RH	OK	34.3 dB @ 249.50MHz	N/A	> 16.2 dB	18.1 dB
3,6-5,4	RH	OK	34.7 dB @ 247.50MHz	N/A	> 16.3 dB	18.4 dB
3,6-1,2	RH	OK	43.6 dB @ 173.00MHz	N/A	> 19.4 dB	24.2 dB
5,4-7,8	RH	OK	41.7 dB @ 212.00MHz	N/A	> 17.6 dB	24.1 dB
5,4-3,6	RH	OK	35.1 dB @ 247.50MHz	N/A	> 16.3 dB	18.8 dB
5,4-1,2	RH	OK	38.0 dB @ 247.00MHz	N/A	> 16.3 dB	21.7 dB
1,2-7,8	RH	OK	42.0 dB @ 248.00MHz	N/A	> 16.3 dB	25.7 dB
1,2-3,6	RH	OK	46.1 dB @ 177.00MHz	N/A	> 19.2 dB	26.9 dB
1,2-5,4	RH	OK	38.8 dB @ 248.50MHz	N/A	> 16.3 dB	22.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.6 dB @ 243.00MHz	N/A	> 32.5 dB	8.1 dB
3,6	DH	OK	39.5 dB @ 243.00MHz	N/A	> 32.5 dB	7.0 dB
5,4	DH	OK	47.1 dB @ 232.50MHz	N/A	> 32.8 dB	14.3 dB
1,2	DH	OK	44.0 dB @ 231.00MHz	N/A	> 32.9 dB	11.1 dB
7,8	RH	OK	42.7 dB @ 242.00MHz	N/A	> 32.5 dB	10.2 dB
3,6	RH	OK	41.6 dB @ 228.00MHz	N/A	> 33.0 dB	8.6 dB
5,4	RH	OK	44.2 dB @ 237.00MHz	N/A	> 32.7 dB	11.5 dB
1,2	RH	OK	43.0 dB @ 235.00MHz	N/A	> 32.8 dB	10.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.5 dB @ 243.00MHz	N/A	>= 1.9 dB	28.6 dB
3,6	DH	OK	28.5 dB @ 240.00MHz	N/A	>= 2.2 dB	26.3 dB
5,4	DH	OK	36.2 dB @ 235.50MHz	N/A	>= 2.6 dB	33.6 dB
1,2	DH	OK	34.3 dB @ 231.00MHz	N/A	>= 3.1 dB	31.2 dB
7,8	RH	OK	31.5 dB @ 224.00MHz	N/A	>= 3.9 dB	27.6 dB
3,6	RH	OK	30.6 dB @ 228.00MHz	N/A	>= 3.5 dB	27.1 dB
5,4	RH	OK	32.9 dB @ 236.50MHz	N/A	>= 2.5 dB	30.4 dB
1,2	RH	OK	33.3 dB @ 235.00MHz	N/A	>= 2.8 dB	30.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.0 dB @ 224.00MHz	N/A	>= 14.2 dB	19.8 dB
3,6	DH	OK	31.3 dB @ 246.50MHz	N/A	>= 13.3 dB	18.0 dB
5,4	DH	OK	32.5 dB @ 248.50MHz	N/A	>= 13.3 dB	19.2 dB
1,2	DH	OK	37.1 dB @ 226.50MHz	N/A	>= 14.1 dB	23.0 dB
7,8	RH	OK	33.2 dB @ 224.00MHz	N/A	>= 14.2 dB	19.0 dB
3,6	RH	OK	31.4 dB @ 247.50MHz	N/A	>= 13.3 dB	18.1 dB
5,4	RH	OK	33.1 dB @ 248.50MHz	N/A	>= 13.3 dB	19.8 dB
1,2	RH	OK	37.2 dB @ 248.50MHz	N/A	>= 13.3 dB	23.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

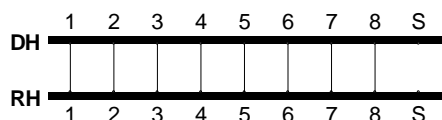
ID cavo 1: 0017  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:02:56  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	30.9m	31.9m	32.6m	31.0m	< 90.0m	OK
Ritardo di propag.	158.4ns	162.9ns	166.0ns	158.4ns	< 510.0ns	OK
Diff. t. ritardo	7.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.3 Ohm	97.9 Ohm	94.8 Ohm	99.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.7 Ohm	7.3 Ohm	9.1 Ohm	6.9 Ohm	< 20.0 Ohm	OK
Capacità	48.1pF/m	48.3pF/m	49.8pF/m	47.3pF/m	< 66.0pF/m	OK
Riserva	4.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.3 dB @ 243.50MHz	N/A	> 35.5 dB	5.8 dB
7,8-5,4	DH	OK	51.1 dB @ 237.00MHz	N/A	> 35.7 dB	15.4 dB
7,8-1,2	DH	OK	59.6 dB @ 220.50MHz	N/A	> 36.2 dB	23.4 dB
3,6-5,4	DH	OK	54.7 dB @ 226.50MHz	N/A	> 36.0 dB	18.7 dB
3,6-1,2	DH	OK	45.4 dB @ 221.00MHz	N/A	> 36.2 dB	9.2 dB
5,4-1,2	DH	OK	46.5 dB @ 250.00MHz	N/A	> 35.3 dB	11.2 dB
7,8-3,6	RH	OK	47.0 dB @ 224.00MHz	N/A	> 36.1 dB	10.9 dB
7,8-5,4	RH	OK	45.4 dB @ 187.00MHz	N/A	> 37.4 dB	8.0 dB
7,8-1,2	RH	OK	52.5 dB @ 226.50MHz	N/A	> 36.0 dB	16.5 dB
3,6-5,4	RH	OK	50.5 dB @ 235.50MHz	N/A	> 35.7 dB	14.8 dB
3,6-1,2	RH	OK	45.1 dB @ 240.50MHz	N/A	> 35.6 dB	9.5 dB
5,4-1,2	RH	OK	51.1 dB @ 244.50MHz	N/A	> 35.5 dB	15.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.9 dB @ 173.00MHz	N/A	> 11.6 dB	3.3 dB
3,6	DH	OK	15.1 dB @ 232.50MHz	N/A	> 10.3 dB	4.8 dB
5,4	DH	OK	17.1 dB @ 231.50MHz	N/A	> 10.3 dB	6.8 dB
1,2	DH	OK	17.2 dB @ 176.00MHz	N/A	> 11.5 dB	5.7 dB
7,8	RH	OK	13.8 dB @ 217.50MHz	N/A	> 10.6 dB	3.2 dB
3,6	RH	OK	14.7 dB @ 229.00MHz	N/A	> 10.4 dB	4.3 dB
5,4	RH	OK	18.1 dB @ 225.00MHz	N/A	> 10.5 dB	7.6 dB
1,2	RH	OK	16.1 dB @ 165.50MHz	N/A	> 11.8 dB	4.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.1 dB @ 248.00MHz	N/A	< 31.0 dB	19.9 dB
3,6	OK	11.6 dB @ 247.50MHz	N/A	< 31.0 dB	19.4 dB
5,4	OK	11.7 dB @ 248.00MHz	N/A	< 31.0 dB	19.3 dB
1,2	OK	10.7 dB @ 249.00MHz	N/A	< 31.1 dB	20.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	31.0 dB @ 243.50MHz	N/A	>= 4.8 dB	26.2 dB
3,6	DH	OK	30.0 dB @ 243.50MHz	N/A	>= 4.8 dB	25.2 dB
5,4	DH	OK	35.6 dB @ 250.00MHz	N/A	>= 4.1 dB	31.5 dB
1,2	DH	OK	35.5 dB @ 221.50MHz	N/A	>= 7.2 dB	28.3 dB
7,8	RH	OK	35.2 dB @ 230.00MHz	N/A	>= 6.2 dB	29.0 dB
3,6	RH	OK	34.1 dB @ 240.00MHz	N/A	>= 5.2 dB	28.9 dB
5,4	RH	OK	34.7 dB @ 236.50MHz	N/A	>= 5.5 dB	29.2 dB
1,2	RH	OK	34.9 dB @ 240.00MHz	N/A	>= 5.2 dB	29.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0017  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:02:56  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.6 dB @ 247.50MHz	N/A	> 16.3 dB	17.3 dB
7,8-5,4	DH	OK	42.0 dB @ 202.00MHz	N/A	> 18.1 dB	23.9 dB
7,8-1,2	DH	OK	43.8 dB @ 249.50MHz	N/A	> 16.2 dB	27.6 dB
3,6-7,8	DH	OK	33.0 dB @ 248.00MHz	N/A	> 16.3 dB	16.7 dB
3,6-5,4	DH	OK	34.4 dB @ 248.00MHz	N/A	> 16.3 dB	18.1 dB
3,6-1,2	DH	OK	41.4 dB @ 173.00MHz	N/A	> 19.4 dB	22.0 dB
5,4-7,8	DH	OK	40.6 dB @ 212.50MHz	N/A	> 17.6 dB	23.0 dB
5,4-3,6	DH	OK	35.0 dB @ 250.00MHz	N/A	> 16.2 dB	18.8 dB
5,4-1,2	DH	OK	36.5 dB @ 249.00MHz	N/A	> 16.2 dB	20.3 dB
1,2-7,8	DH	OK	43.9 dB @ 248.00MHz	N/A	> 16.3 dB	27.6 dB
1,2-3,6	DH	OK	40.7 dB @ 221.00MHz	N/A	> 17.3 dB	23.4 dB
1,2-5,4	DH	OK	35.1 dB @ 248.00MHz	N/A	> 16.3 dB	18.8 dB
7,8-3,6	RH	OK	34.0 dB @ 248.00MHz	N/A	> 16.3 dB	17.7 dB
7,8-5,4	RH	OK	42.6 dB @ 210.00MHz	N/A	> 17.7 dB	24.9 dB
7,8-1,2	RH	OK	43.5 dB @ 248.00MHz	N/A	> 16.3 dB	27.2 dB
3,6-7,8	RH	OK	32.5 dB @ 247.50MHz	N/A	> 16.3 dB	16.2 dB
3,6-5,4	RH	OK	34.6 dB @ 247.50MHz	N/A	> 16.3 dB	18.3 dB
3,6-1,2	RH	OK	40.9 dB @ 173.00MHz	N/A	> 19.4 dB	21.5 dB
5,4-7,8	RH	OK	39.9 dB @ 213.00MHz	N/A	> 17.6 dB	22.3 dB
5,4-3,6	RH	OK	34.5 dB @ 248.00MHz	N/A	> 16.3 dB	18.2 dB
5,4-1,2	RH	OK	35.6 dB @ 248.00MHz	N/A	> 16.3 dB	19.3 dB
1,2-7,8	RH	OK	44.3 dB @ 248.00MHz	N/A	> 16.3 dB	28.0 dB
1,2-3,6	RH	OK	41.6 dB @ 221.50MHz	N/A	> 17.3 dB	24.3 dB
1,2-5,4	RH	OK	35.9 dB @ 249.00MHz	N/A	> 16.2 dB	19.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 243.50MHz	N/A	> 32.5 dB	8.7 dB
3,6	DH	OK	40.2 dB @ 250.00MHz	N/A	> 32.3 dB	7.9 dB
5,4	DH	OK	46.2 dB @ 250.00MHz	N/A	> 32.3 dB	13.9 dB
1,2	DH	OK	43.5 dB @ 250.00MHz	N/A	> 32.3 dB	11.2 dB
7,8	RH	OK	43.4 dB @ 224.00MHz	N/A	> 33.1 dB	10.3 dB
3,6	RH	OK	43.2 dB @ 224.00MHz	N/A	> 33.1 dB	10.1 dB
5,4	RH	OK	44.3 dB @ 236.50MHz	N/A	> 32.7 dB	11.6 dB
1,2	RH	OK	43.9 dB @ 240.50MHz	N/A	> 32.6 dB	11.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.9 dB @ 243.50MHz	N/A	>= 1.8 dB	29.1 dB
3,6	DH	OK	29.0 dB @ 243.50MHz	N/A	>= 1.8 dB	27.2 dB
5,4	DH	OK	35.3 dB @ 250.00MHz	N/A	>= 1.1 dB	34.2 dB
1,2	DH	OK	33.4 dB @ 250.00MHz	N/A	>= 1.1 dB	32.3 dB
7,8	RH	OK	33.2 dB @ 223.50MHz	N/A	>= 3.9 dB	29.3 dB
3,6	RH	OK	32.6 dB @ 224.00MHz	N/A	>= 3.9 dB	28.7 dB
5,4	RH	OK	33.3 dB @ 236.50MHz	N/A	>= 2.5 dB	30.8 dB
1,2	RH	OK	33.8 dB @ 240.00MHz	N/A	>= 2.2 dB	31.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.4 dB @ 248.00MHz	N/A	>= 13.3 dB	19.1 dB
3,6	DH	OK	31.1 dB @ 247.50MHz	N/A	>= 13.3 dB	17.8 dB
5,4	DH	OK	31.5 dB @ 248.00MHz	N/A	>= 13.3 dB	18.2 dB
1,2	DH	OK	35.5 dB @ 249.00MHz	N/A	>= 13.2 dB	22.3 dB
7,8	RH	OK	33.3 dB @ 248.00MHz	N/A	>= 13.3 dB	20.0 dB
3,6	RH	OK	30.3 dB @ 247.50MHz	N/A	>= 13.3 dB	17.0 dB
5,4	RH	OK	31.7 dB @ 248.00MHz	N/A	>= 13.3 dB	18.4 dB
1,2	RH	OK	35.2 dB @ 249.00MHz	N/A	>= 13.2 dB	22.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0018  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:04:01  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	30.9m	31.8m	32.6m	31.0m	< 90.0m	OK
Ritardo di propag.	158.2ns	162.3ns	165.8ns	158.5ns	< 510.0ns	OK
Diff. t. ritardo	7.6ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	98.8 Ohm	98.4 Ohm	95.2 Ohm	100.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.9 Ohm	7.5 Ohm	9.3 Ohm	6.9 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	48.0pF/m	49.6pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	5.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.8 dB @ 235.50MHz	N/A	> 35.7 dB	6.1 dB
7,8-5,4	DH	OK	52.6 dB @ 216.00MHz	N/A	> 36.4 dB	16.2 dB
7,8-1,2	DH	OK	57.6 dB @ 207.50MHz	N/A	> 36.6 dB	21.0 dB
3,6-5,4	DH	OK	52.4 dB @ 233.50MHz	N/A	> 35.8 dB	16.6 dB
3,6-1,2	DH	OK	44.7 dB @ 250.00MHz	N/A	> 35.3 dB	9.4 dB
5,4-1,2	DH	OK	47.1 dB @ 249.50MHz	N/A	> 35.3 dB	11.8 dB
7,8-3,6	RH	OK	47.7 dB @ 213.50MHz	N/A	> 36.4 dB	11.3 dB
7,8-5,4	RH	OK	43.9 dB @ 234.50MHz	N/A	> 35.8 dB	8.1 dB
7,8-1,2	RH	OK	52.9 dB @ 236.50MHz	N/A	> 35.7 dB	17.2 dB
3,6-5,4	RH	OK	49.0 dB @ 229.50MHz	N/A	> 35.9 dB	13.1 dB
3,6-1,2	RH	OK	48.5 dB @ 235.50MHz	N/A	> 35.7 dB	12.8 dB
5,4-1,2	RH	OK	49.4 dB @ 248.00MHz	N/A	> 35.4 dB	14.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.9 dB @ 224.00MHz	N/A	> 10.5 dB	6.4 dB
3,6	DH	OK	15.9 dB @ 226.50MHz	N/A	> 10.4 dB	5.5 dB
5,4	DH	OK	15.8 dB @ 237.50MHz	N/A	> 10.2 dB	5.6 dB
1,2	DH	OK	17.1 dB @ 175.00MHz	N/A	> 11.6 dB	5.5 dB
7,8	RH	OK	14.0 dB @ 224.50MHz	N/A	> 10.5 dB	3.5 dB
3,6	RH	OK	16.0 dB @ 169.50MHz	N/A	> 11.7 dB	4.3 dB
5,4	RH	OK	16.9 dB @ 228.50MHz	N/A	> 10.4 dB	6.5 dB
1,2	RH	OK	16.5 dB @ 171.50MHz	N/A	> 11.6 dB	4.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	10.5 dB @ 227.50MHz	N/A	< 29.5 dB	19.0 dB
3,6	OK	11.5 dB @ 244.50MHz	N/A	< 30.7 dB	19.2 dB
5,4	OK	11.9 dB @ 242.50MHz	N/A	< 30.6 dB	18.7 dB
1,2	OK	10.8 dB @ 248.50MHz	N/A	< 31.0 dB	20.2 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	31.8 dB @ 235.00MHz	N/A	>= 5.8 dB	26.0 dB
3,6	DH	OK	31.0 dB @ 235.00MHz	N/A	>= 5.8 dB	25.2 dB
5,4	DH	OK	36.0 dB @ 249.50MHz	N/A	>= 4.2 dB	31.8 dB
1,2	DH	OK	34.4 dB @ 250.00MHz	N/A	>= 4.1 dB	30.3 dB
7,8	RH	OK	33.7 dB @ 234.50MHz	N/A	>= 5.8 dB	27.9 dB
3,6	RH	OK	37.4 dB @ 235.00MHz	N/A	>= 5.8 dB	31.6 dB
5,4	RH	OK	32.5 dB @ 236.50MHz	N/A	>= 5.5 dB	27.0 dB
1,2	RH	OK	38.7 dB @ 235.50MHz	N/A	>= 5.6 dB	33.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0018  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:04:01  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.1 dB @ 248.50MHz	N/A	> 16.3 dB	18.8 dB
7,8-5,4	DH	OK	42.3 dB @ 209.50MHz	N/A	> 17.7 dB	24.6 dB
7,8-1,2	DH	OK	37.9 dB @ 248.50MHz	N/A	> 16.3 dB	21.6 dB
3,6-7,8	DH	OK	36.0 dB @ 249.50MHz	N/A	> 16.2 dB	19.8 dB
3,6-5,4	DH	OK	32.8 dB @ 242.50MHz	N/A	> 16.5 dB	16.3 dB
3,6-1,2	DH	OK	44.8 dB @ 180.50MHz	N/A	> 19.0 dB	25.8 dB
5,4-7,8	DH	OK	41.3 dB @ 211.00MHz	N/A	> 17.7 dB	23.6 dB
5,4-3,6	DH	OK	34.3 dB @ 250.00MHz	N/A	> 16.2 dB	18.1 dB
5,4-1,2	DH	OK	38.0 dB @ 248.50MHz	N/A	> 16.3 dB	21.7 dB
1,2-7,8	DH	OK	38.9 dB @ 235.00MHz	N/A	> 16.7 dB	22.2 dB
1,2-3,6	DH	OK	49.2 dB @ 173.50MHz	N/A	> 19.4 dB	29.8 dB
1,2-5,4	DH	OK	36.7 dB @ 247.00MHz	N/A	> 16.3 dB	20.4 dB
7,8-3,6	RH	OK	35.9 dB @ 249.50MHz	N/A	> 16.2 dB	19.7 dB
7,8-5,4	RH	OK	42.9 dB @ 202.50MHz	N/A	> 18.0 dB	24.9 dB
7,8-1,2	RH	OK	38.3 dB @ 250.00MHz	N/A	> 16.2 dB	22.1 dB
3,6-7,8	RH	OK	35.4 dB @ 248.50MHz	N/A	> 16.3 dB	19.1 dB
3,6-5,4	RH	OK	33.1 dB @ 248.50MHz	N/A	> 16.3 dB	16.8 dB
3,6-1,2	RH	OK	43.9 dB @ 179.50MHz	N/A	> 19.1 dB	24.8 dB
5,4-7,8	RH	OK	40.6 dB @ 211.00MHz	N/A	> 17.7 dB	22.9 dB
5,4-3,6	RH	OK	34.0 dB @ 249.00MHz	N/A	> 16.2 dB	17.8 dB
5,4-1,2	RH	OK	37.2 dB @ 242.50MHz	N/A	> 16.5 dB	20.7 dB
1,2-7,8	RH	OK	38.8 dB @ 226.00MHz	N/A	> 17.1 dB	21.7 dB
1,2-3,6	RH	OK	49.8 dB @ 173.50MHz	N/A	> 19.4 dB	30.4 dB
1,2-5,4	RH	OK	37.2 dB @ 248.50MHz	N/A	> 16.3 dB	20.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.7 dB @ 235.50MHz	N/A	> 32.7 dB	9.0 dB
3,6	DH	OK	40.7 dB @ 235.50MHz	N/A	> 32.7 dB	8.0 dB
5,4	DH	OK	46.5 dB @ 249.50MHz	N/A	> 32.3 dB	14.2 dB
1,2	DH	OK	42.8 dB @ 250.00MHz	N/A	> 32.3 dB	10.5 dB
7,8	RH	OK	42.4 dB @ 234.50MHz	N/A	> 32.8 dB	9.6 dB
3,6	RH	OK	44.5 dB @ 235.50MHz	N/A	> 32.7 dB	11.8 dB
5,4	RH	OK	42.8 dB @ 236.50MHz	N/A	> 32.7 dB	10.1 dB
1,2	RH	OK	45.8 dB @ 250.00MHz	N/A	> 32.3 dB	13.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.7 dB @ 235.00MHz	N/A	>= 2.8 dB	28.9 dB
3,6	DH	OK	29.8 dB @ 235.00MHz	N/A	>= 2.8 dB	27.0 dB
5,4	DH	OK	35.4 dB @ 249.50MHz	N/A	>= 1.2 dB	34.2 dB
1,2	DH	OK	32.5 dB @ 250.00MHz	N/A	>= 1.1 dB	31.4 dB
7,8	RH	OK	32.1 dB @ 235.00MHz	N/A	>= 2.8 dB	29.3 dB
3,6	RH	OK	33.9 dB @ 235.00MHz	N/A	>= 2.8 dB	31.1 dB
5,4	RH	OK	31.3 dB @ 236.50MHz	N/A	>= 2.5 dB	28.8 dB
1,2	RH	OK	35.5 dB @ 250.00MHz	N/A	>= 1.1 dB	34.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.3 dB @ 249.50MHz	N/A	>= 13.2 dB	21.1 dB
3,6	DH	OK	31.7 dB @ 248.00MHz	N/A	>= 13.3 dB	18.4 dB
5,4	DH	OK	31.3 dB @ 242.50MHz	N/A	>= 13.5 dB	17.8 dB
1,2	DH	OK	34.9 dB @ 248.50MHz	N/A	>= 13.3 dB	21.6 dB
7,8	RH	OK	33.9 dB @ 250.00MHz	N/A	>= 13.2 dB	20.7 dB
3,6	RH	OK	31.0 dB @ 248.50MHz	N/A	>= 13.3 dB	17.7 dB
5,4	RH	OK	32.3 dB @ 249.00MHz	N/A	>= 13.2 dB	19.1 dB
1,2	RH	OK	35.0 dB @ 248.50MHz	N/A	>= 13.3 dB	21.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0019  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:05:28  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	31.6m	32.5m	33.3m	31.7m	< 90.0m	OK
Ritardo di propag.	161.5ns	165.8ns	169.5ns	161.6ns	< 510.0ns	OK
Diff. t. ritardo	8.0ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	98.2 Ohm	97.7 Ohm	95.0 Ohm	100.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.6 Ohm	7.4 Ohm	8.8 Ohm	7.1 Ohm	< 20.0 Ohm	OK
Capacità	48.1pF/m	48.4pF/m	49.8pF/m	47.1pF/m	< 66.0pF/m	OK
Riserva	6.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.1 dB @ 229.50MHz	N/A	> 35.9 dB	5.2 dB
7,8-5,4	DH	OK	51.3 dB @ 221.00MHz	N/A	> 36.2 dB	15.1 dB
7,8-1,2	DH	OK	58.4 dB @ 229.00MHz	N/A	> 35.9 dB	22.5 dB
3,6-5,4	DH	OK	52.3 dB @ 228.50MHz	N/A	> 36.0 dB	16.3 dB
3,6-1,2	DH	OK	46.9 dB @ 250.00MHz	N/A	> 35.3 dB	11.6 dB
5,4-1,2	DH	OK	48.3 dB @ 250.00MHz	N/A	> 35.3 dB	13.0 dB
7,8-3,6	RH	OK	45.8 dB @ 237.50MHz	N/A	> 35.7 dB	10.1 dB
7,8-5,4	RH	OK	45.4 dB @ 231.50MHz	N/A	> 35.9 dB	9.5 dB
7,8-1,2	RH	OK	50.3 dB @ 239.50MHz	N/A	> 35.6 dB	14.7 dB
3,6-5,4	RH	OK	51.3 dB @ 229.00MHz	N/A	> 35.9 dB	15.4 dB
3,6-1,2	RH	OK	46.3 dB @ 227.50MHz	N/A	> 36.0 dB	10.3 dB
5,4-1,2	RH	OK	49.2 dB @ 250.00MHz	N/A	> 35.3 dB	13.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.1 dB @ 233.00MHz	N/A	> 10.3 dB	4.8 dB
3,6	DH	OK	15.4 dB @ 231.00MHz	N/A	> 10.4 dB	5.0 dB
5,4	DH	OK	17.2 dB @ 230.00MHz	N/A	> 10.4 dB	6.8 dB
1,2	DH	OK	15.6 dB @ 219.00MHz	N/A	> 10.6 dB	5.0 dB
7,8	RH	OK	14.5 dB @ 223.00MHz	N/A	> 10.5 dB	4.0 dB
3,6	RH	OK	15.0 dB @ 165.50MHz	N/A	> 11.8 dB	3.2 dB
5,4	RH	OK	17.0 dB @ 229.50MHz	N/A	> 10.4 dB	6.6 dB
1,2	RH	OK	15.0 dB @ 219.00MHz	N/A	> 10.6 dB	4.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.1 dB @ 248.00MHz	N/A	< 31.0 dB	19.9 dB
3,6	OK	11.8 dB @ 232.50MHz	N/A	< 29.9 dB	18.1 dB
5,4	OK	12.1 dB @ 244.00MHz	N/A	< 30.7 dB	18.6 dB
1,2	OK	10.9 dB @ 234.00MHz	N/A	< 30.0 dB	19.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.8 dB @ 229.50MHz	N/A	>= 6.3 dB	24.5 dB
3,6	DH	OK	30.2 dB @ 229.50MHz	N/A	>= 6.3 dB	23.9 dB
5,4	DH	OK	36.8 dB @ 250.00MHz	N/A	>= 4.1 dB	32.7 dB
1,2	DH	OK	36.2 dB @ 249.00MHz	N/A	>= 4.2 dB	32.0 dB
7,8	RH	OK	34.7 dB @ 240.00MHz	N/A	>= 5.2 dB	29.5 dB
3,6	RH	OK	34.9 dB @ 237.50MHz	N/A	>= 5.5 dB	29.4 dB
5,4	RH	OK	33.8 dB @ 242.50MHz	N/A	>= 4.9 dB	28.9 dB
1,2	RH	OK	36.0 dB @ 227.50MHz	N/A	>= 6.5 dB	29.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0019  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:05:28  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.2 dB @ 226.50MHz	N/A	> 17.1 dB	17.1 dB
7,8-5,4	DH	OK	42.9 dB @ 198.50MHz	N/A	> 18.2 dB	24.7 dB
7,8-1,2	DH	OK	41.3 dB @ 249.00MHz	N/A	> 16.2 dB	25.1 dB
3,6-7,8	DH	OK	35.9 dB @ 225.00MHz	N/A	> 17.1 dB	18.8 dB
3,6-5,4	DH	OK	32.7 dB @ 249.50MHz	N/A	> 16.2 dB	16.5 dB
3,6-1,2	DH	OK	39.2 dB @ 173.00MHz	N/A	> 19.4 dB	19.8 dB
5,4-7,8	DH	OK	41.7 dB @ 205.50MHz	N/A	> 17.9 dB	23.8 dB
5,4-3,6	DH	OK	33.7 dB @ 249.00MHz	N/A	> 16.2 dB	17.5 dB
5,4-1,2	DH	OK	37.0 dB @ 234.00MHz	N/A	> 16.8 dB	20.2 dB
1,2-7,8	DH	OK	40.9 dB @ 214.50MHz	N/A	> 17.5 dB	23.4 dB
1,2-3,6	DH	OK	38.9 dB @ 221.00MHz	N/A	> 17.3 dB	21.6 dB
1,2-5,4	DH	OK	36.1 dB @ 244.00MHz	N/A	> 16.4 dB	19.7 dB
7,8-3,6	RH	OK	34.2 dB @ 226.50MHz	N/A	> 17.1 dB	17.1 dB
7,8-5,4	RH	OK	43.0 dB @ 198.50MHz	N/A	> 18.2 dB	24.8 dB
7,8-1,2	RH	OK	41.4 dB @ 249.50MHz	N/A	> 16.2 dB	25.2 dB
3,6-7,8	RH	OK	35.5 dB @ 228.50MHz	N/A	> 17.0 dB	18.5 dB
3,6-5,4	RH	OK	33.1 dB @ 246.00MHz	N/A	> 16.3 dB	16.8 dB
3,6-1,2	RH	OK	38.7 dB @ 214.50MHz	N/A	> 17.5 dB	21.2 dB
5,4-7,8	RH	OK	41.2 dB @ 205.50MHz	N/A	> 17.9 dB	23.3 dB
5,4-3,6	RH	OK	33.5 dB @ 250.00MHz	N/A	> 16.2 dB	17.3 dB
5,4-1,2	RH	OK	36.0 dB @ 244.00MHz	N/A	> 16.4 dB	19.6 dB
1,2-7,8	RH	OK	41.2 dB @ 217.50MHz	N/A	> 17.4 dB	23.8 dB
1,2-3,6	RH	OK	39.6 dB @ 220.50MHz	N/A	> 17.3 dB	22.3 dB
1,2-5,4	RH	OK	37.4 dB @ 246.50MHz	N/A	> 16.3 dB	21.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.9 dB @ 229.50MHz	N/A	> 32.9 dB	8.0 dB
3,6	DH	OK	40.5 dB @ 237.00MHz	N/A	> 32.7 dB	7.8 dB
5,4	DH	OK	46.5 dB @ 231.50MHz	N/A	> 32.9 dB	13.6 dB
1,2	DH	OK	44.5 dB @ 250.00MHz	N/A	> 32.3 dB	12.2 dB
7,8	RH	OK	42.3 dB @ 239.50MHz	N/A	> 32.6 dB	9.7 dB
3,6	RH	OK	43.4 dB @ 230.00MHz	N/A	> 32.9 dB	10.5 dB
5,4	RH	OK	44.3 dB @ 231.50MHz	N/A	> 32.9 dB	11.4 dB
1,2	RH	OK	45.3 dB @ 248.00MHz	N/A	> 32.4 dB	12.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.6 dB @ 229.00MHz	N/A	>= 3.3 dB	27.3 dB
3,6	DH	OK	29.5 dB @ 237.00MHz	N/A	>= 2.5 dB	27.0 dB
5,4	DH	OK	35.2 dB @ 221.50MHz	N/A	>= 4.2 dB	31.0 dB
1,2	DH	OK	34.0 dB @ 249.00MHz	N/A	>= 1.2 dB	32.8 dB
7,8	RH	OK	31.4 dB @ 240.00MHz	N/A	>= 2.2 dB	29.2 dB
3,6	RH	OK	32.0 dB @ 230.00MHz	N/A	>= 3.2 dB	28.8 dB
5,4	RH	OK	32.4 dB @ 242.50MHz	N/A	>= 1.9 dB	30.5 dB
1,2	RH	OK	34.6 dB @ 248.00MHz	N/A	>= 1.4 dB	33.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.6 dB @ 225.00MHz	N/A	>= 14.1 dB	20.5 dB
3,6	DH	OK	30.7 dB @ 249.00MHz	N/A	>= 13.2 dB	17.5 dB
5,4	DH	OK	31.1 dB @ 249.50MHz	N/A	>= 13.2 dB	17.9 dB
1,2	DH	OK	34.7 dB @ 234.00MHz	N/A	>= 13.8 dB	20.9 dB
7,8	RH	OK	33.5 dB @ 226.50MHz	N/A	>= 14.1 dB	19.4 dB
3,6	RH	OK	31.0 dB @ 246.00MHz	N/A	>= 13.3 dB	17.7 dB
5,4	RH	OK	31.7 dB @ 250.00MHz	N/A	>= 13.2 dB	18.5 dB
1,2	RH	OK	35.1 dB @ 234.00MHz	N/A	>= 13.8 dB	21.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

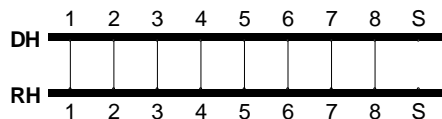
**OK**

ID cavo 1: 0020  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:06:40  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	31.8m	32.7m	33.5m	31.8m	< 90.0m	OK
Ritardo di propag.	162.4ns	166.6ns	170.4ns	162.2ns	< 510.0ns	OK
Diff. t. ritardo	8.2ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	97.6 Ohm	97.1 Ohm	94.7 Ohm	99.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.0 Ohm	7.5 Ohm	9.1 Ohm	7.1 Ohm	< 20.0 Ohm	OK
Capacità	48.4pF/m	48.7pF/m	50.0pF/m	47.5pF/m	< 66.0pF/m	OK
Riserva	4.2 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 232.00MHz	N/A	> 35.8 dB	5.7 dB
7,8-5,4	DH	OK	52.8 dB @ 227.00MHz	N/A	> 36.0 dB	16.8 dB
7,8-1,2	DH	OK	59.6 dB @ 216.50MHz	N/A	> 36.3 dB	23.3 dB
3,6-5,4	DH	OK	51.9 dB @ 231.50MHz	N/A	> 35.9 dB	16.0 dB
3,6-1,2	DH	OK	45.0 dB @ 240.00MHz	N/A	> 35.6 dB	9.4 dB
5,4-1,2	DH	OK	48.2 dB @ 214.50MHz	N/A	> 36.4 dB	11.8 dB
7,8-3,6	RH	OK	46.0 dB @ 232.00MHz	N/A	> 35.8 dB	10.2 dB
7,8-5,4	RH	OK	47.0 dB @ 233.50MHz	N/A	> 35.8 dB	11.2 dB
7,8-1,2	RH	OK	50.9 dB @ 216.50MHz	N/A	> 36.3 dB	14.6 dB
3,6-5,4	RH	OK	49.6 dB @ 227.00MHz	N/A	> 36.0 dB	13.6 dB
3,6-1,2	RH	OK	46.0 dB @ 232.50MHz	N/A	> 35.8 dB	10.2 dB
5,4-1,2	RH	OK	51.6 dB @ 244.50MHz	N/A	> 35.5 dB	16.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 219.50MHz	N/A	> 10.6 dB	5.4 dB
3,6	DH	OK	16.8 dB @ 230.00MHz	N/A	> 10.4 dB	6.4 dB
5,4	DH	OK	17.2 dB @ 238.50MHz	N/A	> 10.2 dB	7.0 dB
1,2	DH	OK	17.5 dB @ 172.00MHz	N/A	> 11.6 dB	5.9 dB
7,8	RH	OK	14.9 dB @ 219.00MHz	N/A	> 10.6 dB	4.3 dB
3,6	RH	OK	16.5 dB @ 214.50MHz	N/A	> 10.7 dB	5.8 dB
5,4	RH	OK	17.4 dB @ 238.00MHz	N/A	> 10.2 dB	7.2 dB
1,2	RH	OK	16.0 dB @ 205.00MHz	N/A	> 10.9 dB	5.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.5 dB @ 238.50MHz	N/A	< 30.3 dB	18.8 dB
3,6	OK	12.0 dB @ 248.50MHz	N/A	< 31.0 dB	19.0 dB
5,4	OK	12.3 dB @ 248.50MHz	N/A	< 31.0 dB	18.7 dB
1,2	OK	11.0 dB @ 244.00MHz	N/A	< 30.7 dB	19.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.6 dB @ 232.00MHz	N/A	>= 6.0 dB	24.6 dB
3,6	DH	OK	30.1 dB @ 248.50MHz	N/A	>= 4.4 dB	25.7 dB
5,4	DH	OK	37.4 dB @ 214.50MHz	N/A	>= 7.9 dB	29.5 dB
1,2	DH	OK	34.2 dB @ 240.00MHz	N/A	>= 5.2 dB	29.0 dB
7,8	RH	OK	35.1 dB @ 232.00MHz	N/A	>= 6.0 dB	29.1 dB
3,6	RH	OK	34.7 dB @ 231.50MHz	N/A	>= 6.1 dB	28.6 dB
5,4	RH	OK	35.1 dB @ 233.00MHz	N/A	>= 5.9 dB	29.2 dB
1,2	RH	OK	35.1 dB @ 232.50MHz	N/A	>= 5.9 dB	29.2 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0020  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:06:40  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.1 dB @ 250.00MHz	N/A	> 16.2 dB	17.9 dB
7,8-5,4	DH	OK	45.7 dB @ 156.50MHz	N/A	> 20.3 dB	25.4 dB
7,8-1,2	DH	OK	43.7 dB @ 157.50MHz	N/A	> 20.2 dB	23.5 dB
3,6-7,8	DH	OK	34.6 dB @ 238.50MHz	N/A	> 16.6 dB	18.0 dB
3,6-5,4	DH	OK	32.7 dB @ 248.50MHz	N/A	> 16.3 dB	16.4 dB
3,6-1,2	DH	OK	39.8 dB @ 175.00MHz	N/A	> 19.3 dB	20.5 dB
5,4-7,8	DH	OK	45.6 dB @ 212.50MHz	N/A	> 17.6 dB	28.0 dB
5,4-3,6	DH	OK	33.6 dB @ 248.50MHz	N/A	> 16.3 dB	17.3 dB
5,4-1,2	DH	OK	38.0 dB @ 246.00MHz	N/A	> 16.3 dB	21.7 dB
1,2-7,8	DH	OK	43.0 dB @ 212.50MHz	N/A	> 17.6 dB	25.4 dB
1,2-3,6	DH	OK	38.9 dB @ 225.50MHz	N/A	> 17.1 dB	21.8 dB
1,2-5,4	DH	OK	36.1 dB @ 248.50MHz	N/A	> 16.3 dB	19.8 dB
7,8-3,6	RH	OK	34.7 dB @ 250.00MHz	N/A	> 16.2 dB	18.5 dB
7,8-5,4	RH	OK	46.1 dB @ 156.50MHz	N/A	> 20.3 dB	25.8 dB
7,8-1,2	RH	OK	43.3 dB @ 238.50MHz	N/A	> 16.6 dB	26.7 dB
3,6-7,8	RH	OK	33.8 dB @ 241.50MHz	N/A	> 16.5 dB	17.3 dB
3,6-5,4	RH	OK	33.0 dB @ 248.50MHz	N/A	> 16.3 dB	16.7 dB
3,6-1,2	RH	OK	39.2 dB @ 178.50MHz	N/A	> 19.1 dB	20.1 dB
5,4-7,8	RH	OK	45.6 dB @ 200.50MHz	N/A	> 18.1 dB	27.5 dB
5,4-3,6	RH	OK	33.3 dB @ 248.50MHz	N/A	> 16.3 dB	17.0 dB
5,4-1,2	RH	OK	36.6 dB @ 248.50MHz	N/A	> 16.3 dB	20.3 dB
1,2-7,8	RH	OK	44.1 dB @ 216.00MHz	N/A	> 17.5 dB	26.6 dB
1,2-3,6	RH	OK	39.3 dB @ 222.00MHz	N/A	> 17.2 dB	22.1 dB
1,2-5,4	RH	OK	37.6 dB @ 244.00MHz	N/A	> 16.4 dB	21.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 232.00MHz	N/A	> 32.8 dB	8.5 dB
3,6	DH	OK	40.0 dB @ 242.50MHz	N/A	> 32.5 dB	7.5 dB
5,4	DH	OK	47.4 dB @ 227.50MHz	N/A	> 33.0 dB	14.4 dB
1,2	DH	OK	43.8 dB @ 250.00MHz	N/A	> 32.3 dB	11.5 dB
7,8	RH	OK	43.3 dB @ 232.00MHz	N/A	> 32.8 dB	10.5 dB
3,6	RH	OK	42.9 dB @ 232.50MHz	N/A	> 32.8 dB	10.1 dB
5,4	RH	OK	45.1 dB @ 220.00MHz	N/A	> 33.2 dB	11.9 dB
1,2	RH	OK	45.1 dB @ 232.50MHz	N/A	> 32.8 dB	12.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.4 dB @ 232.00MHz	N/A	>= 3.0 dB	27.4 dB
3,6	DH	OK	28.4 dB @ 241.50MHz	N/A	>= 2.1 dB	26.3 dB
5,4	DH	OK	35.8 dB @ 237.50MHz	N/A	>= 2.5 dB	33.3 dB
1,2	DH	OK	32.9 dB @ 242.00MHz	N/A	>= 1.9 dB	31.0 dB
7,8	RH	OK	32.4 dB @ 232.00MHz	N/A	>= 3.0 dB	29.4 dB
3,6	RH	OK	31.6 dB @ 233.00MHz	N/A	>= 2.9 dB	28.7 dB
5,4	RH	OK	33.3 dB @ 246.00MHz	N/A	>= 1.5 dB	31.8 dB
1,2	RH	OK	34.2 dB @ 232.50MHz	N/A	>= 2.9 dB	31.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.2 dB @ 238.50MHz	N/A	>= 13.6 dB	20.6 dB
3,6	DH	OK	30.7 dB @ 249.00MHz	N/A	>= 13.2 dB	17.5 dB
5,4	DH	OK	30.9 dB @ 248.50MHz	N/A	>= 13.3 dB	17.6 dB
1,2	DH	OK	35.8 dB @ 234.00MHz	N/A	>= 13.8 dB	22.0 dB
7,8	RH	OK	33.9 dB @ 250.00MHz	N/A	>= 13.2 dB	20.7 dB
3,6	RH	OK	30.3 dB @ 248.50MHz	N/A	>= 13.3 dB	17.0 dB
5,4	RH	OK	31.5 dB @ 248.50MHz	N/A	>= 13.3 dB	18.2 dB
1,2	RH	OK	35.7 dB @ 227.50MHz	N/A	>= 14.0 dB	21.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

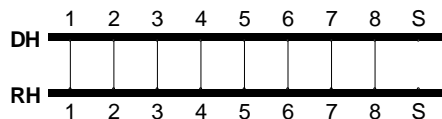
**OK**

ID cavo 1: 0021  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:07:47  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	31.6m	32.6m	33.3m	31.7m	< 90.0m	OK
Ritardo di propag.	161.6ns	165.8ns	169.3ns	161.8ns	< 510.0ns	OK
Diff. t. ritardo	7.7ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	98.0 Ohm	97.6 Ohm	95.0 Ohm	100.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.7 Ohm	7.3 Ohm	9.1 Ohm	6.8 Ohm	< 20.0 Ohm	OK
Capacità	48.2pF/m	48.3pF/m	49.7pF/m	47.2pF/m	< 66.0pF/m	OK
Riserva	5.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 249.50MHz	N/A	> 35.3 dB	6.2 dB
7,8-5,4	DH	OK	53.5 dB @ 172.50MHz	N/A	> 38.0 dB	15.5 dB
7,8-1,2	DH	OK	59.1 dB @ 221.50MHz	N/A	> 36.2 dB	22.9 dB
3,6-5,4	DH	OK	53.1 dB @ 231.50MHz	N/A	> 35.9 dB	17.2 dB
3,6-1,2	DH	OK	46.0 dB @ 244.50MHz	N/A	> 35.5 dB	10.5 dB
5,4-1,2	DH	OK	46.7 dB @ 248.50MHz	N/A	> 35.4 dB	11.3 dB
7,8-3,6	RH	OK	46.4 dB @ 213.00MHz	N/A	> 36.5 dB	9.9 dB
7,8-5,4	RH	OK	46.1 dB @ 232.50MHz	N/A	> 35.8 dB	10.3 dB
7,8-1,2	RH	OK	52.5 dB @ 221.00MHz	N/A	> 36.2 dB	16.3 dB
3,6-5,4	RH	OK	50.8 dB @ 228.50MHz	N/A	> 36.0 dB	14.8 dB
3,6-1,2	RH	OK	48.1 dB @ 230.50MHz	N/A	> 35.9 dB	12.2 dB
5,4-1,2	RH	OK	49.5 dB @ 250.00MHz	N/A	> 35.3 dB	14.2 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 223.00MHz	N/A	> 10.5 dB	5.5 dB
3,6	DH	OK	15.5 dB @ 225.00MHz	N/A	> 10.5 dB	5.0 dB
5,4	DH	OK	16.8 dB @ 236.00MHz	N/A	> 10.3 dB	6.5 dB
1,2	DH	OK	17.8 dB @ 232.00MHz	N/A	> 10.3 dB	7.5 dB
7,8	RH	OK	15.4 dB @ 173.50MHz	N/A	> 11.6 dB	3.8 dB
3,6	RH	OK	15.7 dB @ 221.50MHz	N/A	> 10.5 dB	5.2 dB
5,4	RH	OK	17.6 dB @ 230.00MHz	N/A	> 10.4 dB	7.2 dB
1,2	RH	OK	17.1 dB @ 172.00MHz	N/A	> 11.6 dB	5.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.5 dB @ 227.50MHz	N/A	< 29.5 dB	18.0 dB
3,6	OK	11.7 dB @ 229.00MHz	N/A	< 29.6 dB	17.9 dB
5,4	OK	12.0 dB @ 230.50MHz	N/A	< 29.7 dB	17.7 dB
1,2	OK	10.9 dB @ 237.00MHz	N/A	< 30.2 dB	19.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.7 dB @ 249.50MHz	N/A	>= 4.2 dB	26.5 dB
3,6	DH	OK	30.3 dB @ 249.50MHz	N/A	>= 4.2 dB	26.1 dB
5,4	DH	OK	35.2 dB @ 248.50MHz	N/A	>= 4.4 dB	30.8 dB
1,2	DH	OK	35.6 dB @ 244.00MHz	N/A	>= 4.8 dB	30.8 dB
7,8	RH	OK	35.4 dB @ 235.50MHz	N/A	>= 5.6 dB	29.8 dB
3,6	RH	OK	36.0 dB @ 223.50MHz	N/A	>= 6.9 dB	29.1 dB
5,4	RH	OK	34.9 dB @ 231.50MHz	N/A	>= 6.1 dB	28.8 dB
1,2	RH	OK	37.5 dB @ 230.50MHz	N/A	>= 6.2 dB	31.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0021  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:07:47  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.4 dB @ 249.50MHz	N/A	> 16.2 dB	16.2 dB
7,8-5,4	DH	OK	44.2 dB @ 165.00MHz	N/A	> 19.8 dB	24.4 dB
7,8-1,2	DH	OK	52.4 dB @ 229.00MHz	N/A	> 17.0 dB	35.4 dB
3,6-7,8	DH	OK	32.7 dB @ 250.00MHz	N/A	> 16.2 dB	16.5 dB
3,6-5,4	DH	OK	33.9 dB @ 249.00MHz	N/A	> 16.2 dB	17.7 dB
3,6-1,2	DH	OK	44.2 dB @ 169.50MHz	N/A	> 19.6 dB	24.6 dB
5,4-7,8	DH	OK	43.6 dB @ 205.00MHz	N/A	> 17.9 dB	25.7 dB
5,4-3,6	DH	OK	34.5 dB @ 250.00MHz	N/A	> 16.2 dB	18.3 dB
5,4-1,2	DH	OK	37.5 dB @ 244.00MHz	N/A	> 16.4 dB	21.1 dB
1,2-7,8	DH	OK	53.4 dB @ 140.00MHz	N/A	> 21.2 dB	32.2 dB
1,2-3,6	DH	OK	43.1 dB @ 176.50MHz	N/A	> 19.2 dB	23.9 dB
1,2-5,4	DH	OK	36.6 dB @ 248.50MHz	N/A	> 16.3 dB	20.3 dB
7,8-3,6	RH	OK	32.8 dB @ 249.50MHz	N/A	> 16.2 dB	16.6 dB
7,8-5,4	RH	OK	44.6 dB @ 152.00MHz	N/A	> 20.5 dB	24.1 dB
7,8-1,2	RH	OK	51.4 dB @ 227.50MHz	N/A	> 17.0 dB	34.4 dB
3,6-7,8	RH	OK	32.3 dB @ 248.00MHz	N/A	> 16.3 dB	16.0 dB
3,6-5,4	RH	OK	34.1 dB @ 247.50MHz	N/A	> 16.3 dB	17.8 dB
3,6-1,2	RH	OK	43.6 dB @ 169.00MHz	N/A	> 19.6 dB	24.0 dB
5,4-7,8	RH	OK	43.1 dB @ 205.00MHz	N/A	> 17.9 dB	25.2 dB
5,4-3,6	RH	OK	33.9 dB @ 249.00MHz	N/A	> 16.2 dB	17.7 dB
5,4-1,2	RH	OK	36.4 dB @ 244.00MHz	N/A	> 16.4 dB	20.0 dB
1,2-7,8	RH	OK	53.6 dB @ 140.50MHz	N/A	> 21.2 dB	32.4 dB
1,2-3,6	RH	OK	43.6 dB @ 174.00MHz	N/A	> 19.3 dB	24.3 dB
1,2-5,4	RH	OK	37.6 dB @ 248.00MHz	N/A	> 16.3 dB	21.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 249.50MHz	N/A	> 32.3 dB	9.0 dB
3,6	DH	OK	40.2 dB @ 249.50MHz	N/A	> 32.3 dB	7.9 dB
5,4	DH	OK	46.1 dB @ 248.50MHz	N/A	> 32.4 dB	13.7 dB
1,2	DH	OK	43.5 dB @ 249.50MHz	N/A	> 32.3 dB	11.2 dB
7,8	RH	OK	43.8 dB @ 233.50MHz	N/A	> 32.8 dB	11.0 dB
3,6	RH	OK	44.6 dB @ 195.50MHz	N/A	> 34.1 dB	10.5 dB
5,4	RH	OK	45.0 dB @ 231.50MHz	N/A	> 32.9 dB	12.1 dB
1,2	RH	OK	45.8 dB @ 249.00MHz	N/A	> 32.3 dB	13.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.5 dB @ 249.50MHz	N/A	>= 1.2 dB	29.3 dB
3,6	DH	OK	29.0 dB @ 249.50MHz	N/A	>= 1.2 dB	27.8 dB
5,4	DH	OK	34.6 dB @ 248.50MHz	N/A	>= 1.4 dB	33.2 dB
1,2	DH	OK	33.0 dB @ 245.50MHz	N/A	>= 1.6 dB	31.4 dB
7,8	RH	OK	33.0 dB @ 233.50MHz	N/A	>= 2.9 dB	30.1 dB
3,6	RH	OK	33.8 dB @ 230.50MHz	N/A	>= 3.2 dB	30.6 dB
5,4	RH	OK	33.8 dB @ 231.50MHz	N/A	>= 3.1 dB	30.7 dB
1,2	RH	OK	35.2 dB @ 248.00MHz	N/A	>= 1.4 dB	33.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.5 dB @ 250.00MHz	N/A	>= 13.2 dB	19.3 dB
3,6	DH	OK	30.2 dB @ 249.50MHz	N/A	>= 13.2 dB	17.0 dB
5,4	DH	OK	31.9 dB @ 249.00MHz	N/A	>= 13.2 dB	18.7 dB
1,2	DH	OK	37.3 dB @ 244.00MHz	N/A	>= 13.4 dB	23.9 dB
7,8	RH	OK	32.6 dB @ 249.50MHz	N/A	>= 13.2 dB	19.4 dB
3,6	RH	OK	30.2 dB @ 250.00MHz	N/A	>= 13.2 dB	17.0 dB
5,4	RH	OK	31.9 dB @ 249.00MHz	N/A	>= 13.2 dB	18.7 dB
1,2	RH	OK	37.3 dB @ 248.00MHz	N/A	>= 13.3 dB	24.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0022  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:08:50  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	31.6m	32.6m	33.4m	31.7m	< 90.0m	OK
Ritardo di propag.	161.5ns	166.2ns	169.6ns	162.0ns	< 510.0ns	OK
Diff. t. ritardo	8.1ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	97.9 Ohm	97.8 Ohm	94.9 Ohm	99.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.0 Ohm	7.5 Ohm	9.4 Ohm	7.1 Ohm	< 20.0 Ohm	OK
Capacità	48.3pF/m	48.3pF/m	49.7pF/m	47.4pF/m	< 66.0pF/m	OK
Riserva	3.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.6 dB @ 233.50MHz	N/A	> 35.8 dB	5.8 dB
7,8-5,4	DH	OK	52.1 dB @ 179.50MHz	N/A	> 37.7 dB	14.4 dB
7,8-1,2	DH	OK	60.3 dB @ 172.00MHz	N/A	> 38.0 dB	22.3 dB
3,6-5,4	DH	OK	52.5 dB @ 228.50MHz	N/A	> 36.0 dB	16.5 dB
3,6-1,2	DH	OK	45.9 dB @ 224.00MHz	N/A	> 36.1 dB	9.8 dB
5,4-1,2	DH	OK	48.9 dB @ 250.00MHz	N/A	> 35.3 dB	13.6 dB
7,8-3,6	RH	OK	44.7 dB @ 250.00MHz	N/A	> 35.3 dB	9.4 dB
7,8-5,4	RH	OK	46.0 dB @ 226.00MHz	N/A	> 36.0 dB	10.0 dB
7,8-1,2	RH	OK	53.5 dB @ 244.00MHz	N/A	> 35.5 dB	18.0 dB
3,6-5,4	RH	OK	52.2 dB @ 229.50MHz	N/A	> 35.9 dB	16.3 dB
3,6-1,2	RH	OK	47.7 dB @ 234.50MHz	N/A	> 35.8 dB	11.9 dB
5,4-1,2	RH	OK	48.0 dB @ 212.50MHz	N/A	> 36.5 dB	11.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.5 dB @ 220.50MHz	N/A	> 10.6 dB	4.9 dB
3,6	DH	OK	15.9 dB @ 231.50MHz	N/A	> 10.3 dB	5.6 dB
5,4	DH	OK	16.7 dB @ 230.50MHz	N/A	> 10.4 dB	6.3 dB
1,2	DH	OK	15.6 dB @ 226.50MHz	N/A	> 10.4 dB	5.2 dB
7,8	RH	OK	14.9 dB @ 230.00MHz	N/A	> 10.4 dB	4.5 dB
3,6	RH	OK	15.9 dB @ 224.50MHz	N/A	> 10.5 dB	5.4 dB
5,4	RH	OK	16.5 dB @ 230.00MHz	N/A	> 10.4 dB	6.1 dB
1,2	RH	OK	14.1 dB @ 226.00MHz	N/A	> 10.4 dB	3.7 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.3 dB @ 248.00MHz	N/A	< 31.0 dB	19.7 dB
3,6	OK	12.3 dB @ 248.50MHz	N/A	< 31.0 dB	18.7 dB
5,4	OK	12.8 dB @ 236.00MHz	N/A	< 30.1 dB	17.3 dB
1,2	OK	11.4 dB @ 217.50MHz	N/A	< 28.7 dB	17.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.7 dB @ 233.50MHz	N/A	>= 5.9 dB	24.8 dB
3,6	DH	OK	30.0 dB @ 248.50MHz	N/A	>= 4.4 dB	25.6 dB
5,4	DH	OK	37.2 dB @ 248.50MHz	N/A	>= 4.4 dB	32.8 dB
1,2	DH	OK	35.3 dB @ 224.00MHz	N/A	>= 6.9 dB	28.4 dB
7,8	RH	OK	33.6 dB @ 248.00MHz	N/A	>= 4.4 dB	29.2 dB
3,6	RH	OK	32.6 dB @ 248.50MHz	N/A	>= 4.4 dB	28.2 dB
5,4	RH	OK	34.6 dB @ 229.50MHz	N/A	>= 6.3 dB	28.3 dB
1,2	RH	OK	37.3 dB @ 234.50MHz	N/A	>= 5.8 dB	31.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0022  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:08:50  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.8 dB @ 246.50MHz	N/A	> 16.3 dB	15.5 dB
7,8-5,4	DH	OK	40.9 dB @ 223.00MHz	N/A	> 17.2 dB	23.7 dB
7,8-1,2	DH	OK	50.3 dB @ 248.50MHz	N/A	> 16.3 dB	34.0 dB
3,6-7,8	DH	OK	32.6 dB @ 248.00MHz	N/A	> 16.3 dB	16.3 dB
3,6-5,4	DH	OK	33.7 dB @ 248.50MHz	N/A	> 16.3 dB	17.4 dB
3,6-1,2	DH	OK	39.9 dB @ 223.00MHz	N/A	> 17.2 dB	22.7 dB
5,4-7,8	DH	OK	41.7 dB @ 226.50MHz	N/A	> 17.1 dB	24.6 dB
5,4-3,6	DH	OK	34.0 dB @ 248.50MHz	N/A	> 16.3 dB	17.7 dB
5,4-1,2	DH	OK	39.0 dB @ 238.50MHz	N/A	> 16.6 dB	22.4 dB
1,2-7,8	DH	OK	47.9 dB @ 226.00MHz	N/A	> 17.1 dB	30.8 dB
1,2-3,6	DH	OK	38.8 dB @ 176.50MHz	N/A	> 19.2 dB	19.6 dB
1,2-5,4	DH	OK	37.3 dB @ 248.50MHz	N/A	> 16.3 dB	21.0 dB
7,8-3,6	RH	OK	32.7 dB @ 250.00MHz	N/A	> 16.2 dB	16.5 dB
7,8-5,4	RH	OK	42.1 dB @ 213.00MHz	N/A	> 17.6 dB	24.5 dB
7,8-1,2	RH	OK	50.0 dB @ 248.50MHz	N/A	> 16.3 dB	33.7 dB
3,6-7,8	RH	OK	31.7 dB @ 246.50MHz	N/A	> 16.3 dB	15.4 dB
3,6-5,4	RH	OK	33.9 dB @ 248.50MHz	N/A	> 16.3 dB	17.6 dB
3,6-1,2	RH	OK	39.4 dB @ 220.00MHz	N/A	> 17.3 dB	22.1 dB
5,4-7,8	RH	OK	40.6 dB @ 223.00MHz	N/A	> 17.2 dB	23.4 dB
5,4-3,6	RH	OK	33.8 dB @ 248.50MHz	N/A	> 16.3 dB	17.5 dB
5,4-1,2	RH	OK	37.0 dB @ 236.00MHz	N/A	> 16.7 dB	20.3 dB
1,2-7,8	RH	OK	47.5 dB @ 217.50MHz	N/A	> 17.4 dB	30.1 dB
1,2-3,6	RH	OK	39.5 dB @ 173.50MHz	N/A	> 19.4 dB	20.1 dB
1,2-5,4	RH	OK	38.5 dB @ 249.50MHz	N/A	> 16.2 dB	22.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 233.50MHz	N/A	> 32.8 dB	8.5 dB
3,6	DH	OK	40.8 dB @ 248.00MHz	N/A	> 32.4 dB	8.4 dB
5,4	DH	OK	47.7 dB @ 239.00MHz	N/A	> 32.6 dB	15.1 dB
1,2	DH	OK	44.5 dB @ 247.00MHz	N/A	> 32.4 dB	12.1 dB
7,8	RH	OK	42.9 dB @ 250.00MHz	N/A	> 32.3 dB	10.6 dB
3,6	RH	OK	44.1 dB @ 250.00MHz	N/A	> 32.3 dB	11.8 dB
5,4	RH	OK	45.0 dB @ 226.00MHz	N/A	> 33.0 dB	12.0 dB
1,2	RH	OK	46.0 dB @ 213.00MHz	N/A	> 33.5 dB	12.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.4 dB @ 233.50MHz	N/A	>= 2.9 dB	27.5 dB
3,6	DH	OK	28.7 dB @ 248.50MHz	N/A	>= 1.4 dB	27.3 dB
5,4	DH	OK	36.1 dB @ 239.00MHz	N/A	>= 2.3 dB	33.8 dB
1,2	DH	OK	33.9 dB @ 247.00MHz	N/A	>= 1.5 dB	32.4 dB
7,8	RH	OK	31.9 dB @ 248.00MHz	N/A	>= 1.4 dB	30.5 dB
3,6	RH	OK	31.9 dB @ 248.50MHz	N/A	>= 1.4 dB	30.5 dB
5,4	RH	OK	33.4 dB @ 229.50MHz	N/A	>= 3.3 dB	30.1 dB
1,2	RH	OK	35.9 dB @ 213.00MHz	N/A	>= 5.1 dB	30.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.0 dB @ 248.00MHz	N/A	>= 13.3 dB	18.7 dB
3,6	DH	OK	29.8 dB @ 248.50MHz	N/A	>= 13.3 dB	16.5 dB
5,4	DH	OK	31.7 dB @ 248.50MHz	N/A	>= 13.3 dB	18.4 dB
1,2	DH	OK	37.0 dB @ 229.00MHz	N/A	>= 14.0 dB	23.0 dB
7,8	RH	OK	32.2 dB @ 250.00MHz	N/A	>= 13.2 dB	19.0 dB
3,6	RH	OK	29.6 dB @ 248.50MHz	N/A	>= 13.3 dB	16.3 dB
5,4	RH	OK	31.7 dB @ 248.50MHz	N/A	>= 13.3 dB	18.4 dB
1,2	RH	OK	37.1 dB @ 229.00MHz	N/A	>= 14.0 dB	23.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

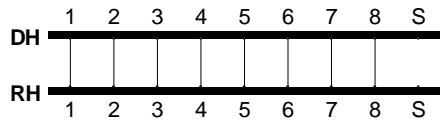
ID cavo 1: 0023  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:10:01  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	34.2m	35.0m	36.0m	34.3m	< 90.0m	OK
Ritardo di propag.	173.5ns	177.1ns	182.0ns	173.9ns	< 510.0ns	OK
Diff. t. ritardo	8.5ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	97.7 Ohm	97.4 Ohm	97.4 Ohm	99.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.1 Ohm	7.7 Ohm	9.4 Ohm	7.2 Ohm	< 20.0 Ohm	OK
Capacità	48.4pF/m	48.4pF/m	48.6pF/m	47.6pF/m	< 66.0pF/m	OK
Riserva	0.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 234.50MHz	N/A	> 35.8 dB	5.7 dB
7,8-5,4	DH	OK	52.5 dB @ 234.00MHz	N/A	> 35.8 dB	16.7 dB
7,8-1,2	DH	OK	61.6 dB @ 250.00MHz	N/A	> 35.3 dB	26.3 dB
3,6-5,4	DH	OK	52.6 dB @ 225.00MHz	N/A	> 36.1 dB	16.5 dB
3,6-1,2	DH	OK	44.1 dB @ 247.00MHz	N/A	> 35.4 dB	8.7 dB
5,4-1,2	DH	OK	48.0 dB @ 246.50MHz	N/A	> 35.4 dB	12.6 dB
7,8-3,6	RH	OK	44.1 dB @ 232.50MHz	N/A	> 35.8 dB	8.3 dB
7,8-5,4	RH	OK	48.3 dB @ 190.00MHz	N/A	> 37.3 dB	11.0 dB
7,8-1,2	RH	OK	53.0 dB @ 210.50MHz	N/A	> 36.5 dB	16.5 dB
3,6-5,4	RH	OK	49.8 dB @ 230.00MHz	N/A	> 35.9 dB	13.9 dB
3,6-1,2	RH	OK	45.4 dB @ 229.50MHz	N/A	> 35.9 dB	9.5 dB
5,4-1,2	RH	OK	51.3 dB @ 248.00MHz	N/A	> 35.4 dB	15.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.1 dB @ 220.50MHz	N/A	> 10.6 dB	6.5 dB
3,6	DH	OK	16.5 dB @ 227.50MHz	N/A	> 10.4 dB	6.1 dB
5,4	DH	OK	18.3 dB @ 228.00MHz	N/A	> 10.4 dB	7.9 dB
1,2	DH	OK	17.1 dB @ 223.00MHz	N/A	> 10.5 dB	6.6 dB
7,8	RH	OK	16.4 dB @ 220.50MHz	N/A	> 10.6 dB	5.8 dB
3,6	RH	OK	16.1 dB @ 176.00MHz	N/A	> 11.5 dB	4.6 dB
5,4	RH	OK	16.9 dB @ 234.50MHz	N/A	> 10.3 dB	6.6 dB
1,2	RH	OK	15.1 dB @ 219.00MHz	N/A	> 10.6 dB	4.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.7 dB @ 233.00MHz	N/A	< 29.9 dB	16.2 dB
3,6	OK	14.8 dB @ 250.00MHz	N/A	< 31.2 dB	16.4 dB
5,4	OK	14.7 dB @ 247.50MHz	N/A	< 31.0 dB	16.3 dB
1,2	OK	13.7 dB @ 234.00MHz	N/A	< 30.0 dB	16.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.1 dB @ 234.50MHz	N/A	>= 5.8 dB	22.3 dB
3,6	DH	OK	27.4 dB @ 235.50MHz	N/A	>= 5.6 dB	21.8 dB
5,4	DH	OK	33.7 dB @ 247.50MHz	N/A	>= 4.4 dB	29.3 dB
1,2	DH	OK	31.3 dB @ 247.00MHz	N/A	>= 4.5 dB	26.8 dB
7,8	RH	OK	31.0 dB @ 232.00MHz	N/A	>= 6.0 dB	25.0 dB
3,6	RH	OK	30.3 dB @ 232.50MHz	N/A	>= 5.9 dB	24.4 dB
5,4	RH	OK	34.8 dB @ 243.00MHz	N/A	>= 4.9 dB	29.9 dB
1,2	RH	OK	32.9 dB @ 229.50MHz	N/A	>= 6.3 dB	26.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0023  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:10:01  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.9 dB @ 249.00MHz	N/A	> 16.2 dB	14.7 dB
7,8-5,4	DH	OK	45.4 dB @ 248.00MHz	N/A	> 16.3 dB	29.1 dB
7,8-1,2	DH	OK	41.4 dB @ 227.50MHz	N/A	> 17.0 dB	24.4 dB
3,6-7,8	DH	OK	31.5 dB @ 233.00MHz	N/A	> 16.8 dB	14.7 dB
3,6-5,4	DH	OK	32.6 dB @ 248.50MHz	N/A	> 16.3 dB	16.3 dB
3,6-1,2	DH	OK	37.2 dB @ 250.00MHz	N/A	> 16.2 dB	21.0 dB
5,4-7,8	DH	OK	45.3 dB @ 159.50MHz	N/A	> 20.1 dB	25.2 dB
5,4-3,6	DH	OK	32.9 dB @ 250.00MHz	N/A	> 16.2 dB	16.7 dB
5,4-1,2	DH	OK	36.6 dB @ 234.00MHz	N/A	> 16.8 dB	19.8 dB
1,2-7,8	DH	OK	41.9 dB @ 226.50MHz	N/A	> 17.1 dB	24.8 dB
1,2-3,6	DH	OK	36.4 dB @ 248.00MHz	N/A	> 16.3 dB	20.1 dB
1,2-5,4	DH	OK	36.1 dB @ 240.00MHz	N/A	> 16.6 dB	19.5 dB
7,8-3,6	RH	OK	31.9 dB @ 248.50MHz	N/A	> 16.3 dB	15.6 dB
7,8-5,4	RH	OK	46.4 dB @ 248.50MHz	N/A	> 16.3 dB	30.1 dB
7,8-1,2	RH	OK	41.3 dB @ 228.50MHz	N/A	> 17.0 dB	24.3 dB
3,6-7,8	RH	OK	30.8 dB @ 235.50MHz	N/A	> 16.7 dB	14.1 dB
3,6-5,4	RH	OK	32.4 dB @ 250.00MHz	N/A	> 16.2 dB	16.2 dB
3,6-1,2	RH	OK	35.7 dB @ 250.00MHz	N/A	> 16.2 dB	19.5 dB
5,4-7,8	RH	OK	44.8 dB @ 198.50MHz	N/A	> 18.2 dB	26.6 dB
5,4-3,6	RH	OK	33.2 dB @ 247.50MHz	N/A	> 16.3 dB	16.9 dB
5,4-1,2	RH	OK	36.3 dB @ 237.00MHz	N/A	> 16.7 dB	19.6 dB
1,2-7,8	RH	OK	42.2 dB @ 224.00MHz	N/A	> 17.2 dB	25.0 dB
1,2-3,6	RH	OK	37.6 dB @ 248.00MHz	N/A	> 16.3 dB	21.3 dB
1,2-5,4	RH	OK	36.5 dB @ 234.00MHz	N/A	> 16.8 dB	19.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 234.50MHz	N/A	> 32.8 dB	8.4 dB
3,6	DH	OK	40.2 dB @ 234.50MHz	N/A	> 32.8 dB	7.4 dB
5,4	DH	OK	46.7 dB @ 246.50MHz	N/A	> 32.4 dB	14.3 dB
1,2	DH	OK	42.7 dB @ 247.00MHz	N/A	> 32.4 dB	10.3 dB
7,8	RH	OK	42.8 dB @ 232.50MHz	N/A	> 32.8 dB	10.0 dB
3,6	RH	OK	42.2 dB @ 230.00MHz	N/A	> 32.9 dB	9.3 dB
5,4	RH	OK	46.2 dB @ 245.00MHz	N/A	> 32.5 dB	13.7 dB
1,2	RH	OK	44.9 dB @ 230.00MHz	N/A	> 32.9 dB	12.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.8 dB @ 234.50MHz	N/A	>= 2.8 dB	25.0 dB
3,6	DH	OK	25.9 dB @ 235.50MHz	N/A	>= 2.6 dB	23.3 dB
5,4	DH	OK	32.4 dB @ 247.50MHz	N/A	>= 1.4 dB	31.0 dB
1,2	DH	OK	29.9 dB @ 247.00MHz	N/A	>= 1.5 dB	28.4 dB
7,8	RH	OK	29.7 dB @ 232.50MHz	N/A	>= 2.9 dB	26.8 dB
3,6	RH	OK	28.0 dB @ 230.00MHz	N/A	>= 3.2 dB	24.8 dB
5,4	RH	OK	31.8 dB @ 245.00MHz	N/A	>= 1.7 dB	30.1 dB
1,2	RH	OK	32.2 dB @ 230.00MHz	N/A	>= 3.2 dB	29.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.0 dB @ 233.00MHz	N/A	>= 13.8 dB	17.2 dB
3,6	DH	OK	28.2 dB @ 250.00MHz	N/A	>= 13.2 dB	15.0 dB
5,4	DH	OK	30.8 dB @ 247.50MHz	N/A	>= 13.3 dB	17.5 dB
1,2	DH	OK	33.7 dB @ 234.00MHz	N/A	>= 13.8 dB	19.9 dB
7,8	RH	OK	31.4 dB @ 248.50MHz	N/A	>= 13.3 dB	18.1 dB
3,6	RH	OK	28.1 dB @ 250.00MHz	N/A	>= 13.2 dB	14.9 dB
5,4	RH	OK	31.4 dB @ 247.50MHz	N/A	>= 13.3 dB	18.1 dB
1,2	RH	OK	33.7 dB @ 234.00MHz	N/A	>= 13.8 dB	19.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0024  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:11:00  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	34.1m	34.9m	36.0m	34.2m	< 90.0m	OK
Ritardo di propag.	173.0ns	176.6ns	181.6ns	173.6ns	< 510.0ns	OK
Diff. t. ritardo	8.6ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	97.8 Ohm	97.3 Ohm	97.2 Ohm	99.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.1 Ohm	8.0 Ohm	9.5 Ohm	7.5 Ohm	< 20.0 Ohm	OK
Capacità	48.3pF/m	48.5pF/m	48.5pF/m	47.5pF/m	< 66.0pF/m	OK
Riserva	0.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.6 dB @ 240.50MHz	N/A	> 35.6 dB	5.0 dB
7,8-5,4	DH	OK	50.5 dB @ 228.50MHz	N/A	> 36.0 dB	14.5 dB
7,8-1,2	DH	OK	58.8 dB @ 206.00MHz	N/A	> 36.7 dB	22.1 dB
3,6-5,4	DH	OK	52.7 dB @ 234.00MHz	N/A	> 35.8 dB	16.9 dB
3,6-1,2	DH	OK	47.7 dB @ 230.00MHz	N/A	> 35.9 dB	11.8 dB
5,4-1,2	DH	OK	47.4 dB @ 250.00MHz	N/A	> 35.3 dB	12.1 dB
7,8-3,6	RH	OK	46.6 dB @ 198.50MHz	N/A	> 37.0 dB	9.6 dB
7,8-5,4	RH	OK	47.5 dB @ 247.50MHz	N/A	> 35.4 dB	12.1 dB
7,8-1,2	RH	OK	49.7 dB @ 246.00MHz	N/A	> 35.4 dB	14.3 dB
3,6-5,4	RH	OK	52.4 dB @ 233.00MHz	N/A	> 35.8 dB	16.6 dB
3,6-1,2	RH	OK	48.6 dB @ 209.00MHz	N/A	> 36.6 dB	12.0 dB
5,4-1,2	RH	OK	49.7 dB @ 246.00MHz	N/A	> 35.4 dB	14.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 224.00MHz	N/A	> 10.5 dB	5.6 dB
3,6	DH	OK	16.7 dB @ 228.00MHz	N/A	> 10.4 dB	6.3 dB
5,4	DH	OK	18.2 dB @ 232.00MHz	N/A	> 10.3 dB	7.9 dB
1,2	DH	OK	18.7 dB @ 178.50MHz	N/A	> 11.5 dB	7.2 dB
7,8	RH	OK	15.3 dB @ 224.50MHz	N/A	> 10.5 dB	4.8 dB
3,6	RH	OK	15.2 dB @ 164.00MHz	N/A	> 11.8 dB	3.4 dB
5,4	RH	OK	16.0 dB @ 235.00MHz	N/A	> 10.3 dB	5.7 dB
1,2	RH	OK	16.4 dB @ 220.00MHz	N/A	> 10.6 dB	5.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.8 dB @ 246.50MHz	N/A	< 30.9 dB	17.1 dB
3,6	OK	14.7 dB @ 232.50MHz	N/A	< 29.9 dB	15.2 dB
5,4	OK	15.2 dB @ 237.50MHz	N/A	< 30.2 dB	15.0 dB
1,2	OK	13.4 dB @ 245.50MHz	N/A	< 30.8 dB	17.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.6 dB @ 238.50MHz	N/A	>= 5.4 dB	22.2 dB
3,6	DH	OK	26.3 dB @ 241.50MHz	N/A	>= 5.1 dB	21.2 dB
5,4	DH	OK	33.2 dB @ 249.50MHz	N/A	>= 4.2 dB	29.0 dB
1,2	DH	OK	34.5 dB @ 250.00MHz	N/A	>= 4.1 dB	30.4 dB
7,8	RH	OK	34.2 dB @ 235.00MHz	N/A	>= 5.8 dB	28.4 dB
3,6	RH	OK	34.2 dB @ 197.50MHz	N/A	>= 9.8 dB	24.4 dB
5,4	RH	OK	33.1 dB @ 237.50MHz	N/A	>= 5.5 dB	27.6 dB
1,2	RH	OK	36.6 dB @ 209.00MHz	N/A	>= 8.5 dB	28.1 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0024  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:11:00  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.9 dB @ 232.50MHz	N/A	> 16.8 dB	16.1 dB
7,8-5,4	DH	OK	43.1 dB @ 249.50MHz	N/A	> 16.2 dB	26.9 dB
7,8-1,2	DH	OK	38.0 dB @ 232.50MHz	N/A	> 16.8 dB	21.2 dB
3,6-7,8	DH	OK	34.5 dB @ 227.00MHz	N/A	> 17.0 dB	17.5 dB
3,6-5,4	DH	OK	31.9 dB @ 249.50MHz	N/A	> 16.2 dB	15.7 dB
3,6-1,2	DH	OK	36.9 dB @ 183.50MHz	N/A	> 18.9 dB	18.0 dB
5,4-7,8	DH	OK	43.5 dB @ 250.00MHz	N/A	> 16.2 dB	27.3 dB
5,4-3,6	DH	OK	31.9 dB @ 241.50MHz	N/A	> 16.5 dB	15.4 dB
5,4-1,2	DH	OK	40.3 dB @ 243.00MHz	N/A	> 16.5 dB	23.8 dB
1,2-7,8	DH	OK	37.3 dB @ 211.00MHz	N/A	> 17.7 dB	19.6 dB
1,2-3,6	DH	OK	39.1 dB @ 232.50MHz	N/A	> 16.8 dB	22.3 dB
1,2-5,4	DH	OK	37.6 dB @ 249.50MHz	N/A	> 16.2 dB	21.4 dB
7,8-3,6	RH	OK	34.2 dB @ 234.00MHz	N/A	> 16.8 dB	17.4 dB
7,8-5,4	RH	OK	44.3 dB @ 249.00MHz	N/A	> 16.2 dB	28.1 dB
7,8-1,2	RH	OK	37.5 dB @ 232.00MHz	N/A	> 16.9 dB	20.6 dB
3,6-7,8	RH	OK	33.5 dB @ 232.50MHz	N/A	> 16.8 dB	16.7 dB
3,6-5,4	RH	OK	32.0 dB @ 241.00MHz	N/A	> 16.5 dB	15.5 dB
3,6-1,2	RH	OK	36.0 dB @ 180.50MHz	N/A	> 19.0 dB	17.0 dB
5,4-7,8	RH	OK	42.0 dB @ 249.50MHz	N/A	> 16.2 dB	25.8 dB
5,4-3,6	RH	OK	31.6 dB @ 237.50MHz	N/A	> 16.7 dB	14.9 dB
5,4-1,2	RH	OK	38.6 dB @ 237.50MHz	N/A	> 16.7 dB	21.9 dB
1,2-7,8	RH	OK	37.8 dB @ 221.00MHz	N/A	> 17.3 dB	20.5 dB
1,2-3,6	RH	OK	40.1 dB @ 221.00MHz	N/A	> 17.3 dB	22.8 dB
1,2-5,4	RH	OK	39.1 dB @ 249.50MHz	N/A	> 16.2 dB	22.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.3 dB @ 240.50MHz	N/A	> 32.6 dB	7.7 dB
3,6	DH	OK	40.1 dB @ 240.50MHz	N/A	> 32.6 dB	7.5 dB
5,4	DH	OK	46.4 dB @ 250.00MHz	N/A	> 32.3 dB	14.1 dB
1,2	DH	OK	45.1 dB @ 250.00MHz	N/A	> 32.3 dB	12.8 dB
7,8	RH	OK	44.4 dB @ 247.50MHz	N/A	> 32.4 dB	12.0 dB
3,6	RH	OK	44.7 dB @ 198.50MHz	N/A	> 34.0 dB	10.7 dB
5,4	RH	OK	45.1 dB @ 247.00MHz	N/A	> 32.4 dB	12.7 dB
1,2	RH	OK	45.4 dB @ 246.00MHz	N/A	> 32.4 dB	13.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.3 dB @ 238.50MHz	N/A	>= 2.4 dB	24.9 dB
3,6	DH	OK	25.8 dB @ 241.50MHz	N/A	>= 2.1 dB	23.7 dB
5,4	DH	OK	32.1 dB @ 237.50MHz	N/A	>= 2.5 dB	29.6 dB
1,2	DH	OK	32.2 dB @ 250.00MHz	N/A	>= 1.1 dB	31.1 dB
7,8	RH	OK	31.1 dB @ 246.50MHz	N/A	>= 1.5 dB	29.6 dB
3,6	RH	OK	32.4 dB @ 232.50MHz	N/A	>= 2.9 dB	29.5 dB
5,4	RH	OK	30.7 dB @ 246.50MHz	N/A	>= 1.5 dB	29.2 dB
1,2	RH	OK	32.3 dB @ 245.50MHz	N/A	>= 1.6 dB	30.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.6 dB @ 225.50MHz	N/A	>= 14.1 dB	18.5 dB
3,6	DH	OK	29.3 dB @ 232.50MHz	N/A	>= 13.8 dB	15.5 dB
5,4	DH	OK	30.6 dB @ 249.50MHz	N/A	>= 13.2 dB	17.4 dB
1,2	DH	OK	34.4 dB @ 221.00MHz	N/A	>= 14.3 dB	20.1 dB
7,8	RH	OK	32.3 dB @ 232.00MHz	N/A	>= 13.9 dB	18.4 dB
3,6	RH	OK	29.2 dB @ 232.50MHz	N/A	>= 13.8 dB	15.4 dB
5,4	RH	OK	30.5 dB @ 237.50MHz	N/A	>= 13.7 dB	16.8 dB
1,2	RH	OK	34.6 dB @ 243.00MHz	N/A	>= 13.5 dB	21.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

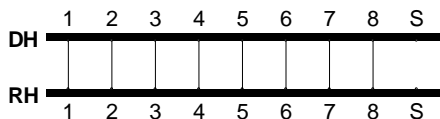
**OK**

ID cavo 1: 0025  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:12:02  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

**Coppia (NVP)**

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	34.0m	34.8m	35.9m	34.1m	< 90.0m	OK
Ritardo di propag.	172.7ns	176.2ns	181.1ns	173.1ns	< 510.0ns	OK
Diff. t. ritardo	8.4ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	97.7 Ohm	97.4 Ohm	97.3 Ohm	99.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.0 Ohm	7.6 Ohm	9.4 Ohm	7.5 Ohm	< 20.0 Ohm	OK
Capacità	48.4pF/m	48.5pF/m	48.5pF/m	47.6pF/m	< 66.0pF/m	OK
Riserva	0.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.3 dB @ 248.50MHz	N/A	> 35.4 dB	5.9 dB
7,8-5,4	DH	OK	55.8 dB @ 232.00MHz	N/A	> 35.8 dB	20.0 dB
7,8-1,2	DH	OK	61.7 dB @ 179.00MHz	N/A	> 37.7 dB	24.0 dB
3,6-5,4	DH	OK	52.0 dB @ 234.50MHz	N/A	> 35.8 dB	16.2 dB
3,6-1,2	DH	OK	46.0 dB @ 250.00MHz	N/A	> 35.3 dB	10.7 dB
5,4-1,2	DH	OK	49.2 dB @ 250.00MHz	N/A	> 35.3 dB	13.9 dB
7,8-3,6	RH	OK	47.6 dB @ 244.00MHz	N/A	> 35.5 dB	12.1 dB
7,8-5,4	RH	OK	45.6 dB @ 233.00MHz	N/A	> 35.8 dB	9.8 dB
7,8-1,2	RH	OK	53.1 dB @ 209.00MHz	N/A	> 36.6 dB	16.5 dB
3,6-5,4	RH	OK	51.1 dB @ 225.50MHz	N/A	> 36.0 dB	15.1 dB
3,6-1,2	RH	OK	48.1 dB @ 235.00MHz	N/A	> 35.8 dB	12.3 dB
5,4-1,2	RH	OK	50.4 dB @ 203.50MHz	N/A	> 36.8 dB	13.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.8 dB @ 225.00MHz	N/A	> 10.5 dB	6.3 dB
3,6	DH	OK	16.3 dB @ 229.00MHz	N/A	> 10.4 dB	5.9 dB
5,4	DH	OK	18.3 dB @ 227.50MHz	N/A	> 10.4 dB	7.9 dB
1,2	DH	OK	18.3 dB @ 179.00MHz	N/A	> 11.5 dB	6.8 dB
7,8	RH	OK	14.3 dB @ 221.50MHz	N/A	> 10.5 dB	3.8 dB
3,6	RH	OK	16.1 dB @ 229.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	RH	OK	16.9 dB @ 227.00MHz	N/A	> 10.4 dB	6.5 dB
1,2	RH	OK	17.9 dB @ 226.00MHz	N/A	> 10.4 dB	7.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.8 dB @ 250.00MHz	N/A	< 31.2 dB	17.4 dB
3,6	OK	15.4 dB @ 244.50MHz	N/A	< 30.7 dB	15.3 dB
5,4	OK	14.5 dB @ 249.00MHz	N/A	< 31.1 dB	16.6 dB
1,2	OK	13.2 dB @ 249.00MHz	N/A	< 31.1 dB	17.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.8 dB @ 250.00MHz	N/A	>= 4.1 dB	23.7 dB
3,6	DH	OK	26.2 dB @ 244.50MHz	N/A	>= 4.8 dB	21.4 dB
5,4	DH	OK	35.4 dB @ 250.00MHz	N/A	>= 4.1 dB	31.3 dB
1,2	DH	OK	33.1 dB @ 250.00MHz	N/A	>= 4.1 dB	29.0 dB
7,8	RH	OK	32.7 dB @ 233.00MHz	N/A	>= 5.9 dB	26.8 dB
3,6	RH	OK	32.3 dB @ 244.50MHz	N/A	>= 4.8 dB	27.5 dB
5,4	RH	OK	31.9 dB @ 233.00MHz	N/A	>= 5.9 dB	26.0 dB
1,2	RH	OK	35.8 dB @ 235.50MHz	N/A	>= 5.6 dB	30.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0025  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:12:02  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.9 dB @ 244.50MHz	N/A	> 16.4 dB	15.5 dB
7,8-5,4	DH	OK	42.6 dB @ 249.50MHz	N/A	> 16.2 dB	26.4 dB
7,8-1,2	DH	OK	52.7 dB @ 201.50MHz	N/A	> 18.1 dB	34.6 dB
3,6-7,8	DH	OK	34.4 dB @ 248.00MHz	N/A	> 16.3 dB	18.1 dB
3,6-5,4	DH	OK	31.1 dB @ 249.00MHz	N/A	> 16.2 dB	14.9 dB
3,6-1,2	DH	OK	39.6 dB @ 187.00MHz	N/A	> 18.7 dB	20.9 dB
5,4-7,8	DH	OK	42.6 dB @ 205.50MHz	N/A	> 17.9 dB	24.7 dB
5,4-3,6	DH	OK	30.3 dB @ 244.50MHz	N/A	> 16.4 dB	13.9 dB
5,4-1,2	DH	OK	37.5 dB @ 233.50MHz	N/A	> 16.8 dB	20.7 dB
1,2-7,8	DH	OK	52.3 dB @ 250.00MHz	N/A	> 16.2 dB	36.1 dB
1,2-3,6	DH	OK	41.4 dB @ 211.00MHz	N/A	> 17.7 dB	23.7 dB
1,2-5,4	DH	OK	36.1 dB @ 249.00MHz	N/A	> 16.2 dB	19.9 dB
7,8-3,6	RH	OK	32.8 dB @ 222.50MHz	N/A	> 17.2 dB	15.6 dB
7,8-5,4	RH	OK	43.1 dB @ 248.00MHz	N/A	> 16.3 dB	26.8 dB
7,8-1,2	RH	OK	52.5 dB @ 200.00MHz	N/A	> 18.1 dB	34.4 dB
3,6-7,8	RH	OK	33.2 dB @ 249.00MHz	N/A	> 16.2 dB	17.0 dB
3,6-5,4	RH	OK	30.3 dB @ 244.50MHz	N/A	> 16.4 dB	13.9 dB
3,6-1,2	RH	OK	38.7 dB @ 184.50MHz	N/A	> 18.8 dB	19.9 dB
5,4-7,8	RH	OK	42.1 dB @ 208.00MHz	N/A	> 17.8 dB	24.3 dB
5,4-3,6	RH	OK	31.2 dB @ 247.00MHz	N/A	> 16.3 dB	14.9 dB
5,4-1,2	RH	OK	36.2 dB @ 236.50MHz	N/A	> 16.7 dB	19.5 dB
1,2-7,8	RH	OK	52.9 dB @ 248.50MHz	N/A	> 16.3 dB	36.6 dB
1,2-3,6	RH	OK	42.4 dB @ 210.00MHz	N/A	> 17.7 dB	24.7 dB
1,2-5,4	RH	OK	37.1 dB @ 248.50MHz	N/A	> 16.3 dB	20.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 248.50MHz	N/A	> 32.4 dB	8.8 dB
3,6	DH	OK	40.0 dB @ 250.00MHz	N/A	> 32.3 dB	7.7 dB
5,4	DH	OK	47.9 dB @ 250.00MHz	N/A	> 32.3 dB	15.6 dB
1,2	DH	OK	44.2 dB @ 250.00MHz	N/A	> 32.3 dB	11.9 dB
7,8	RH	OK	44.3 dB @ 233.00MHz	N/A	> 32.8 dB	11.5 dB
3,6	RH	OK	45.1 dB @ 250.00MHz	N/A	> 32.3 dB	12.8 dB
5,4	RH	OK	45.0 dB @ 232.00MHz	N/A	> 32.8 dB	12.2 dB
1,2	RH	OK	46.6 dB @ 250.00MHz	N/A	> 32.3 dB	14.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.7 dB @ 250.00MHz	N/A	>= 1.1 dB	26.6 dB
3,6	DH	OK	25.0 dB @ 244.50MHz	N/A	>= 1.8 dB	23.2 dB
5,4	DH	OK	34.0 dB @ 249.00MHz	N/A	>= 1.2 dB	32.8 dB
1,2	DH	OK	31.3 dB @ 250.00MHz	N/A	>= 1.1 dB	30.2 dB
7,8	RH	OK	30.9 dB @ 248.00MHz	N/A	>= 1.4 dB	29.5 dB
3,6	RH	OK	29.9 dB @ 244.50MHz	N/A	>= 1.8 dB	28.1 dB
5,4	RH	OK	31.4 dB @ 247.00MHz	N/A	>= 1.5 dB	29.9 dB
1,2	RH	OK	33.7 dB @ 250.00MHz	N/A	>= 1.1 dB	32.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.8 dB @ 250.00MHz	N/A	>= 13.2 dB	20.6 dB
3,6	DH	OK	27.8 dB @ 244.50MHz	N/A	>= 13.4 dB	14.4 dB
5,4	DH	OK	29.6 dB @ 249.00MHz	N/A	>= 13.2 dB	16.4 dB
1,2	DH	OK	36.7 dB @ 233.50MHz	N/A	>= 13.8 dB	22.9 dB
7,8	RH	OK	32.4 dB @ 222.50MHz	N/A	>= 14.2 dB	18.2 dB
3,6	RH	OK	28.3 dB @ 244.50MHz	N/A	>= 13.4 dB	14.9 dB
5,4	RH	OK	29.7 dB @ 247.00MHz	N/A	>= 13.3 dB	16.4 dB
1,2	RH	OK	36.1 dB @ 248.50MHz	N/A	>= 13.3 dB	22.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

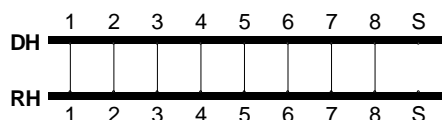
**OK**

ID cavo 1: 0026  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:13:02  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	33.9m	34.7m	35.8m	34.0m	< 90.0m	OK
Ritardo di propag.	172.1ns	175.7ns	180.6ns	172.5ns	< 510.0ns	OK
Diff. t. ritardo	8.5ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	97.6 Ohm	97.2 Ohm	97.0 Ohm	98.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.3 Ohm	7.8 Ohm	9.5 Ohm	7.4 Ohm	< 20.0 Ohm	OK
Capacità	48.4pF/m	48.6pF/m	48.6pF/m	47.8pF/m	< 66.0pF/m	OK
Riserva	0.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.5 dB @ 236.50MHz	N/A	> 35.7 dB	4.8 dB
7,8-5,4	DH	OK	55.2 dB @ 216.50MHz	N/A	> 36.3 dB	18.9 dB
7,8-1,2	DH	OK	59.3 dB @ 225.00MHz	N/A	> 36.1 dB	23.2 dB
3,6-5,4	DH	OK	53.4 dB @ 234.50MHz	N/A	> 35.8 dB	17.6 dB
3,6-1,2	DH	OK	44.5 dB @ 245.00MHz	N/A	> 35.5 dB	9.0 dB
5,4-1,2	DH	OK	48.3 dB @ 249.50MHz	N/A	> 35.3 dB	13.0 dB
7,8-3,6	RH	OK	44.0 dB @ 229.00MHz	N/A	> 35.9 dB	8.1 dB
7,8-5,4	RH	OK	44.7 dB @ 244.00MHz	N/A	> 35.5 dB	9.2 dB
7,8-1,2	RH	OK	48.2 dB @ 200.50MHz	N/A	> 36.9 dB	11.3 dB
3,6-5,4	RH	OK	50.9 dB @ 244.50MHz	N/A	> 35.5 dB	15.4 dB
3,6-1,2	RH	OK	46.9 dB @ 232.50MHz	N/A	> 35.8 dB	11.1 dB
5,4-1,2	RH	OK	48.4 dB @ 250.00MHz	N/A	> 35.3 dB	13.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.8 dB @ 231.50MHz	N/A	> 10.3 dB	6.5 dB
3,6	DH	OK	16.3 dB @ 229.50MHz	N/A	> 10.4 dB	5.9 dB
5,4	DH	OK	18.9 dB @ 236.50MHz	N/A	> 10.3 dB	8.6 dB
1,2	DH	OK	17.5 dB @ 173.50MHz	N/A	> 11.6 dB	5.9 dB
7,8	RH	OK	14.3 dB @ 219.00MHz	N/A	> 10.6 dB	3.7 dB
3,6	RH	OK	16.1 dB @ 226.50MHz	N/A	> 10.4 dB	5.7 dB
5,4	RH	OK	17.9 dB @ 225.00MHz	N/A	> 10.5 dB	7.4 dB
1,2	RH	OK	17.8 dB @ 224.00MHz	N/A	> 10.5 dB	7.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.5 dB @ 233.00MHz	N/A	< 29.9 dB	16.4 dB
3,6	OK	14.8 dB @ 233.50MHz	N/A	< 29.9 dB	15.1 dB
5,4	OK	14.5 dB @ 247.00MHz	N/A	< 30.9 dB	16.4 dB
1,2	OK	13.3 dB @ 242.00MHz	N/A	< 30.6 dB	17.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.6 dB @ 236.00MHz	N/A	>= 5.6 dB	22.0 dB
3,6	DH	OK	26.7 dB @ 236.00MHz	N/A	>= 5.6 dB	21.1 dB
5,4	DH	OK	34.4 dB @ 249.50MHz	N/A	>= 4.2 dB	30.2 dB
1,2	DH	OK	31.6 dB @ 245.00MHz	N/A	>= 4.7 dB	26.9 dB
7,8	RH	OK	31.2 dB @ 229.00MHz	N/A	>= 6.3 dB	24.9 dB
3,6	RH	OK	30.2 dB @ 229.00MHz	N/A	>= 6.3 dB	23.9 dB
5,4	RH	OK	31.0 dB @ 244.00MHz	N/A	>= 4.8 dB	26.2 dB
1,2	RH	OK	34.1 dB @ 232.50MHz	N/A	>= 5.9 dB	28.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0026  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:13:02  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.1 dB @ 250.00MHz	N/A	> 16.2 dB	15.9 dB
7,8-5,4	DH	OK	43.2 dB @ 230.50MHz	N/A	> 16.9 dB	26.3 dB
7,8-1,2	DH	OK	40.6 dB @ 226.50MHz	N/A	> 17.1 dB	23.5 dB
3,6-7,8	DH	OK	33.3 dB @ 248.50MHz	N/A	> 16.3 dB	17.0 dB
3,6-5,4	DH	OK	33.4 dB @ 247.50MHz	N/A	> 16.3 dB	17.1 dB
3,6-1,2	DH	OK	37.5 dB @ 218.50MHz	N/A	> 17.4 dB	20.1 dB
5,4-7,8	DH	OK	43.8 dB @ 234.00MHz	N/A	> 16.8 dB	27.0 dB
5,4-3,6	DH	OK	33.5 dB @ 248.50MHz	N/A	> 16.3 dB	17.2 dB
5,4-1,2	DH	OK	37.2 dB @ 230.50MHz	N/A	> 16.9 dB	20.3 dB
1,2-7,8	DH	OK	41.8 dB @ 230.50MHz	N/A	> 16.9 dB	24.9 dB
1,2-3,6	DH	OK	35.8 dB @ 222.00MHz	N/A	> 17.2 dB	18.6 dB
1,2-5,4	DH	OK	36.1 dB @ 236.00MHz	N/A	> 16.7 dB	19.4 dB
7,8-3,6	RH	OK	33.2 dB @ 250.00MHz	N/A	> 16.2 dB	17.0 dB
7,8-5,4	RH	OK	43.9 dB @ 230.50MHz	N/A	> 16.9 dB	27.0 dB
7,8-1,2	RH	OK	40.6 dB @ 233.00MHz	N/A	> 16.8 dB	23.8 dB
3,6-7,8	RH	OK	32.1 dB @ 248.50MHz	N/A	> 16.3 dB	15.8 dB
3,6-5,4	RH	OK	33.2 dB @ 248.50MHz	N/A	> 16.3 dB	16.9 dB
3,6-1,2	RH	OK	36.4 dB @ 222.00MHz	N/A	> 17.2 dB	19.2 dB
5,4-7,8	RH	OK	42.9 dB @ 226.00MHz	N/A	> 17.1 dB	25.8 dB
5,4-3,6	RH	OK	33.9 dB @ 242.00MHz	N/A	> 16.5 dB	17.4 dB
5,4-1,2	RH	OK	36.0 dB @ 236.00MHz	N/A	> 16.7 dB	19.3 dB
1,2-7,8	RH	OK	42.1 dB @ 230.50MHz	N/A	> 16.9 dB	25.2 dB
1,2-3,6	RH	OK	36.9 dB @ 215.50MHz	N/A	> 17.5 dB	19.4 dB
1,2-5,4	RH	OK	37.5 dB @ 242.00MHz	N/A	> 16.5 dB	21.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.3 dB @ 236.50MHz	N/A	> 32.7 dB	7.6 dB
3,6	DH	OK	39.5 dB @ 235.50MHz	N/A	> 32.7 dB	6.8 dB
5,4	DH	OK	47.4 dB @ 216.50MHz	N/A	> 33.3 dB	14.1 dB
1,2	DH	OK	43.4 dB @ 245.00MHz	N/A	> 32.5 dB	10.9 dB
7,8	RH	OK	42.2 dB @ 229.50MHz	N/A	> 32.9 dB	9.3 dB
3,6	RH	OK	42.7 dB @ 229.00MHz	N/A	> 32.9 dB	9.8 dB
5,4	RH	OK	42.9 dB @ 244.00MHz	N/A	> 32.5 dB	10.4 dB
1,2	RH	OK	44.5 dB @ 250.00MHz	N/A	> 32.3 dB	12.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.4 dB @ 236.00MHz	N/A	>= 2.6 dB	24.8 dB
3,6	DH	OK	25.8 dB @ 236.00MHz	N/A	>= 2.6 dB	23.2 dB
5,4	DH	OK	34.1 dB @ 249.00MHz	N/A	>= 1.2 dB	32.9 dB
1,2	DH	OK	30.5 dB @ 245.00MHz	N/A	>= 1.7 dB	28.8 dB
7,8	RH	OK	29.4 dB @ 229.00MHz	N/A	>= 3.3 dB	26.1 dB
3,6	RH	OK	28.9 dB @ 229.00MHz	N/A	>= 3.3 dB	25.6 dB
5,4	RH	OK	29.2 dB @ 244.00MHz	N/A	>= 1.8 dB	27.4 dB
1,2	RH	OK	31.8 dB @ 250.00MHz	N/A	>= 1.1 dB	30.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.5 dB @ 248.50MHz	N/A	>= 13.3 dB	19.2 dB
3,6	DH	OK	29.3 dB @ 233.50MHz	N/A	>= 13.8 dB	15.5 dB
5,4	DH	OK	31.4 dB @ 247.00MHz	N/A	>= 13.3 dB	18.1 dB
1,2	DH	OK	33.6 dB @ 230.50MHz	N/A	>= 13.9 dB	19.7 dB
7,8	RH	OK	32.4 dB @ 250.00MHz	N/A	>= 13.2 dB	19.2 dB
3,6	RH	OK	29.0 dB @ 233.50MHz	N/A	>= 13.8 dB	15.2 dB
5,4	RH	OK	31.6 dB @ 239.50MHz	N/A	>= 13.6 dB	18.0 dB
1,2	RH	OK	34.1 dB @ 226.50MHz	N/A	>= 14.1 dB	20.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

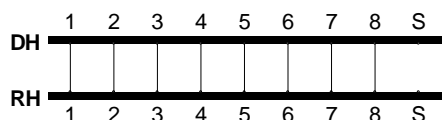
**OK**

ID cavo 1: 0027  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:14:11  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.8m	41.0m	42.0m	39.8m	< 90.0m	OK
Ritardo di propag.	199.5ns	204.8ns	209.7ns	199.3ns	< 510.0ns	OK
Diff. t. ritardo	10.4ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.9 Ohm	98.8 Ohm	95.8 Ohm	100.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.9 Ohm	8.6 Ohm	10.0 Ohm	8.4 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	47.7pF/m	49.3pF/m	47.0pF/m	< 66.0pF/m	OK
Riserva	6.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.6 dB @ 241.50MHz	N/A	> 35.6 dB	5.0 dB
7,8-5,4	DH	OK	53.5 dB @ 232.50MHz	N/A	> 35.8 dB	17.7 dB
7,8-1,2	DH	OK	56.8 dB @ 214.50MHz	N/A	> 36.4 dB	20.4 dB
3,6-5,4	DH	OK	53.0 dB @ 167.50MHz	N/A	> 38.2 dB	14.8 dB
3,6-1,2	DH	OK	45.7 dB @ 228.00MHz	N/A	> 36.0 dB	9.7 dB
5,4-1,2	DH	OK	48.5 dB @ 250.00MHz	N/A	> 35.3 dB	13.2 dB
7,8-3,6	RH	OK	48.3 dB @ 233.50MHz	N/A	> 35.8 dB	12.5 dB
7,8-5,4	RH	OK	47.0 dB @ 222.00MHz	N/A	> 36.2 dB	10.8 dB
7,8-1,2	RH	OK	51.5 dB @ 214.00MHz	N/A	> 36.4 dB	15.1 dB
3,6-5,4	RH	OK	52.4 dB @ 216.00MHz	N/A	> 36.4 dB	16.0 dB
3,6-1,2	RH	OK	48.7 dB @ 246.00MHz	N/A	> 35.4 dB	13.3 dB
5,4-1,2	RH	OK	52.1 dB @ 211.00MHz	N/A	> 36.5 dB	15.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 224.00MHz	N/A	> 10.5 dB	5.9 dB
3,6	DH	OK	16.1 dB @ 229.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	DH	OK	17.3 dB @ 227.50MHz	N/A	> 10.4 dB	6.9 dB
1,2	DH	OK	16.6 dB @ 223.50MHz	N/A	> 10.5 dB	6.1 dB
7,8	RH	OK	15.1 dB @ 224.50MHz	N/A	> 10.5 dB	4.6 dB
3,6	RH	OK	16.1 dB @ 229.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	RH	OK	18.3 dB @ 224.50MHz	N/A	> 10.5 dB	7.8 dB
1,2	RH	OK	17.2 dB @ 224.50MHz	N/A	> 10.5 dB	6.7 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.7 dB @ 248.00MHz	N/A	< 31.0 dB	17.3 dB
3,6	OK	14.1 dB @ 238.50MHz	N/A	< 30.3 dB	16.2 dB
5,4	OK	14.6 dB @ 246.50MHz	N/A	< 30.9 dB	16.3 dB
1,2	OK	13.4 dB @ 240.50MHz	N/A	< 30.4 dB	17.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.5 dB @ 241.50MHz	N/A	>= 5.1 dB	22.4 dB
3,6	DH	OK	27.0 dB @ 241.50MHz	N/A	>= 5.1 dB	21.9 dB
5,4	DH	OK	34.6 dB @ 249.50MHz	N/A	>= 4.2 dB	30.4 dB
1,2	DH	OK	33.4 dB @ 228.00MHz	N/A	>= 6.5 dB	26.9 dB
7,8	RH	OK	34.4 dB @ 221.50MHz	N/A	>= 7.2 dB	27.2 dB
3,6	RH	OK	34.9 dB @ 234.00MHz	N/A	>= 5.8 dB	29.1 dB
5,4	RH	OK	33.5 dB @ 227.50MHz	N/A	>= 6.5 dB	27.0 dB
1,2	RH	OK	35.6 dB @ 245.50MHz	N/A	>= 4.6 dB	31.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0027  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:14:11  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.7 dB @ 222.50MHz	N/A	> 17.2 dB	13.5 dB
7,8-5,4	DH	OK	43.3 dB @ 206.00MHz	N/A	> 17.9 dB	25.4 dB
7,8-1,2	DH	OK	52.6 dB @ 216.50MHz	N/A	> 17.5 dB	35.1 dB
3,6-7,8	DH	OK	31.9 dB @ 231.50MHz	N/A	> 16.9 dB	15.0 dB
3,6-5,4	DH	OK	32.7 dB @ 246.50MHz	N/A	> 16.3 dB	16.4 dB
3,6-1,2	DH	OK	42.9 dB @ 250.00MHz	N/A	> 16.2 dB	26.7 dB
5,4-7,8	DH	OK	42.6 dB @ 221.00MHz	N/A	> 17.3 dB	25.3 dB
5,4-3,6	DH	OK	33.6 dB @ 240.00MHz	N/A	> 16.6 dB	17.0 dB
5,4-1,2	DH	OK	41.4 dB @ 198.00MHz	N/A	> 18.2 dB	23.2 dB
1,2-7,8	DH	OK	52.3 dB @ 219.50MHz	N/A	> 17.3 dB	35.0 dB
1,2-3,6	DH	OK	43.1 dB @ 250.00MHz	N/A	> 16.2 dB	26.9 dB
1,2-5,4	DH	OK	39.5 dB @ 214.00MHz	N/A	> 17.6 dB	21.9 dB
7,8-3,6	RH	OK	31.4 dB @ 221.00MHz	N/A	> 17.3 dB	14.1 dB
7,8-5,4	RH	OK	44.0 dB @ 208.50MHz	N/A	> 17.8 dB	26.2 dB
7,8-1,2	RH	OK	52.6 dB @ 215.00MHz	N/A	> 17.5 dB	35.1 dB
3,6-7,8	RH	OK	31.2 dB @ 238.50MHz	N/A	> 16.6 dB	14.6 dB
3,6-5,4	RH	OK	33.5 dB @ 250.00MHz	N/A	> 16.2 dB	17.3 dB
3,6-1,2	RH	OK	42.1 dB @ 249.50MHz	N/A	> 16.2 dB	25.9 dB
5,4-7,8	RH	OK	42.0 dB @ 221.00MHz	N/A	> 17.3 dB	24.7 dB
5,4-3,6	RH	OK	33.2 dB @ 247.00MHz	N/A	> 16.3 dB	16.9 dB
5,4-1,2	RH	OK	40.4 dB @ 198.50MHz	N/A	> 18.2 dB	22.2 dB
1,2-7,8	RH	OK	52.8 dB @ 230.00MHz	N/A	> 16.9 dB	35.9 dB
1,2-3,6	RH	OK	43.6 dB @ 250.00MHz	N/A	> 16.2 dB	27.4 dB
1,2-5,4	RH	OK	40.9 dB @ 216.50MHz	N/A	> 17.5 dB	23.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.5 dB @ 241.50MHz	N/A	> 32.6 dB	7.9 dB
3,6	DH	OK	39.7 dB @ 242.50MHz	N/A	> 32.5 dB	7.2 dB
5,4	DH	OK	47.8 dB @ 249.50MHz	N/A	> 32.3 dB	15.5 dB
1,2	DH	OK	44.4 dB @ 249.50MHz	N/A	> 32.3 dB	12.1 dB
7,8	RH	OK	44.7 dB @ 233.50MHz	N/A	> 32.8 dB	11.9 dB
3,6	RH	OK	45.4 dB @ 233.50MHz	N/A	> 32.8 dB	12.6 dB
5,4	RH	OK	46.1 dB @ 222.00MHz	N/A	> 33.2 dB	12.9 dB
1,2	RH	OK	46.7 dB @ 211.00MHz	N/A	> 33.5 dB	13.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.4 dB @ 241.50MHz	N/A	>= 2.1 dB	25.3 dB
3,6	DH	OK	26.1 dB @ 240.00MHz	N/A	>= 2.2 dB	23.9 dB
5,4	DH	OK	33.9 dB @ 249.50MHz	N/A	>= 1.2 dB	32.7 dB
1,2	DH	OK	31.5 dB @ 250.00MHz	N/A	>= 1.1 dB	30.4 dB
7,8	RH	OK	31.7 dB @ 233.50MHz	N/A	>= 2.9 dB	28.8 dB
3,6	RH	OK	31.8 dB @ 234.00MHz	N/A	>= 2.8 dB	29.0 dB
5,4	RH	OK	32.7 dB @ 244.00MHz	N/A	>= 1.8 dB	30.9 dB
1,2	RH	OK	34.3 dB @ 245.50MHz	N/A	>= 1.6 dB	32.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.5 dB @ 231.50MHz	N/A	>= 13.9 dB	17.6 dB
3,6	DH	OK	28.8 dB @ 222.50MHz	N/A	>= 14.2 dB	14.6 dB
5,4	DH	OK	32.3 dB @ 246.50MHz	N/A	>= 13.3 dB	19.0 dB
1,2	DH	OK	40.0 dB @ 198.00MHz	N/A	>= 15.2 dB	24.8 dB
7,8	RH	OK	31.2 dB @ 221.00MHz	N/A	>= 14.3 dB	16.9 dB
3,6	RH	OK	29.1 dB @ 238.50MHz	N/A	>= 13.6 dB	15.5 dB
5,4	RH	OK	32.6 dB @ 247.00MHz	N/A	>= 13.3 dB	19.3 dB
1,2	RH	OK	39.6 dB @ 216.50MHz	N/A	>= 14.5 dB	25.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0028  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:15:10  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.9m	41.0m	42.1m	39.9m	< 90.0m	OK
Ritardo di propag.	200.0ns	205.0ns	210.1ns	199.6ns	< 510.0ns	OK
Diff. t. ritardo	10.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.8 Ohm	98.9 Ohm	95.7 Ohm	100.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.3 Ohm	8.8 Ohm	10.1 Ohm	8.3 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	47.8pF/m	49.4pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	5.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.1 dB @ 250.00MHz	N/A	> 35.3 dB	5.8 dB
7,8-5,4	DH	OK	51.1 dB @ 217.00MHz	N/A	> 36.3 dB	14.8 dB
7,8-1,2	DH	OK	57.6 dB @ 205.00MHz	N/A	> 36.7 dB	20.9 dB
3,6-5,4	DH	OK	52.9 dB @ 243.50MHz	N/A	> 35.5 dB	17.4 dB
3,6-1,2	DH	OK	45.9 dB @ 241.00MHz	N/A	> 35.6 dB	10.3 dB
5,4-1,2	DH	OK	49.6 dB @ 250.00MHz	N/A	> 35.3 dB	14.3 dB
7,8-3,6	RH	OK	47.9 dB @ 230.50MHz	N/A	> 35.9 dB	12.0 dB
7,8-5,4	RH	OK	45.5 dB @ 225.50MHz	N/A	> 36.0 dB	9.5 dB
7,8-1,2	RH	OK	54.3 dB @ 196.00MHz	N/A	> 37.0 dB	17.3 dB
3,6-5,4	RH	OK	53.0 dB @ 220.50MHz	N/A	> 36.2 dB	16.8 dB
3,6-1,2	RH	OK	46.6 dB @ 231.50MHz	N/A	> 35.9 dB	10.7 dB
5,4-1,2	RH	OK	51.7 dB @ 250.00MHz	N/A	> 35.3 dB	16.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 172.50MHz	N/A	> 11.6 dB	4.3 dB
3,6	DH	OK	16.7 dB @ 233.50MHz	N/A	> 10.3 dB	6.4 dB
5,4	DH	OK	17.6 dB @ 232.00MHz	N/A	> 10.3 dB	7.3 dB
1,2	DH	OK	18.4 dB @ 175.00MHz	N/A	> 11.6 dB	6.8 dB
7,8	RH	OK	15.7 dB @ 225.50MHz	N/A	> 10.5 dB	5.2 dB
3,6	RH	OK	15.9 dB @ 221.00MHz	N/A	> 10.5 dB	5.4 dB
5,4	RH	OK	16.9 dB @ 226.50MHz	N/A	> 10.4 dB	6.5 dB
1,2	RH	OK	17.5 dB @ 215.50MHz	N/A	> 10.7 dB	6.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.8 dB @ 245.00MHz	N/A	< 30.8 dB	17.0 dB
3,6	OK	14.1 dB @ 244.50MHz	N/A	< 30.7 dB	16.6 dB
5,4	OK	14.8 dB @ 246.00MHz	N/A	< 30.9 dB	16.1 dB
1,2	OK	13.1 dB @ 247.50MHz	N/A	< 31.0 dB	17.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.0 dB @ 249.50MHz	N/A	>= 4.2 dB	23.8 dB
3,6	DH	OK	27.1 dB @ 250.00MHz	N/A	>= 4.1 dB	23.0 dB
5,4	DH	OK	35.1 dB @ 248.50MHz	N/A	>= 4.4 dB	30.7 dB
1,2	DH	OK	33.2 dB @ 250.00MHz	N/A	>= 4.1 dB	29.1 dB
7,8	RH	OK	32.5 dB @ 225.50MHz	N/A	>= 6.7 dB	25.8 dB
3,6	RH	OK	33.1 dB @ 233.00MHz	N/A	>= 5.9 dB	27.2 dB
5,4	RH	OK	32.0 dB @ 226.00MHz	N/A	>= 6.6 dB	25.4 dB
1,2	RH	OK	34.2 dB @ 227.00MHz	N/A	>= 6.5 dB	27.7 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0028  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:15:10  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.1 dB @ 224.50MHz	N/A	> 17.1 dB	16.0 dB
7,8-5,4	DH	OK	36.4 dB @ 246.00MHz	N/A	> 16.3 dB	20.1 dB
7,8-1,2	DH	OK	45.6 dB @ 203.00MHz	N/A	> 18.0 dB	27.6 dB
3,6-7,8	DH	OK	34.8 dB @ 245.00MHz	N/A	> 16.4 dB	18.4 dB
3,6-5,4	DH	OK	32.2 dB @ 242.50MHz	N/A	> 16.5 dB	15.7 dB
3,6-1,2	DH	OK	42.5 dB @ 250.00MHz	N/A	> 16.2 dB	26.3 dB
5,4-7,8	DH	OK	37.2 dB @ 245.00MHz	N/A	> 16.4 dB	20.8 dB
5,4-3,6	DH	OK	33.1 dB @ 248.00MHz	N/A	> 16.3 dB	16.8 dB
5,4-1,2	DH	OK	38.1 dB @ 203.00MHz	N/A	> 18.0 dB	20.1 dB
1,2-7,8	DH	OK	45.0 dB @ 177.00MHz	N/A	> 19.2 dB	25.8 dB
1,2-3,6	DH	OK	40.1 dB @ 248.00MHz	N/A	> 16.3 dB	23.8 dB
1,2-5,4	DH	OK	36.8 dB @ 209.00MHz	N/A	> 17.8 dB	19.0 dB
7,8-3,6	RH	OK	33.6 dB @ 223.50MHz	N/A	> 17.2 dB	16.4 dB
7,8-5,4	RH	OK	37.4 dB @ 249.50MHz	N/A	> 16.2 dB	21.2 dB
7,8-1,2	RH	OK	45.6 dB @ 179.50MHz	N/A	> 19.1 dB	26.5 dB
3,6-7,8	RH	OK	34.2 dB @ 233.00MHz	N/A	> 16.8 dB	17.4 dB
3,6-5,4	RH	OK	32.8 dB @ 244.50MHz	N/A	> 16.4 dB	16.4 dB
3,6-1,2	RH	OK	41.5 dB @ 250.00MHz	N/A	> 16.2 dB	25.3 dB
5,4-7,8	RH	OK	36.2 dB @ 246.00MHz	N/A	> 16.3 dB	19.9 dB
5,4-3,6	RH	OK	32.4 dB @ 246.00MHz	N/A	> 16.3 dB	16.1 dB
5,4-1,2	RH	OK	37.1 dB @ 197.50MHz	N/A	> 18.3 dB	18.8 dB
1,2-7,8	RH	OK	45.1 dB @ 176.50MHz	N/A	> 19.2 dB	25.9 dB
1,2-3,6	RH	OK	41.1 dB @ 247.50MHz	N/A	> 16.3 dB	24.8 dB
1,2-5,4	RH	OK	37.7 dB @ 203.00MHz	N/A	> 18.0 dB	19.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.8 dB @ 233.00MHz	N/A	> 32.8 dB	8.0 dB
3,6	DH	OK	39.8 dB @ 250.00MHz	N/A	> 32.3 dB	7.5 dB
5,4	DH	OK	47.8 dB @ 246.50MHz	N/A	> 32.4 dB	15.4 dB
1,2	DH	OK	44.5 dB @ 250.00MHz	N/A	> 32.3 dB	12.2 dB
7,8	RH	OK	43.3 dB @ 225.50MHz	N/A	> 33.0 dB	10.3 dB
3,6	RH	OK	44.0 dB @ 228.00MHz	N/A	> 33.0 dB	11.0 dB
5,4	RH	OK	44.8 dB @ 225.50MHz	N/A	> 33.0 dB	11.8 dB
1,2	RH	OK	46.1 dB @ 228.00MHz	N/A	> 33.0 dB	13.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.8 dB @ 249.50MHz	N/A	>= 1.2 dB	26.6 dB
3,6	DH	OK	25.8 dB @ 250.00MHz	N/A	>= 1.1 dB	24.7 dB
5,4	DH	OK	33.4 dB @ 248.50MHz	N/A	>= 1.4 dB	32.0 dB
1,2	DH	OK	31.5 dB @ 250.00MHz	N/A	>= 1.1 dB	30.4 dB
7,8	RH	OK	30.3 dB @ 225.50MHz	N/A	>= 3.7 dB	26.6 dB
3,6	RH	OK	30.6 dB @ 225.50MHz	N/A	>= 3.7 dB	26.9 dB
5,4	RH	OK	31.3 dB @ 226.00MHz	N/A	>= 3.6 dB	27.7 dB
1,2	RH	OK	33.6 dB @ 227.00MHz	N/A	>= 3.5 dB	30.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.7 dB @ 245.00MHz	N/A	>= 13.4 dB	19.3 dB
3,6	DH	OK	30.4 dB @ 248.00MHz	N/A	>= 13.3 dB	17.1 dB
5,4	DH	OK	30.7 dB @ 246.00MHz	N/A	>= 13.3 dB	17.4 dB
1,2	DH	OK	36.4 dB @ 203.00MHz	N/A	>= 15.0 dB	21.4 dB
7,8	RH	OK	32.3 dB @ 222.50MHz	N/A	>= 14.2 dB	18.1 dB
3,6	RH	OK	30.3 dB @ 244.50MHz	N/A	>= 13.4 dB	16.9 dB
5,4	RH	OK	30.7 dB @ 246.00MHz	N/A	>= 13.3 dB	17.4 dB
1,2	RH	OK	36.7 dB @ 203.00MHz	N/A	>= 15.0 dB	21.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

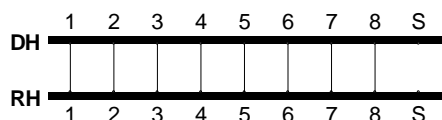
ID cavo 1: 0029  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:16:17  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	38.6m	39.7m	40.8m	38.6m	< 90.0m	OK
Ritardo di propag.	193.9ns	198.8ns	203.8ns	193.9ns	< 510.0ns	OK
Diff. t. ritardo	9.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.8 Ohm	98.7 Ohm	95.8 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.9 Ohm	8.3 Ohm	10.0 Ohm	8.1 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	47.8pF/m	49.3pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	6.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.1 dB @ 245.00MHz	N/A	> 35.5 dB	5.6 dB
7,8-5,4	DH	OK	48.9 dB @ 247.50MHz	N/A	> 35.4 dB	13.5 dB
7,8-1,2	DH	OK	59.2 dB @ 180.50MHz	N/A	> 37.6 dB	21.6 dB
3,6-5,4	DH	OK	52.1 dB @ 232.50MHz	N/A	> 35.8 dB	16.3 dB
3,6-1,2	DH	OK	46.2 dB @ 247.00MHz	N/A	> 35.4 dB	10.8 dB
5,4-1,2	DH	OK	47.6 dB @ 250.00MHz	N/A	> 35.3 dB	12.3 dB
7,8-3,6	RH	OK	42.9 dB @ 236.00MHz	N/A	> 35.7 dB	7.2 dB
7,8-5,4	RH	OK	47.5 dB @ 233.00MHz	N/A	> 35.8 dB	11.7 dB
7,8-1,2	RH	OK	49.7 dB @ 250.00MHz	N/A	> 35.3 dB	14.4 dB
3,6-5,4	RH	OK	49.9 dB @ 230.50MHz	N/A	> 35.9 dB	14.0 dB
3,6-1,2	RH	OK	48.2 dB @ 225.50MHz	N/A	> 36.0 dB	12.2 dB
5,4-1,2	RH	OK	50.5 dB @ 212.00MHz	N/A	> 36.5 dB	14.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 228.50MHz	N/A	> 10.4 dB	5.5 dB
3,6	DH	OK	16.5 dB @ 228.50MHz	N/A	> 10.4 dB	6.1 dB
5,4	DH	OK	17.9 dB @ 234.00MHz	N/A	> 10.3 dB	7.6 dB
1,2	DH	OK	18.2 dB @ 225.50MHz	N/A	> 10.5 dB	7.7 dB
7,8	RH	OK	14.9 dB @ 217.00MHz	N/A	> 10.6 dB	4.3 dB
3,6	RH	OK	16.5 dB @ 228.50MHz	N/A	> 10.4 dB	6.1 dB
5,4	RH	OK	17.6 dB @ 236.50MHz	N/A	> 10.3 dB	7.3 dB
1,2	RH	OK	17.0 dB @ 214.00MHz	N/A	> 10.7 dB	6.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.1 dB @ 230.50MHz	N/A	< 29.7 dB	16.6 dB
3,6	OK	13.8 dB @ 237.00MHz	N/A	< 30.2 dB	16.4 dB
5,4	OK	14.5 dB @ 243.00MHz	N/A	< 30.6 dB	16.1 dB
1,2	OK	13.5 dB @ 247.50MHz	N/A	< 31.0 dB	17.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.5 dB @ 245.00MHz	N/A	>= 4.7 dB	23.8 dB
3,6	DH	OK	28.0 dB @ 250.00MHz	N/A	>= 4.1 dB	23.9 dB
5,4	DH	OK	34.3 dB @ 250.00MHz	N/A	>= 4.1 dB	30.2 dB
1,2	DH	OK	33.0 dB @ 247.50MHz	N/A	>= 4.4 dB	28.6 dB
7,8	RH	OK	30.5 dB @ 236.00MHz	N/A	>= 5.6 dB	24.9 dB
3,6	RH	OK	29.6 dB @ 237.00MHz	N/A	>= 5.5 dB	24.1 dB
5,4	RH	OK	34.2 dB @ 239.50MHz	N/A	>= 5.2 dB	29.0 dB
1,2	RH	OK	36.3 dB @ 225.50MHz	N/A	>= 6.7 dB	29.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0029  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:16:17  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.9 dB @ 221.50MHz	N/A	> 17.3 dB	15.6 dB
7,8-5,4	DH	OK	39.5 dB @ 243.00MHz	N/A	> 16.5 dB	23.0 dB
7,8-1,2	DH	OK	42.4 dB @ 213.00MHz	N/A	> 17.6 dB	24.8 dB
3,6-7,8	DH	OK	32.9 dB @ 228.50MHz	N/A	> 17.0 dB	15.9 dB
3,6-5,4	DH	OK	31.5 dB @ 243.00MHz	N/A	> 16.5 dB	15.0 dB
3,6-1,2	DH	OK	43.2 dB @ 247.50MHz	N/A	> 16.3 dB	26.9 dB
5,4-7,8	DH	OK	42.0 dB @ 249.50MHz	N/A	> 16.2 dB	25.8 dB
5,4-3,6	DH	OK	33.1 dB @ 250.00MHz	N/A	> 16.2 dB	16.9 dB
5,4-1,2	DH	OK	38.7 dB @ 213.00MHz	N/A	> 17.6 dB	21.1 dB
1,2-7,8	DH	OK	42.9 dB @ 193.50MHz	N/A	> 18.4 dB	24.5 dB
1,2-3,6	DH	OK	44.1 dB @ 250.00MHz	N/A	> 16.2 dB	27.9 dB
1,2-5,4	DH	OK	36.8 dB @ 220.50MHz	N/A	> 17.3 dB	19.5 dB
7,8-3,6	RH	OK	33.1 dB @ 221.50MHz	N/A	> 17.3 dB	15.8 dB
7,8-5,4	RH	OK	40.7 dB @ 250.00MHz	N/A	> 16.2 dB	24.5 dB
7,8-1,2	RH	OK	42.5 dB @ 222.50MHz	N/A	> 17.2 dB	25.3 dB
3,6-7,8	RH	OK	31.9 dB @ 232.50MHz	N/A	> 16.8 dB	15.1 dB
3,6-5,4	RH	OK	31.7 dB @ 237.00MHz	N/A	> 16.7 dB	15.0 dB
3,6-1,2	RH	OK	42.3 dB @ 250.00MHz	N/A	> 16.2 dB	26.1 dB
5,4-7,8	RH	OK	41.1 dB @ 249.50MHz	N/A	> 16.2 dB	24.9 dB
5,4-3,6	RH	OK	32.0 dB @ 243.00MHz	N/A	> 16.5 dB	15.5 dB
5,4-1,2	RH	OK	38.0 dB @ 209.50MHz	N/A	> 17.7 dB	20.3 dB
1,2-7,8	RH	OK	43.1 dB @ 198.50MHz	N/A	> 18.2 dB	24.9 dB
1,2-3,6	RH	OK	44.6 dB @ 247.50MHz	N/A	> 16.3 dB	28.3 dB
1,2-5,4	RH	OK	38.1 dB @ 213.00MHz	N/A	> 17.6 dB	20.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.5 dB @ 245.00MHz	N/A	> 32.5 dB	8.0 dB
3,6	DH	OK	40.1 dB @ 245.00MHz	N/A	> 32.5 dB	7.6 dB
5,4	DH	OK	45.1 dB @ 250.00MHz	N/A	> 32.3 dB	12.8 dB
1,2	DH	OK	44.5 dB @ 250.00MHz	N/A	> 32.3 dB	12.2 dB
7,8	RH	OK	41.3 dB @ 236.00MHz	N/A	> 32.7 dB	8.6 dB
3,6	RH	OK	41.6 dB @ 236.00MHz	N/A	> 32.7 dB	8.9 dB
5,4	RH	OK	45.7 dB @ 236.00MHz	N/A	> 32.7 dB	13.0 dB
1,2	RH	OK	46.1 dB @ 249.50MHz	N/A	> 32.3 dB	13.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.9 dB @ 245.00MHz	N/A	>= 1.7 dB	26.2 dB
3,6	DH	OK	26.9 dB @ 250.00MHz	N/A	>= 1.1 dB	25.8 dB
5,4	DH	OK	31.8 dB @ 250.00MHz	N/A	>= 1.1 dB	30.7 dB
1,2	DH	OK	31.3 dB @ 247.50MHz	N/A	>= 1.4 dB	29.9 dB
7,8	RH	OK	28.9 dB @ 236.00MHz	N/A	>= 2.6 dB	26.3 dB
3,6	RH	OK	28.4 dB @ 236.00MHz	N/A	>= 2.6 dB	25.8 dB
5,4	RH	OK	31.9 dB @ 243.00MHz	N/A	>= 1.9 dB	30.0 dB
1,2	RH	OK	33.7 dB @ 249.00MHz	N/A	>= 1.2 dB	32.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.5 dB @ 230.50MHz	N/A	>= 13.9 dB	18.6 dB
3,6	DH	OK	30.4 dB @ 250.00MHz	N/A	>= 13.2 dB	17.2 dB
5,4	DH	OK	30.1 dB @ 243.00MHz	N/A	>= 13.5 dB	16.6 dB
1,2	DH	OK	37.1 dB @ 213.00MHz	N/A	>= 14.6 dB	22.5 dB
7,8	RH	OK	32.3 dB @ 222.50MHz	N/A	>= 14.2 dB	18.1 dB
3,6	RH	OK	28.7 dB @ 237.00MHz	N/A	>= 13.7 dB	15.0 dB
5,4	RH	OK	31.2 dB @ 243.00MHz	N/A	>= 13.5 dB	17.7 dB
1,2	RH	OK	37.2 dB @ 213.00MHz	N/A	>= 14.6 dB	22.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

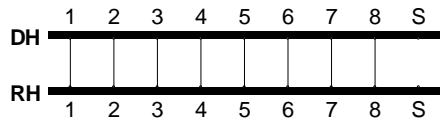
**OK**

ID cavo 1: 0030  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:17:24  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	38.6m	39.6m	40.8m	38.6m	< 90.0m	OK
Ritardo di propag.	193.7ns	198.6ns	203.9ns	193.8ns	< 510.0ns	OK
Diff. t. ritardo	10.2ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.1 Ohm	99.1 Ohm	96.0 Ohm	101.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.0 Ohm	8.8 Ohm	10.1 Ohm	8.2 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.7pF/m	49.2pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	5.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	39.7 dB @ 244.50MHz	N/A	> 35.5 dB	4.2 dB
7,8-5,4	DH	OK	51.6 dB @ 237.50MHz	N/A	> 35.7 dB	15.9 dB
7,8-1,2	DH	OK	58.3 dB @ 222.00MHz	N/A	> 36.2 dB	22.1 dB
3,6-5,4	DH	OK	50.6 dB @ 233.00MHz	N/A	> 35.8 dB	14.8 dB
3,6-1,2	DH	OK	46.4 dB @ 246.00MHz	N/A	> 35.4 dB	11.0 dB
5,4-1,2	DH	OK	48.4 dB @ 250.00MHz	N/A	> 35.3 dB	13.1 dB
7,8-3,6	RH	OK	46.6 dB @ 248.00MHz	N/A	> 35.4 dB	11.2 dB
7,8-5,4	RH	OK	48.9 dB @ 231.00MHz	N/A	> 35.9 dB	13.0 dB
7,8-1,2	RH	OK	49.3 dB @ 248.50MHz	N/A	> 35.4 dB	13.9 dB
3,6-5,4	RH	OK	50.0 dB @ 242.50MHz	N/A	> 35.5 dB	14.5 dB
3,6-1,2	RH	OK	48.0 dB @ 225.00MHz	N/A	> 36.1 dB	11.9 dB
5,4-1,2	RH	OK	47.8 dB @ 187.00MHz	N/A	> 37.4 dB	10.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 220.00MHz	N/A	> 10.6 dB	5.4 dB
3,6	DH	OK	15.6 dB @ 223.50MHz	N/A	> 10.5 dB	5.1 dB
5,4	DH	OK	17.8 dB @ 229.00MHz	N/A	> 10.4 dB	7.4 dB
1,2	DH	OK	16.6 dB @ 208.50MHz	N/A	> 10.8 dB	5.8 dB
7,8	RH	OK	15.1 dB @ 220.50MHz	N/A	> 10.6 dB	4.5 dB
3,6	RH	OK	16.7 dB @ 219.50MHz	N/A	> 10.6 dB	6.1 dB
5,4	RH	OK	17.6 dB @ 236.50MHz	N/A	> 10.3 dB	7.3 dB
1,2	RH	OK	17.0 dB @ 223.00MHz	N/A	> 10.5 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.3 dB @ 245.50MHz	N/A	< 30.8 dB	17.5 dB
3,6	OK	13.6 dB @ 242.00MHz	N/A	< 30.6 dB	17.0 dB
5,4	OK	14.5 dB @ 244.00MHz	N/A	< 30.7 dB	16.2 dB
1,2	OK	12.9 dB @ 231.50MHz	N/A	< 29.8 dB	16.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.0 dB @ 244.50MHz	N/A	>= 4.8 dB	22.2 dB
3,6	DH	OK	26.4 dB @ 243.50MHz	N/A	>= 4.8 dB	21.6 dB
5,4	DH	OK	34.6 dB @ 250.00MHz	N/A	>= 4.1 dB	30.5 dB
1,2	DH	OK	34.3 dB @ 246.00MHz	N/A	>= 4.5 dB	29.8 dB
7,8	RH	OK	33.6 dB @ 248.00MHz	N/A	>= 4.4 dB	29.2 dB
3,6	RH	OK	33.4 dB @ 248.00MHz	N/A	>= 4.4 dB	29.0 dB
5,4	RH	OK	34.8 dB @ 242.00MHz	N/A	>= 4.9 dB	29.9 dB
1,2	RH	OK	35.8 dB @ 225.00MHz	N/A	>= 6.8 dB	29.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0030  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:17:24  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.8 dB @ 229.50MHz	N/A	> 16.9 dB	16.9 dB
7,8-5,4	DH	OK	42.8 dB @ 244.00MHz	N/A	> 16.4 dB	26.4 dB
7,8-1,2	DH	OK	39.9 dB @ 249.50MHz	N/A	> 16.2 dB	23.7 dB
3,6-7,8	DH	OK	32.7 dB @ 231.00MHz	N/A	> 16.9 dB	15.8 dB
3,6-5,4	DH	OK	31.1 dB @ 244.00MHz	N/A	> 16.4 dB	14.7 dB
3,6-1,2	DH	OK	42.7 dB @ 168.00MHz	N/A	> 19.7 dB	23.0 dB
5,4-7,8	DH	OK	44.0 dB @ 247.50MHz	N/A	> 16.3 dB	27.7 dB
5,4-3,6	DH	OK	32.0 dB @ 241.50MHz	N/A	> 16.5 dB	15.5 dB
5,4-1,2	DH	OK	40.0 dB @ 201.00MHz	N/A	> 18.1 dB	21.9 dB
1,2-7,8	DH	OK	39.8 dB @ 250.00MHz	N/A	> 16.2 dB	23.6 dB
1,2-3,6	DH	OK	43.5 dB @ 181.00MHz	N/A	> 19.0 dB	24.5 dB
1,2-5,4	DH	OK	38.9 dB @ 205.00MHz	N/A	> 17.9 dB	21.0 dB
7,8-3,6	RH	OK	33.8 dB @ 224.50MHz	N/A	> 17.1 dB	16.7 dB
7,8-5,4	RH	OK	44.1 dB @ 248.00MHz	N/A	> 16.3 dB	27.8 dB
7,8-1,2	RH	OK	39.7 dB @ 249.50MHz	N/A	> 16.2 dB	23.5 dB
3,6-7,8	RH	OK	32.2 dB @ 236.50MHz	N/A	> 16.7 dB	15.5 dB
3,6-5,4	RH	OK	31.9 dB @ 243.50MHz	N/A	> 16.4 dB	15.5 dB
3,6-1,2	RH	OK	42.1 dB @ 168.00MHz	N/A	> 19.7 dB	22.4 dB
5,4-7,8	RH	OK	43.4 dB @ 249.50MHz	N/A	> 16.2 dB	27.2 dB
5,4-3,6	RH	OK	31.4 dB @ 244.00MHz	N/A	> 16.4 dB	15.0 dB
5,4-1,2	RH	OK	39.1 dB @ 197.50MHz	N/A	> 18.3 dB	20.8 dB
1,2-7,8	RH	OK	39.8 dB @ 249.00MHz	N/A	> 16.2 dB	23.6 dB
1,2-3,6	RH	OK	43.8 dB @ 173.50MHz	N/A	> 19.4 dB	24.4 dB
1,2-5,4	RH	OK	39.8 dB @ 201.00MHz	N/A	> 18.1 dB	21.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.6 dB @ 244.50MHz	N/A	> 32.5 dB	7.1 dB
3,6	DH	OK	38.7 dB @ 244.50MHz	N/A	> 32.5 dB	6.2 dB
5,4	DH	OK	46.4 dB @ 250.00MHz	N/A	> 32.3 dB	14.1 dB
1,2	DH	OK	44.9 dB @ 244.50MHz	N/A	> 32.5 dB	12.4 dB
7,8	RH	OK	43.8 dB @ 248.00MHz	N/A	> 32.4 dB	11.4 dB
3,6	RH	OK	44.3 dB @ 248.00MHz	N/A	> 32.4 dB	11.9 dB
5,4	RH	OK	45.2 dB @ 241.50MHz	N/A	> 32.6 dB	12.6 dB
1,2	RH	OK	44.4 dB @ 241.00MHz	N/A	> 32.6 dB	11.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.9 dB @ 244.50MHz	N/A	>= 1.8 dB	25.1 dB
3,6	DH	OK	25.6 dB @ 243.50MHz	N/A	>= 1.8 dB	23.8 dB
5,4	DH	OK	32.6 dB @ 250.00MHz	N/A	>= 1.1 dB	31.5 dB
1,2	DH	OK	32.7 dB @ 244.50MHz	N/A	>= 1.8 dB	30.9 dB
7,8	RH	OK	30.7 dB @ 247.50MHz	N/A	>= 1.4 dB	29.3 dB
3,6	RH	OK	30.7 dB @ 241.50MHz	N/A	>= 2.1 dB	28.6 dB
5,4	RH	OK	31.4 dB @ 236.50MHz	N/A	>= 2.5 dB	28.9 dB
1,2	RH	OK	32.0 dB @ 241.50MHz	N/A	>= 2.1 dB	29.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.9 dB @ 231.00MHz	N/A	>= 13.9 dB	18.0 dB
3,6	DH	OK	30.2 dB @ 241.50MHz	N/A	>= 13.5 dB	16.7 dB
5,4	DH	OK	30.6 dB @ 244.00MHz	N/A	>= 13.4 dB	17.2 dB
1,2	DH	OK	37.3 dB @ 211.00MHz	N/A	>= 14.7 dB	22.6 dB
7,8	RH	OK	32.5 dB @ 224.50MHz	N/A	>= 14.1 dB	18.4 dB
3,6	RH	OK	29.0 dB @ 236.50MHz	N/A	>= 13.7 dB	15.3 dB
5,4	RH	OK	31.1 dB @ 244.00MHz	N/A	>= 13.4 dB	17.7 dB
1,2	RH	OK	37.6 dB @ 201.00MHz	N/A	>= 15.1 dB	22.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

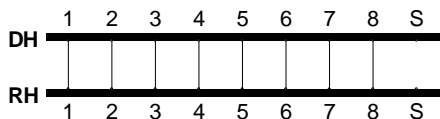
**OK**

ID cavo 1: 0031  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:18:39  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	38.7m	39.7m	40.8m	38.7m	< 90.0m	OK
Ritardo di propag.	194.3ns	199.1ns	204.2ns	194.2ns	< 510.0ns	OK
Diff. t. ritardo	10.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.5 Ohm	98.7 Ohm	95.9 Ohm	100.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.9 Ohm	8.3 Ohm	10.1 Ohm	8.1 Ohm	< 20.0 Ohm	OK
Capacità	47.9pF/m	47.9pF/m	49.3pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	5.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.8 dB @ 247.00MHz	N/A	> 35.4 dB	5.4 dB
7,8-5,4	DH	OK	51.8 dB @ 239.00MHz	N/A	> 35.6 dB	16.2 dB
7,8-1,2	DH	OK	57.3 dB @ 195.00MHz	N/A	> 37.1 dB	20.2 dB
3,6-5,4	DH	OK	53.1 dB @ 227.00MHz	N/A	> 36.0 dB	17.1 dB
3,6-1,2	DH	OK	46.1 dB @ 230.50MHz	N/A	> 35.9 dB	10.2 dB
5,4-1,2	DH	OK	50.4 dB @ 249.00MHz	N/A	> 35.3 dB	15.1 dB
7,8-3,6	RH	OK	44.0 dB @ 241.00MHz	N/A	> 35.6 dB	8.4 dB
7,8-5,4	RH	OK	47.9 dB @ 177.50MHz	N/A	> 37.8 dB	10.1 dB
7,8-1,2	RH	OK	49.5 dB @ 192.50MHz	N/A	> 37.2 dB	12.3 dB
3,6-5,4	RH	OK	49.4 dB @ 225.00MHz	N/A	> 36.1 dB	13.3 dB
3,6-1,2	RH	OK	47.7 dB @ 247.00MHz	N/A	> 35.4 dB	12.3 dB
5,4-1,2	RH	OK	51.8 dB @ 249.00MHz	N/A	> 35.3 dB	16.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.6 dB @ 222.00MHz	N/A	> 10.5 dB	6.1 dB
3,6	DH	OK	16.4 dB @ 233.00MHz	N/A	> 10.3 dB	6.1 dB
5,4	DH	OK	17.0 dB @ 228.50MHz	N/A	> 10.4 dB	6.6 dB
1,2	DH	OK	18.3 dB @ 227.50MHz	N/A	> 10.4 dB	7.9 dB
7,8	RH	OK	16.3 dB @ 232.50MHz	N/A	> 10.3 dB	6.0 dB
3,6	RH	OK	15.7 dB @ 227.50MHz	N/A	> 10.4 dB	5.3 dB
5,4	RH	OK	17.2 dB @ 228.50MHz	N/A	> 10.4 dB	6.8 dB
1,2	RH	OK	17.0 dB @ 221.50MHz	N/A	> 10.5 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.4 dB @ 245.50MHz	N/A	< 30.8 dB	17.4 dB
3,6	OK	14.0 dB @ 249.00MHz	N/A	< 31.1 dB	17.1 dB
5,4	OK	14.1 dB @ 242.50MHz	N/A	< 30.6 dB	16.5 dB
1,2	OK	13.0 dB @ 246.50MHz	N/A	< 30.9 dB	17.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.9 dB @ 245.50MHz	N/A	>= 4.6 dB	23.3 dB
3,6	DH	OK	27.1 dB @ 247.00MHz	N/A	>= 4.5 dB	22.6 dB
5,4	DH	OK	36.6 dB @ 248.50MHz	N/A	>= 4.4 dB	32.2 dB
1,2	DH	OK	33.9 dB @ 230.50MHz	N/A	>= 6.2 dB	27.7 dB
7,8	RH	OK	31.3 dB @ 241.50MHz	N/A	>= 5.1 dB	26.2 dB
3,6	RH	OK	30.9 dB @ 240.50MHz	N/A	>= 5.2 dB	25.7 dB
5,4	RH	OK	34.7 dB @ 244.00MHz	N/A	>= 4.8 dB	29.9 dB
1,2	RH	OK	35.3 dB @ 245.50MHz	N/A	>= 4.6 dB	30.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0031  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:18:39  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.0 dB @ 226.50MHz	N/A	> 17.1 dB	15.9 dB
7,8-5,4	DH	OK	42.6 dB @ 220.50MHz	N/A	> 17.3 dB	25.3 dB
7,8-1,2	DH	OK	46.6 dB @ 249.00MHz	N/A	> 16.2 dB	30.4 dB
3,6-7,8	DH	OK	33.7 dB @ 231.00MHz	N/A	> 16.9 dB	16.8 dB
3,6-5,4	DH	OK	32.0 dB @ 248.50MHz	N/A	> 16.3 dB	15.7 dB
3,6-1,2	DH	OK	43.5 dB @ 181.50MHz	N/A	> 19.0 dB	24.5 dB
5,4-7,8	DH	OK	43.6 dB @ 238.50MHz	N/A	> 16.6 dB	27.0 dB
5,4-3,6	DH	OK	32.1 dB @ 249.00MHz	N/A	> 16.2 dB	15.9 dB
5,4-1,2	DH	OK	41.2 dB @ 206.50MHz	N/A	> 17.9 dB	23.3 dB
1,2-7,8	DH	OK	45.3 dB @ 224.50MHz	N/A	> 17.1 dB	28.2 dB
1,2-3,6	DH	OK	43.2 dB @ 176.00MHz	N/A	> 19.2 dB	24.0 dB
1,2-5,4	DH	OK	39.6 dB @ 217.00MHz	N/A	> 17.4 dB	22.2 dB
7,8-3,6	RH	OK	33.5 dB @ 226.50MHz	N/A	> 17.1 dB	16.4 dB
7,8-5,4	RH	OK	43.7 dB @ 213.00MHz	N/A	> 17.6 dB	26.1 dB
7,8-1,2	RH	OK	46.2 dB @ 245.50MHz	N/A	> 16.4 dB	29.8 dB
3,6-7,8	RH	OK	33.2 dB @ 229.50MHz	N/A	> 16.9 dB	16.3 dB
3,6-5,4	RH	OK	31.9 dB @ 249.00MHz	N/A	> 16.2 dB	15.7 dB
3,6-1,2	RH	OK	42.9 dB @ 182.00MHz	N/A	> 19.0 dB	23.9 dB
5,4-7,8	RH	OK	42.6 dB @ 238.00MHz	N/A	> 16.6 dB	26.0 dB
5,4-3,6	RH	OK	32.2 dB @ 249.50MHz	N/A	> 16.2 dB	16.0 dB
5,4-1,2	RH	OK	40.0 dB @ 209.50MHz	N/A	> 17.7 dB	22.3 dB
1,2-7,8	RH	OK	45.8 dB @ 224.00MHz	N/A	> 17.2 dB	28.6 dB
1,2-3,6	RH	OK	44.0 dB @ 176.50MHz	N/A	> 19.2 dB	24.8 dB
1,2-5,4	RH	OK	40.8 dB @ 210.50MHz	N/A	> 17.7 dB	23.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.5 dB @ 247.00MHz	N/A	> 32.4 dB	8.1 dB
3,6	DH	OK	40.1 dB @ 243.50MHz	N/A	> 32.5 dB	7.6 dB
5,4	DH	OK	48.3 dB @ 250.00MHz	N/A	> 32.3 dB	16.0 dB
1,2	DH	OK	45.5 dB @ 232.00MHz	N/A	> 32.8 dB	12.7 dB
7,8	RH	OK	42.4 dB @ 241.00MHz	N/A	> 32.6 dB	9.8 dB
3,6	RH	OK	42.0 dB @ 241.00MHz	N/A	> 32.6 dB	9.4 dB
5,4	RH	OK	45.9 dB @ 249.00MHz	N/A	> 32.3 dB	13.6 dB
1,2	RH	OK	45.2 dB @ 247.00MHz	N/A	> 32.4 dB	12.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.6 dB @ 245.50MHz	N/A	>= 1.6 dB	26.0 dB
3,6	DH	OK	26.5 dB @ 247.00MHz	N/A	>= 1.5 dB	25.0 dB
5,4	DH	OK	34.8 dB @ 250.00MHz	N/A	>= 1.1 dB	33.7 dB
1,2	DH	OK	32.9 dB @ 249.00MHz	N/A	>= 1.2 dB	31.7 dB
7,8	RH	OK	29.6 dB @ 241.50MHz	N/A	>= 2.1 dB	27.5 dB
3,6	RH	OK	28.9 dB @ 240.50MHz	N/A	>= 2.2 dB	26.7 dB
5,4	RH	OK	32.0 dB @ 248.50MHz	N/A	>= 1.4 dB	30.6 dB
1,2	RH	OK	32.8 dB @ 246.50MHz	N/A	>= 1.5 dB	31.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.1 dB @ 234.50MHz	N/A	>= 13.8 dB	19.3 dB
3,6	DH	OK	30.2 dB @ 249.00MHz	N/A	>= 13.2 dB	17.0 dB
5,4	DH	OK	31.5 dB @ 248.50MHz	N/A	>= 13.3 dB	18.2 dB
1,2	DH	OK	39.7 dB @ 206.50MHz	N/A	>= 14.9 dB	24.8 dB
7,8	RH	OK	33.0 dB @ 226.50MHz	N/A	>= 14.1 dB	18.9 dB
3,6	RH	OK	30.0 dB @ 249.00MHz	N/A	>= 13.2 dB	16.8 dB
5,4	RH	OK	31.8 dB @ 249.50MHz	N/A	>= 13.2 dB	18.6 dB
1,2	RH	OK	39.1 dB @ 219.00MHz	N/A	>= 14.4 dB	24.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

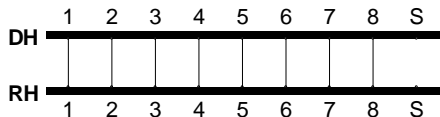
**OK**

ID cavo 1: 0032  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:19:39  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	38.6m	39.7m	40.7m	38.6m	< 90.0m	OK
Ritardo di propag.	193.9ns	198.7ns	203.8ns	193.6ns	< 510.0ns	OK
Diff. t. ritardo	10.2ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.0 Ohm	99.3 Ohm	96.2 Ohm	101.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.1 Ohm	8.5 Ohm	10.0 Ohm	8.2 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.5pF/m	49.1pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	5.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.9 dB @ 241.50MHz	N/A	> 35.6 dB	5.3 dB
7,8-5,4	DH	OK	51.8 dB @ 226.00MHz	N/A	> 36.0 dB	15.8 dB
7,8-1,2	DH	OK	56.4 dB @ 189.50MHz	N/A	> 37.3 dB	19.1 dB
3,6-5,4	DH	OK	51.6 dB @ 230.00MHz	N/A	> 35.9 dB	15.7 dB
3,6-1,2	DH	OK	42.7 dB @ 249.50MHz	N/A	> 35.3 dB	7.4 dB
5,4-1,2	DH	OK	49.5 dB @ 247.00MHz	N/A	> 35.4 dB	14.1 dB
7,8-3,6	RH	OK	46.2 dB @ 219.00MHz	N/A	> 36.3 dB	9.9 dB
7,8-5,4	RH	OK	48.0 dB @ 237.00MHz	N/A	> 35.7 dB	12.3 dB
7,8-1,2	RH	OK	50.0 dB @ 216.00MHz	N/A	> 36.4 dB	13.6 dB
3,6-5,4	RH	OK	51.9 dB @ 233.00MHz	N/A	> 35.8 dB	16.1 dB
3,6-1,2	RH	OK	49.1 dB @ 214.00MHz	N/A	> 36.4 dB	12.7 dB
5,4-1,2	RH	OK	52.1 dB @ 209.50MHz	N/A	> 36.6 dB	15.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.0 dB @ 167.50MHz	N/A	> 11.7 dB	5.3 dB
3,6	DH	OK	17.3 dB @ 228.00MHz	N/A	> 10.4 dB	6.9 dB
5,4	DH	OK	17.2 dB @ 229.00MHz	N/A	> 10.4 dB	6.8 dB
1,2	DH	OK	16.3 dB @ 214.00MHz	N/A	> 10.7 dB	5.6 dB
7,8	RH	OK	15.9 dB @ 222.50MHz	N/A	> 10.5 dB	5.4 dB
3,6	RH	OK	16.8 dB @ 228.00MHz	N/A	> 10.4 dB	6.4 dB
5,4	RH	OK	18.9 dB @ 229.00MHz	N/A	> 10.4 dB	8.5 dB
1,2	RH	OK	16.1 dB @ 219.50MHz	N/A	> 10.6 dB	5.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.4 dB @ 218.50MHz	N/A	< 28.8 dB	15.4 dB
3,6	OK	13.6 dB @ 248.50MHz	N/A	< 31.0 dB	17.4 dB
5,4	OK	14.1 dB @ 245.50MHz	N/A	< 30.8 dB	16.7 dB
1,2	OK	12.7 dB @ 239.50MHz	N/A	< 30.4 dB	17.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.3 dB @ 238.50MHz	N/A	>= 5.4 dB	22.9 dB
3,6	DH	OK	27.7 dB @ 248.50MHz	N/A	>= 4.4 dB	23.3 dB
5,4	DH	OK	36.1 dB @ 247.00MHz	N/A	>= 4.5 dB	31.6 dB
1,2	DH	OK	30.5 dB @ 249.00MHz	N/A	>= 4.2 dB	26.3 dB
7,8	RH	OK	33.4 dB @ 218.50MHz	N/A	>= 7.5 dB	25.9 dB
3,6	RH	OK	33.8 dB @ 227.50MHz	N/A	>= 6.5 dB	27.3 dB
5,4	RH	OK	34.9 dB @ 237.00MHz	N/A	>= 5.5 dB	29.4 dB
1,2	RH	OK	37.7 dB @ 219.50MHz	N/A	>= 7.3 dB	30.4 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0032  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:19:39  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	29.4 dB @ 227.50MHz	N/A	> 17.0 dB	12.4 dB
7,8-5,4	DH	OK	42.7 dB @ 250.00MHz	N/A	> 16.2 dB	26.5 dB
7,8-1,2	DH	OK	43.2 dB @ 250.00MHz	N/A	> 16.2 dB	27.0 dB
3,6-7,8	DH	OK	29.2 dB @ 223.50MHz	N/A	> 17.2 dB	12.0 dB
3,6-5,4	DH	OK	31.5 dB @ 245.50MHz	N/A	> 16.4 dB	15.1 dB
3,6-1,2	DH	OK	42.2 dB @ 181.50MHz	N/A	> 19.0 dB	23.2 dB
5,4-7,8	DH	OK	42.2 dB @ 247.00MHz	N/A	> 16.3 dB	25.9 dB
5,4-3,6	DH	OK	31.9 dB @ 250.00MHz	N/A	> 16.2 dB	15.7 dB
5,4-1,2	DH	OK	39.3 dB @ 205.00MHz	N/A	> 17.9 dB	21.4 dB
1,2-7,8	DH	OK	43.1 dB @ 218.50MHz	N/A	> 17.4 dB	25.7 dB
1,2-3,6	DH	OK	42.1 dB @ 176.00MHz	N/A	> 19.2 dB	22.9 dB
1,2-5,4	DH	OK	37.3 dB @ 218.50MHz	N/A	> 17.4 dB	19.9 dB
7,8-3,6	RH	OK	29.0 dB @ 218.50MHz	N/A	> 17.4 dB	11.6 dB
7,8-5,4	RH	OK	43.4 dB @ 250.00MHz	N/A	> 16.2 dB	27.2 dB
7,8-1,2	RH	OK	42.4 dB @ 218.50MHz	N/A	> 17.4 dB	25.0 dB
3,6-7,8	RH	OK	28.8 dB @ 232.50MHz	N/A	> 16.8 dB	12.0 dB
3,6-5,4	RH	OK	32.4 dB @ 248.50MHz	N/A	> 16.3 dB	16.1 dB
3,6-1,2	RH	OK	41.3 dB @ 179.00MHz	N/A	> 19.1 dB	22.2 dB
5,4-7,8	RH	OK	41.5 dB @ 249.50MHz	N/A	> 16.2 dB	25.3 dB
5,4-3,6	RH	OK	31.8 dB @ 245.50MHz	N/A	> 16.4 dB	15.4 dB
5,4-1,2	RH	OK	38.3 dB @ 218.50MHz	N/A	> 17.4 dB	20.9 dB
1,2-7,8	RH	OK	44.1 dB @ 249.00MHz	N/A	> 16.2 dB	27.9 dB
1,2-3,6	RH	OK	42.6 dB @ 176.00MHz	N/A	> 19.2 dB	23.4 dB
1,2-5,4	RH	OK	38.3 dB @ 220.50MHz	N/A	> 17.3 dB	21.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.8 dB @ 241.50MHz	N/A	> 32.6 dB	8.2 dB
3,6	DH	OK	38.7 dB @ 250.00MHz	N/A	> 32.3 dB	6.4 dB
5,4	DH	OK	47.9 dB @ 227.00MHz	N/A	> 33.0 dB	14.9 dB
1,2	DH	OK	41.9 dB @ 249.50MHz	N/A	> 32.3 dB	9.6 dB
7,8	RH	OK	44.0 dB @ 238.50MHz	N/A	> 32.7 dB	11.3 dB
3,6	RH	OK	44.3 dB @ 219.50MHz	N/A	> 33.2 dB	11.1 dB
5,4	RH	OK	46.7 dB @ 237.00MHz	N/A	> 32.7 dB	14.0 dB
1,2	RH	OK	46.5 dB @ 214.00MHz	N/A	> 33.4 dB	13.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.2 dB @ 238.50MHz	N/A	>= 2.4 dB	25.8 dB
3,6	DH	OK	25.3 dB @ 250.00MHz	N/A	>= 1.1 dB	24.2 dB
5,4	DH	OK	34.4 dB @ 245.50MHz	N/A	>= 1.6 dB	32.8 dB
1,2	DH	OK	29.7 dB @ 249.00MHz	N/A	>= 1.2 dB	28.5 dB
7,8	RH	OK	31.0 dB @ 218.50MHz	N/A	>= 4.5 dB	26.5 dB
3,6	RH	OK	31.6 dB @ 219.50MHz	N/A	>= 4.3 dB	27.3 dB
5,4	RH	OK	33.3 dB @ 236.00MHz	N/A	>= 2.6 dB	30.7 dB
1,2	RH	OK	35.2 dB @ 214.00MHz	N/A	>= 4.9 dB	30.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.0 dB @ 238.50MHz	N/A	>= 13.6 dB	15.4 dB
3,6	DH	OK	27.8 dB @ 250.00MHz	N/A	>= 13.2 dB	14.6 dB
5,4	DH	OK	30.8 dB @ 245.50MHz	N/A	>= 13.4 dB	17.4 dB
1,2	DH	OK	37.3 dB @ 213.00MHz	N/A	>= 14.6 dB	22.7 dB
7,8	RH	OK	28.7 dB @ 218.50MHz	N/A	>= 14.4 dB	14.3 dB
3,6	RH	OK	27.4 dB @ 232.50MHz	N/A	>= 13.8 dB	13.6 dB
5,4	RH	OK	31.1 dB @ 245.50MHz	N/A	>= 13.4 dB	17.7 dB
1,2	RH	OK	36.9 dB @ 220.50MHz	N/A	>= 14.3 dB	22.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

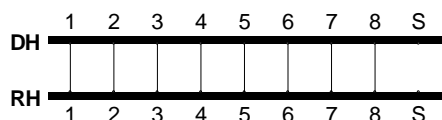
ID cavo 1: 0033  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:20:51  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.4m	37.2m	38.3m	36.4m	< 90.0m	OK
Ritardo di propag.	183.7ns	187.3ns	192.4ns	183.6ns	< 510.0ns	OK
Diff. t. ritardo	8.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.9 Ohm	99.5 Ohm	98.9 Ohm	100.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.5 Ohm	8.1 Ohm	9.6 Ohm	7.6 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.5pF/m	47.7pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	5.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.0 dB @ 238.00MHz	N/A	> 35.7 dB	4.3 dB
7,8-5,4	DH	OK	52.0 dB @ 242.50MHz	N/A	> 35.5 dB	16.5 dB
7,8-1,2	DH	OK	56.3 dB @ 250.00MHz	N/A	> 35.3 dB	21.0 dB
3,6-5,4	DH	OK	50.3 dB @ 233.00MHz	N/A	> 35.8 dB	14.5 dB
3,6-1,2	DH	OK	45.6 dB @ 239.50MHz	N/A	> 35.6 dB	10.0 dB
5,4-1,2	DH	OK	49.5 dB @ 250.00MHz	N/A	> 35.3 dB	14.2 dB
7,8-3,6	RH	OK	41.8 dB @ 220.50MHz	N/A	> 36.2 dB	5.6 dB
7,8-5,4	RH	OK	46.3 dB @ 242.50MHz	N/A	> 35.5 dB	10.8 dB
7,8-1,2	RH	OK	52.9 dB @ 231.00MHz	N/A	> 35.9 dB	17.0 dB
3,6-5,4	RH	OK	51.2 dB @ 227.00MHz	N/A	> 36.0 dB	15.2 dB
3,6-1,2	RH	OK	41.7 dB @ 240.00MHz	N/A	> 35.6 dB	6.1 dB
5,4-1,2	RH	OK	55.6 dB @ 224.00MHz	N/A	> 36.1 dB	19.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 224.00MHz	N/A	> 10.5 dB	5.6 dB
3,6	DH	OK	16.9 dB @ 230.00MHz	N/A	> 10.4 dB	6.5 dB
5,4	DH	OK	18.1 dB @ 231.00MHz	N/A	> 10.4 dB	7.7 dB
1,2	DH	OK	16.5 dB @ 223.00MHz	N/A	> 10.5 dB	6.0 dB
7,8	RH	OK	16.0 dB @ 162.50MHz	N/A	> 11.9 dB	4.1 dB
3,6	RH	OK	16.8 dB @ 233.00MHz	N/A	> 10.3 dB	6.5 dB
5,4	RH	OK	17.8 dB @ 228.00MHz	N/A	> 10.4 dB	7.4 dB
1,2	RH	OK	16.1 dB @ 164.50MHz	N/A	> 11.8 dB	4.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.4 dB @ 231.50MHz	N/A	< 29.8 dB	17.4 dB
3,6	OK	12.7 dB @ 245.00MHz	N/A	< 30.8 dB	18.1 dB
5,4	OK	12.9 dB @ 246.00MHz	N/A	< 30.9 dB	18.0 dB
1,2	OK	12.0 dB @ 248.50MHz	N/A	< 31.0 dB	19.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.9 dB @ 238.00MHz	N/A	>= 5.4 dB	22.5 dB
3,6	DH	OK	27.9 dB @ 238.00MHz	N/A	>= 5.4 dB	22.5 dB
5,4	DH	OK	36.9 dB @ 248.50MHz	N/A	>= 4.4 dB	32.5 dB
1,2	DH	OK	34.3 dB @ 240.00MHz	N/A	>= 5.2 dB	29.1 dB
7,8	RH	OK	30.7 dB @ 220.50MHz	N/A	>= 7.2 dB	23.5 dB
3,6	RH	OK	29.3 dB @ 240.00MHz	N/A	>= 5.2 dB	24.1 dB
5,4	RH	OK	33.8 dB @ 242.50MHz	N/A	>= 4.9 dB	28.9 dB
1,2	RH	OK	30.1 dB @ 240.00MHz	N/A	>= 5.2 dB	24.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0033  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:20:51  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	27.6 dB @ 248.50MHz	N/A	> 16.3 dB	11.3 dB
7,8-5,4	DH	OK	43.9 dB @ 247.00MHz	N/A	> 16.3 dB	27.6 dB
7,8-1,2	DH	OK	48.5 dB @ 248.00MHz	N/A	> 16.3 dB	32.2 dB
3,6-7,8	DH	OK	26.9 dB @ 250.00MHz	N/A	> 16.2 dB	10.7 dB
3,6-5,4	DH	OK	32.0 dB @ 246.00MHz	N/A	> 16.3 dB	15.7 dB
3,6-1,2	DH	OK	38.5 dB @ 238.00MHz	N/A	> 16.6 dB	21.9 dB
5,4-7,8	DH	OK	41.9 dB @ 250.00MHz	N/A	> 16.2 dB	25.7 dB
5,4-3,6	DH	OK	31.4 dB @ 234.00MHz	N/A	> 16.8 dB	14.6 dB
5,4-1,2	DH	OK	38.3 dB @ 228.50MHz	N/A	> 17.0 dB	21.3 dB
1,2-7,8	DH	OK	48.2 dB @ 231.50MHz	N/A	> 16.9 dB	31.3 dB
1,2-3,6	DH	OK	39.7 dB @ 250.00MHz	N/A	> 16.2 dB	23.5 dB
1,2-5,4	DH	OK	37.3 dB @ 231.50MHz	N/A	> 16.9 dB	20.4 dB
7,8-3,6	RH	OK	28.0 dB @ 250.00MHz	N/A	> 16.2 dB	11.8 dB
7,8-5,4	RH	OK	44.3 dB @ 250.00MHz	N/A	> 16.2 dB	28.1 dB
7,8-1,2	RH	OK	48.2 dB @ 250.00MHz	N/A	> 16.2 dB	32.0 dB
3,6-7,8	RH	OK	26.4 dB @ 237.00MHz	N/A	> 16.7 dB	9.7 dB
3,6-5,4	RH	OK	32.3 dB @ 245.00MHz	N/A	> 16.4 dB	15.9 dB
3,6-1,2	RH	OK	37.7 dB @ 237.00MHz	N/A	> 16.7 dB	21.0 dB
5,4-7,8	RH	OK	41.9 dB @ 250.00MHz	N/A	> 16.2 dB	25.7 dB
5,4-3,6	RH	OK	31.6 dB @ 231.50MHz	N/A	> 16.9 dB	14.7 dB
5,4-1,2	RH	OK	37.9 dB @ 231.50MHz	N/A	> 16.9 dB	21.0 dB
1,2-7,8	RH	OK	48.9 dB @ 238.00MHz	N/A	> 16.6 dB	32.3 dB
1,2-3,6	RH	OK	40.0 dB @ 248.00MHz	N/A	> 16.3 dB	23.7 dB
1,2-5,4	RH	OK	37.8 dB @ 230.00MHz	N/A	> 16.9 dB	20.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.8 dB @ 238.00MHz	N/A	> 32.7 dB	7.1 dB
3,6	DH	OK	39.0 dB @ 238.00MHz	N/A	> 32.7 dB	6.3 dB
5,4	DH	OK	47.2 dB @ 233.00MHz	N/A	> 32.8 dB	14.4 dB
1,2	DH	OK	44.8 dB @ 239.50MHz	N/A	> 32.6 dB	12.2 dB
7,8	RH	OK	40.8 dB @ 220.50MHz	N/A	> 33.2 dB	7.6 dB
3,6	RH	OK	39.2 dB @ 240.50MHz	N/A	> 32.6 dB	6.6 dB
5,4	RH	OK	45.5 dB @ 224.50MHz	N/A	> 33.1 dB	12.4 dB
1,2	RH	OK	41.5 dB @ 240.00MHz	N/A	> 32.6 dB	8.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.7 dB @ 238.00MHz	N/A	>= 2.4 dB	25.3 dB
3,6	DH	OK	26.9 dB @ 238.00MHz	N/A	>= 2.4 dB	24.5 dB
5,4	DH	OK	35.3 dB @ 236.00MHz	N/A	>= 2.6 dB	32.7 dB
1,2	DH	OK	33.3 dB @ 240.00MHz	N/A	>= 2.2 dB	31.1 dB
7,8	RH	OK	29.4 dB @ 221.00MHz	N/A	>= 4.2 dB	25.2 dB
3,6	RH	OK	26.8 dB @ 240.00MHz	N/A	>= 2.2 dB	24.6 dB
5,4	RH	OK	33.2 dB @ 242.50MHz	N/A	>= 1.9 dB	31.3 dB
1,2	RH	OK	29.9 dB @ 240.00MHz	N/A	>= 2.2 dB	27.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.7 dB @ 250.00MHz	N/A	>= 13.2 dB	13.5 dB
3,6	DH	OK	26.1 dB @ 248.50MHz	N/A	>= 13.3 dB	12.8 dB
5,4	DH	OK	30.9 dB @ 246.00MHz	N/A	>= 13.3 dB	17.6 dB
1,2	DH	OK	35.8 dB @ 238.00MHz	N/A	>= 13.6 dB	22.2 dB
7,8	RH	OK	27.8 dB @ 250.00MHz	N/A	>= 13.2 dB	14.6 dB
3,6	RH	OK	25.2 dB @ 237.00MHz	N/A	>= 13.7 dB	11.5 dB
5,4	RH	OK	30.5 dB @ 231.50MHz	N/A	>= 13.9 dB	16.6 dB
1,2	RH	OK	36.7 dB @ 248.00MHz	N/A	>= 13.3 dB	23.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0034  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:22:00  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.7m	37.5m	38.6m	36.8m	< 90.0m	OK
Ritardo di propag.	185.1ns	188.8ns	194.0ns	185.3ns	< 510.0ns	OK
Diff. t. ritardo	8.9ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	97.6 Ohm	98.0 Ohm	97.9 Ohm	99.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.8 Ohm	8.2 Ohm	9.6 Ohm	7.9 Ohm	< 20.0 Ohm	OK
Capacità	48.4pF/m	48.2pF/m	48.3pF/m	47.4pF/m	< 66.0pF/m	OK
Riserva	0.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.3 dB @ 239.50MHz	N/A	> 35.6 dB	4.7 dB
7,8-5,4	DH	OK	54.6 dB @ 179.00MHz	N/A	> 37.7 dB	16.9 dB
7,8-1,2	DH	OK	61.2 dB @ 250.00MHz	N/A	> 35.3 dB	25.9 dB
3,6-5,4	DH	OK	50.5 dB @ 232.00MHz	N/A	> 35.8 dB	14.7 dB
3,6-1,2	DH	OK	47.8 dB @ 247.50MHz	N/A	> 35.4 dB	12.4 dB
5,4-1,2	DH	OK	48.1 dB @ 249.00MHz	N/A	> 35.3 dB	12.8 dB
7,8-3,6	RH	OK	44.0 dB @ 217.00MHz	N/A	> 36.3 dB	7.7 dB
7,8-5,4	RH	OK	47.9 dB @ 245.50MHz	N/A	> 35.4 dB	12.5 dB
7,8-1,2	RH	OK	52.6 dB @ 212.00MHz	N/A	> 36.5 dB	16.1 dB
3,6-5,4	RH	OK	48.8 dB @ 246.00MHz	N/A	> 35.4 dB	13.4 dB
3,6-1,2	RH	OK	46.4 dB @ 225.50MHz	N/A	> 36.0 dB	10.4 dB
5,4-1,2	RH	OK	51.0 dB @ 211.50MHz	N/A	> 36.5 dB	14.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.7 dB @ 226.00MHz	N/A	> 10.4 dB	5.3 dB
3,6	DH	OK	16.4 dB @ 229.50MHz	N/A	> 10.4 dB	6.0 dB
5,4	DH	OK	17.8 dB @ 230.00MHz	N/A	> 10.4 dB	7.4 dB
1,2	DH	OK	19.4 dB @ 175.50MHz	N/A	> 11.5 dB	7.9 dB
7,8	RH	OK	15.2 dB @ 223.00MHz	N/A	> 10.5 dB	4.7 dB
3,6	RH	OK	17.3 dB @ 221.50MHz	N/A	> 10.5 dB	6.8 dB
5,4	RH	OK	19.2 dB @ 227.50MHz	N/A	> 10.4 dB	8.8 dB
1,2	RH	OK	17.1 dB @ 155.00MHz	N/A	> 12.1 dB	5.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.6 dB @ 248.50MHz	N/A	< 31.0 dB	16.4 dB
3,6	OK	16.0 dB @ 232.50MHz	N/A	< 29.9 dB	13.9 dB
5,4	OK	15.1 dB @ 244.50MHz	N/A	< 30.7 dB	15.6 dB
1,2	OK	14.3 dB @ 240.00MHz	N/A	< 30.4 dB	16.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.4 dB @ 238.50MHz	N/A	>= 5.4 dB	21.0 dB
3,6	DH	OK	25.2 dB @ 240.50MHz	N/A	>= 5.2 dB	20.0 dB
5,4	DH	OK	33.2 dB @ 248.50MHz	N/A	>= 4.4 dB	28.8 dB
1,2	DH	OK	33.6 dB @ 247.50MHz	N/A	>= 4.4 dB	29.2 dB
7,8	RH	OK	30.9 dB @ 217.00MHz	N/A	>= 7.6 dB	23.3 dB
3,6	RH	OK	29.9 dB @ 232.50MHz	N/A	>= 5.9 dB	24.0 dB
5,4	RH	OK	33.2 dB @ 246.00MHz	N/A	>= 4.5 dB	28.7 dB
1,2	RH	OK	33.2 dB @ 247.50MHz	N/A	>= 4.4 dB	28.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0034  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:22:00  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.0 dB @ 232.50MHz	N/A	> 16.8 dB	13.2 dB
7,8-5,4	DH	OK	42.4 dB @ 160.50MHz	N/A	> 20.0 dB	22.4 dB
7,8-1,2	DH	OK	46.2 dB @ 212.50MHz	N/A	> 17.6 dB	28.6 dB
3,6-7,8	DH	OK	33.2 dB @ 224.50MHz	N/A	> 17.1 dB	16.1 dB
3,6-5,4	DH	OK	30.8 dB @ 244.50MHz	N/A	> 16.4 dB	14.4 dB
3,6-1,2	DH	OK	43.3 dB @ 180.00MHz	N/A	> 19.1 dB	24.2 dB
5,4-7,8	DH	OK	41.8 dB @ 169.50MHz	N/A	> 19.6 dB	22.2 dB
5,4-3,6	DH	OK	31.0 dB @ 240.50MHz	N/A	> 16.5 dB	14.5 dB
5,4-1,2	DH	OK	39.4 dB @ 230.50MHz	N/A	> 16.9 dB	22.5 dB
1,2-7,8	DH	OK	47.0 dB @ 201.00MHz	N/A	> 18.1 dB	28.9 dB
1,2-3,6	DH	OK	41.3 dB @ 228.50MHz	N/A	> 17.0 dB	24.3 dB
1,2-5,4	DH	OK	37.4 dB @ 235.50MHz	N/A	> 16.7 dB	20.7 dB
7,8-3,6	RH	OK	31.4 dB @ 224.50MHz	N/A	> 17.1 dB	14.3 dB
7,8-5,4	RH	OK	43.0 dB @ 160.50MHz	N/A	> 20.0 dB	23.0 dB
7,8-1,2	RH	OK	45.5 dB @ 224.50MHz	N/A	> 17.1 dB	28.4 dB
3,6-7,8	RH	OK	32.5 dB @ 232.50MHz	N/A	> 16.8 dB	15.7 dB
3,6-5,4	RH	OK	29.9 dB @ 232.50MHz	N/A	> 16.8 dB	13.1 dB
3,6-1,2	RH	OK	42.4 dB @ 182.00MHz	N/A	> 19.0 dB	23.4 dB
5,4-7,8	RH	OK	41.4 dB @ 169.50MHz	N/A	> 19.6 dB	21.8 dB
5,4-3,6	RH	OK	31.3 dB @ 249.00MHz	N/A	> 16.2 dB	15.1 dB
5,4-1,2	RH	OK	38.3 dB @ 235.50MHz	N/A	> 16.7 dB	21.6 dB
1,2-7,8	RH	OK	47.3 dB @ 201.00MHz	N/A	> 18.1 dB	29.2 dB
1,2-3,6	RH	OK	42.4 dB @ 228.50MHz	N/A	> 17.0 dB	25.4 dB
1,2-5,4	RH	OK	38.9 dB @ 240.00MHz	N/A	> 16.6 dB	22.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.2 dB @ 242.50MHz	N/A	> 32.5 dB	7.7 dB
3,6	DH	OK	39.6 dB @ 239.50MHz	N/A	> 32.6 dB	7.0 dB
5,4	DH	OK	46.8 dB @ 229.00MHz	N/A	> 32.9 dB	13.9 dB
1,2	DH	OK	45.2 dB @ 247.00MHz	N/A	> 32.4 dB	12.8 dB
7,8	RH	OK	42.6 dB @ 216.50MHz	N/A	> 33.3 dB	9.3 dB
3,6	RH	OK	42.3 dB @ 217.00MHz	N/A	> 33.3 dB	9.0 dB
5,4	RH	OK	44.9 dB @ 246.00MHz	N/A	> 32.4 dB	12.5 dB
1,2	RH	OK	45.6 dB @ 225.50MHz	N/A	> 33.0 dB	12.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.3 dB @ 238.50MHz	N/A	>= 2.4 dB	23.9 dB
3,6	DH	OK	24.3 dB @ 240.50MHz	N/A	>= 2.2 dB	22.1 dB
5,4	DH	OK	32.2 dB @ 249.00MHz	N/A	>= 1.2 dB	31.0 dB
1,2	DH	OK	31.1 dB @ 247.50MHz	N/A	>= 1.4 dB	29.7 dB
7,8	RH	OK	29.1 dB @ 231.50MHz	N/A	>= 3.1 dB	26.0 dB
3,6	RH	OK	27.8 dB @ 228.50MHz	N/A	>= 3.4 dB	24.4 dB
5,4	RH	OK	30.1 dB @ 246.00MHz	N/A	>= 1.5 dB	28.6 dB
1,2	RH	OK	31.6 dB @ 247.50MHz	N/A	>= 1.4 dB	30.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.9 dB @ 224.50MHz	N/A	>= 14.1 dB	18.8 dB
3,6	DH	OK	27.4 dB @ 232.50MHz	N/A	>= 13.8 dB	13.6 dB
5,4	DH	OK	29.9 dB @ 235.50MHz	N/A	>= 13.7 dB	16.2 dB
1,2	DH	OK	38.3 dB @ 230.50MHz	N/A	>= 13.9 dB	24.4 dB
7,8	RH	OK	31.1 dB @ 224.50MHz	N/A	>= 14.1 dB	17.0 dB
3,6	RH	OK	27.9 dB @ 232.50MHz	N/A	>= 13.8 dB	14.1 dB
5,4	RH	OK	30.4 dB @ 235.50MHz	N/A	>= 13.7 dB	16.7 dB
1,2	RH	OK	37.2 dB @ 228.50MHz	N/A	>= 14.0 dB	23.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0035  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:23:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.8m	37.6m	38.7m	36.9m	< 90.0m	OK
Ritardo di propag.	185.4ns	189.1ns	194.4ns	185.8ns	< 510.0ns	OK
Diff. t. ritardo	9.0ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	97.8 Ohm	97.8 Ohm	97.5 Ohm	98.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.7 Ohm	8.1 Ohm	9.8 Ohm	8.0 Ohm	< 20.0 Ohm	OK
Capacità	48.3pF/m	48.2pF/m	48.5pF/m	47.7pF/m	< 66.0pF/m	OK
Riserva	0.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.2 dB @ 249.50MHz	N/A	> 35.3 dB	6.9 dB
7,8-5,4	DH	OK	52.6 dB @ 232.00MHz	N/A	> 35.8 dB	16.8 dB
7,8-1,2	DH	OK	62.2 dB @ 144.50MHz	N/A	> 39.2 dB	23.0 dB
3,6-5,4	DH	OK	52.2 dB @ 231.00MHz	N/A	> 35.9 dB	16.3 dB
3,6-1,2	DH	OK	44.9 dB @ 229.50MHz	N/A	> 35.9 dB	9.0 dB
5,4-1,2	DH	OK	48.8 dB @ 248.50MHz	N/A	> 35.4 dB	13.4 dB
7,8-3,6	RH	OK	46.9 dB @ 249.00MHz	N/A	> 35.3 dB	11.6 dB
7,8-5,4	RH	OK	46.7 dB @ 231.50MHz	N/A	> 35.9 dB	10.8 dB
7,8-1,2	RH	OK	53.2 dB @ 214.00MHz	N/A	> 36.4 dB	16.8 dB
3,6-5,4	RH	OK	49.8 dB @ 245.50MHz	N/A	> 35.4 dB	14.4 dB
3,6-1,2	RH	OK	47.5 dB @ 232.00MHz	N/A	> 35.8 dB	11.7 dB
5,4-1,2	RH	OK	53.3 dB @ 248.00MHz	N/A	> 35.4 dB	17.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.1 dB @ 223.00MHz	N/A	> 10.5 dB	6.6 dB
3,6	DH	OK	16.7 dB @ 232.00MHz	N/A	> 10.3 dB	6.4 dB
5,4	DH	OK	18.7 dB @ 226.50MHz	N/A	> 10.4 dB	8.3 dB
1,2	DH	OK	18.8 dB @ 172.00MHz	N/A	> 11.6 dB	7.2 dB
7,8	RH	OK	16.0 dB @ 219.50MHz	N/A	> 10.6 dB	5.4 dB
3,6	RH	OK	15.9 dB @ 229.00MHz	N/A	> 10.4 dB	5.5 dB
5,4	RH	OK	19.6 dB @ 240.00MHz	N/A	> 10.2 dB	9.4 dB
1,2	RH	OK	18.4 dB @ 171.50MHz	N/A	> 11.6 dB	6.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.7 dB @ 248.00MHz	N/A	< 31.0 dB	16.3 dB
3,6	OK	16.0 dB @ 242.50MHz	N/A	< 30.6 dB	14.6 dB
5,4	OK	15.2 dB @ 250.00MHz	N/A	< 31.2 dB	16.0 dB
1,2	OK	14.3 dB @ 249.00MHz	N/A	< 31.1 dB	16.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.0 dB @ 249.50MHz	N/A	>= 4.2 dB	23.8 dB
3,6	DH	OK	27.1 dB @ 250.00MHz	N/A	>= 4.1 dB	23.0 dB
5,4	DH	OK	33.8 dB @ 248.00MHz	N/A	>= 4.4 dB	29.4 dB
1,2	DH	OK	31.8 dB @ 228.50MHz	N/A	>= 6.4 dB	25.4 dB
7,8	RH	OK	32.6 dB @ 234.50MHz	N/A	>= 5.8 dB	26.8 dB
3,6	RH	OK	32.0 dB @ 248.50MHz	N/A	>= 4.4 dB	27.6 dB
5,4	RH	OK	32.2 dB @ 232.00MHz	N/A	>= 6.0 dB	26.2 dB
1,2	RH	OK	34.0 dB @ 232.00MHz	N/A	>= 6.0 dB	28.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0035  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:23:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.9 dB @ 248.50MHz	N/A	> 16.3 dB	17.6 dB
7,8-5,4	DH	OK	42.4 dB @ 250.00MHz	N/A	> 16.2 dB	26.2 dB
7,8-1,2	DH	OK	46.6 dB @ 228.50MHz	N/A	> 17.0 dB	29.6 dB
3,6-7,8	DH	OK	32.6 dB @ 238.50MHz	N/A	> 16.6 dB	16.0 dB
3,6-5,4	DH	OK	33.6 dB @ 239.50MHz	N/A	> 16.6 dB	17.0 dB
3,6-1,2	DH	OK	37.6 dB @ 249.00MHz	N/A	> 16.2 dB	21.4 dB
5,4-7,8	DH	OK	41.3 dB @ 248.00MHz	N/A	> 16.3 dB	25.0 dB
5,4-3,6	DH	OK	33.5 dB @ 242.50MHz	N/A	> 16.5 dB	17.0 dB
5,4-1,2	DH	OK	39.4 dB @ 241.00MHz	N/A	> 16.5 dB	22.9 dB
1,2-7,8	DH	OK	46.9 dB @ 208.00MHz	N/A	> 17.8 dB	29.1 dB
1,2-3,6	DH	OK	37.1 dB @ 242.50MHz	N/A	> 16.5 dB	20.6 dB
1,2-5,4	DH	OK	37.1 dB @ 233.50MHz	N/A	> 16.8 dB	20.3 dB
7,8-3,6	RH	OK	34.8 dB @ 249.00MHz	N/A	> 16.2 dB	18.6 dB
7,8-5,4	RH	OK	43.1 dB @ 248.00MHz	N/A	> 16.3 dB	26.8 dB
7,8-1,2	RH	OK	46.1 dB @ 214.00MHz	N/A	> 17.6 dB	28.5 dB
3,6-7,8	RH	OK	31.2 dB @ 242.50MHz	N/A	> 16.5 dB	14.7 dB
3,6-5,4	RH	OK	33.2 dB @ 239.50MHz	N/A	> 16.6 dB	16.6 dB
3,6-1,2	RH	OK	36.1 dB @ 242.50MHz	N/A	> 16.5 dB	19.6 dB
5,4-7,8	RH	OK	40.6 dB @ 249.50MHz	N/A	> 16.2 dB	24.4 dB
5,4-3,6	RH	OK	34.4 dB @ 246.50MHz	N/A	> 16.3 dB	18.1 dB
5,4-1,2	RH	OK	38.2 dB @ 243.00MHz	N/A	> 16.5 dB	21.7 dB
1,2-7,8	RH	OK	47.0 dB @ 208.00MHz	N/A	> 17.8 dB	29.2 dB
1,2-3,6	RH	OK	38.7 dB @ 249.00MHz	N/A	> 16.2 dB	22.5 dB
1,2-5,4	RH	OK	38.5 dB @ 237.00MHz	N/A	> 16.7 dB	21.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.1 dB @ 249.50MHz	N/A	> 32.3 dB	9.8 dB
3,6	DH	OK	40.7 dB @ 230.50MHz	N/A	> 32.9 dB	7.8 dB
5,4	DH	OK	48.1 dB @ 248.50MHz	N/A	> 32.4 dB	15.7 dB
1,2	DH	OK	44.2 dB @ 229.50MHz	N/A	> 32.9 dB	11.3 dB
7,8	RH	OK	44.3 dB @ 226.00MHz	N/A	> 33.0 dB	11.3 dB
3,6	RH	OK	44.3 dB @ 249.00MHz	N/A	> 32.3 dB	12.0 dB
5,4	RH	OK	45.3 dB @ 245.50MHz	N/A	> 32.4 dB	12.9 dB
1,2	RH	OK	46.5 dB @ 232.00MHz	N/A	> 32.8 dB	13.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.9 dB @ 238.50MHz	N/A	>= 2.4 dB	25.5 dB
3,6	DH	OK	25.8 dB @ 239.50MHz	N/A	>= 2.2 dB	23.6 dB
5,4	DH	OK	33.2 dB @ 248.00MHz	N/A	>= 1.4 dB	31.8 dB
1,2	DH	OK	31.1 dB @ 228.50MHz	N/A	>= 3.4 dB	27.7 dB
7,8	RH	OK	29.9 dB @ 248.00MHz	N/A	>= 1.4 dB	28.5 dB
3,6	RH	OK	28.8 dB @ 242.50MHz	N/A	>= 1.9 dB	26.9 dB
5,4	RH	OK	30.3 dB @ 243.00MHz	N/A	>= 1.9 dB	28.4 dB
1,2	RH	OK	33.0 dB @ 232.00MHz	N/A	>= 3.0 dB	30.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.1 dB @ 238.50MHz	N/A	>= 13.6 dB	18.5 dB
3,6	DH	OK	29.8 dB @ 242.50MHz	N/A	>= 13.5 dB	16.3 dB
5,4	DH	OK	31.7 dB @ 239.50MHz	N/A	>= 13.6 dB	18.1 dB
1,2	DH	OK	35.5 dB @ 249.00MHz	N/A	>= 13.2 dB	22.3 dB
7,8	RH	OK	34.1 dB @ 249.00MHz	N/A	>= 13.2 dB	20.9 dB
3,6	RH	OK	28.3 dB @ 239.50MHz	N/A	>= 13.6 dB	14.7 dB
5,4	RH	OK	32.3 dB @ 243.00MHz	N/A	>= 13.5 dB	18.8 dB
1,2	RH	OK	35.9 dB @ 249.00MHz	N/A	>= 13.2 dB	22.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0036  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:24:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.8m	37.5m	38.7m	36.8m	< 90.0m	OK
Ritardo di propag.	185.3ns	189.0ns	194.1ns	185.5ns	< 510.0ns	OK
Diff. t. ritardo	8.8ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	98.5 Ohm	98.4 Ohm	97.9 Ohm	99.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.0 Ohm	8.9 Ohm	10.0 Ohm	8.2 Ohm	< 20.0 Ohm	OK
Capacità	47.9pF/m	48.0pF/m	48.2pF/m	47.4pF/m	< 66.0pF/m	OK
Riserva	2.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.4 dB @ 250.00MHz	N/A	> 35.3 dB	6.1 dB
7,8-5,4	DH	OK	53.2 dB @ 231.50MHz	N/A	> 35.9 dB	17.3 dB
7,8-1,2	DH	OK	60.3 dB @ 234.50MHz	N/A	> 35.8 dB	24.5 dB
3,6-5,4	DH	OK	49.7 dB @ 228.00MHz	N/A	> 36.0 dB	13.7 dB
3,6-1,2	DH	OK	44.8 dB @ 234.00MHz	N/A	> 35.8 dB	9.0 dB
5,4-1,2	DH	OK	48.7 dB @ 248.50MHz	N/A	> 35.4 dB	13.3 dB
7,8-3,6	RH	OK	46.8 dB @ 171.00MHz	N/A	> 38.0 dB	8.8 dB
7,8-5,4	RH	OK	46.1 dB @ 238.00MHz	N/A	> 35.7 dB	10.4 dB
7,8-1,2	RH	OK	46.9 dB @ 249.00MHz	N/A	> 35.3 dB	11.6 dB
3,6-5,4	RH	OK	50.7 dB @ 242.50MHz	N/A	> 35.5 dB	15.2 dB
3,6-1,2	RH	OK	44.4 dB @ 228.50MHz	N/A	> 36.0 dB	8.4 dB
5,4-1,2	RH	OK	51.8 dB @ 146.00MHz	N/A	> 39.1 dB	12.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.5 dB @ 225.50MHz	N/A	> 10.5 dB	6.0 dB
3,6	DH	OK	16.8 dB @ 229.00MHz	N/A	> 10.4 dB	6.4 dB
5,4	DH	OK	17.8 dB @ 232.50MHz	N/A	> 10.3 dB	7.5 dB
1,2	DH	OK	18.5 dB @ 218.50MHz	N/A	> 10.6 dB	7.9 dB
7,8	RH	OK	16.4 dB @ 222.00MHz	N/A	> 10.5 dB	5.9 dB
3,6	RH	OK	16.6 dB @ 226.00MHz	N/A	> 10.4 dB	6.2 dB
5,4	RH	OK	17.9 dB @ 227.00MHz	N/A	> 10.4 dB	7.5 dB
1,2	RH	OK	17.9 dB @ 169.00MHz	N/A	> 11.7 dB	6.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.1 dB @ 244.50MHz	N/A	< 30.7 dB	17.6 dB
3,6	OK	14.5 dB @ 242.50MHz	N/A	< 30.6 dB	16.1 dB
5,4	OK	14.1 dB @ 236.50MHz	N/A	< 30.2 dB	16.1 dB
1,2	OK	13.0 dB @ 247.00MHz	N/A	< 30.9 dB	17.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.8 dB @ 244.50MHz	N/A	>= 4.8 dB	24.0 dB
3,6	DH	OK	27.8 dB @ 250.00MHz	N/A	>= 4.1 dB	23.7 dB
5,4	DH	OK	35.1 dB @ 248.50MHz	N/A	>= 4.4 dB	30.7 dB
1,2	DH	OK	32.6 dB @ 233.50MHz	N/A	>= 5.9 dB	26.7 dB
7,8	RH	OK	33.7 dB @ 238.00MHz	N/A	>= 5.4 dB	28.3 dB
3,6	RH	OK	30.7 dB @ 228.50MHz	N/A	>= 6.4 dB	24.3 dB
5,4	RH	OK	32.6 dB @ 236.50MHz	N/A	>= 5.5 dB	27.1 dB
1,2	RH	OK	32.2 dB @ 228.00MHz	N/A	>= 6.5 dB	25.7 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0036  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:24:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.4 dB @ 249.00MHz	N/A	> 16.2 dB	18.2 dB
7,8-5,4	DH	OK	43.2 dB @ 234.00MHz	N/A	> 16.8 dB	26.4 dB
7,8-1,2	DH	OK	44.9 dB @ 210.00MHz	N/A	> 17.7 dB	27.2 dB
3,6-7,8	DH	OK	33.3 dB @ 234.50MHz	N/A	> 16.8 dB	16.5 dB
3,6-5,4	DH	OK	29.9 dB @ 236.50MHz	N/A	> 16.7 dB	13.2 dB
3,6-1,2	DH	OK	33.6 dB @ 179.50MHz	N/A	> 19.1 dB	14.5 dB
5,4-7,8	DH	OK	43.3 dB @ 163.50MHz	N/A	> 19.9 dB	23.4 dB
5,4-3,6	DH	OK	30.6 dB @ 242.50MHz	N/A	> 16.5 dB	14.1 dB
5,4-1,2	DH	OK	40.2 dB @ 210.00MHz	N/A	> 17.7 dB	22.5 dB
1,2-7,8	DH	OK	45.9 dB @ 190.50MHz	N/A	> 18.6 dB	27.3 dB
1,2-3,6	DH	OK	32.9 dB @ 220.00MHz	N/A	> 17.3 dB	15.6 dB
1,2-5,4	DH	OK	38.8 dB @ 236.50MHz	N/A	> 16.7 dB	22.1 dB
7,8-3,6	RH	OK	35.3 dB @ 249.50MHz	N/A	> 16.2 dB	19.1 dB
7,8-5,4	RH	OK	44.0 dB @ 163.50MHz	N/A	> 19.9 dB	24.1 dB
7,8-1,2	RH	OK	44.4 dB @ 207.50MHz	N/A	> 17.8 dB	26.6 dB
3,6-7,8	RH	OK	32.0 dB @ 242.50MHz	N/A	> 16.5 dB	15.5 dB
3,6-5,4	RH	OK	30.1 dB @ 242.50MHz	N/A	> 16.5 dB	13.6 dB
3,6-1,2	RH	OK	32.8 dB @ 179.00MHz	N/A	> 19.1 dB	13.7 dB
5,4-7,8	RH	OK	42.8 dB @ 165.50MHz	N/A	> 19.8 dB	23.0 dB
5,4-3,6	RH	OK	30.7 dB @ 236.50MHz	N/A	> 16.7 dB	14.0 dB
5,4-1,2	RH	OK	39.3 dB @ 234.00MHz	N/A	> 16.8 dB	22.5 dB
1,2-7,8	RH	OK	46.1 dB @ 195.50MHz	N/A	> 18.3 dB	27.8 dB
1,2-3,6	RH	OK	33.8 dB @ 176.50MHz	N/A	> 19.2 dB	14.6 dB
1,2-5,4	RH	OK	39.5 dB @ 230.00MHz	N/A	> 16.9 dB	22.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 250.00MHz	N/A	> 32.3 dB	8.9 dB
3,6	DH	OK	39.8 dB @ 250.00MHz	N/A	> 32.3 dB	7.5 dB
5,4	DH	OK	47.4 dB @ 248.50MHz	N/A	> 32.4 dB	15.0 dB
1,2	DH	OK	44.0 dB @ 248.50MHz	N/A	> 32.4 dB	11.6 dB
7,8	RH	OK	43.0 dB @ 234.50MHz	N/A	> 32.8 dB	10.2 dB
3,6	RH	OK	42.7 dB @ 234.50MHz	N/A	> 32.8 dB	9.9 dB
5,4	RH	OK	45.0 dB @ 245.50MHz	N/A	> 32.4 dB	12.6 dB
1,2	RH	OK	43.0 dB @ 228.50MHz	N/A	> 33.0 dB	10.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.6 dB @ 250.00MHz	N/A	>= 1.1 dB	27.5 dB
3,6	DH	OK	26.2 dB @ 249.00MHz	N/A	>= 1.2 dB	25.0 dB
5,4	DH	OK	33.8 dB @ 248.50MHz	N/A	>= 1.4 dB	32.4 dB
1,2	DH	OK	31.3 dB @ 248.50MHz	N/A	>= 1.4 dB	29.9 dB
7,8	RH	OK	30.1 dB @ 234.50MHz	N/A	>= 2.8 dB	27.3 dB
3,6	RH	OK	29.0 dB @ 242.50MHz	N/A	>= 1.9 dB	27.1 dB
5,4	RH	OK	31.4 dB @ 236.50MHz	N/A	>= 2.5 dB	28.9 dB
1,2	RH	OK	30.8 dB @ 228.00MHz	N/A	>= 3.5 dB	27.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.9 dB @ 234.50MHz	N/A	>= 13.8 dB	19.1 dB
3,6	DH	OK	28.2 dB @ 249.00MHz	N/A	>= 13.2 dB	15.0 dB
5,4	DH	OK	29.2 dB @ 236.50MHz	N/A	>= 13.7 dB	15.5 dB
1,2	DH	OK	33.0 dB @ 188.00MHz	N/A	>= 15.7 dB	17.3 dB
7,8	RH	OK	34.5 dB @ 249.50MHz	N/A	>= 13.2 dB	21.3 dB
3,6	RH	OK	27.0 dB @ 242.50MHz	N/A	>= 13.5 dB	13.5 dB
5,4	RH	OK	30.0 dB @ 236.50MHz	N/A	>= 13.7 dB	16.3 dB
1,2	RH	OK	33.0 dB @ 214.50MHz	N/A	>= 14.5 dB	18.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

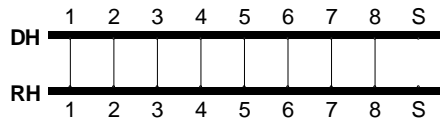
ID cavo 1: 0037  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:25:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	44.1m	45.2m	46.4m	43.9m	< 90.0m	OK
Ritardo di propag.	219.1ns	224.5ns	230.1ns	218.4ns	< 510.0ns	OK
Diff. t. ritardo	11.7ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.3 Ohm	98.7 Ohm	96.1 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.8 Ohm	9.2 Ohm	10.6 Ohm	8.8 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.8pF/m	49.2pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	9.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.3 dB @ 246.00MHz	N/A	> 35.4 dB	6.9 dB
7,8-5,4	DH	OK	52.5 dB @ 234.50MHz	N/A	> 35.8 dB	16.7 dB
7,8-1,2	DH	OK	56.9 dB @ 193.00MHz	N/A	> 37.2 dB	19.7 dB
3,6-5,4	DH	OK	53.5 dB @ 227.50MHz	N/A	> 36.0 dB	17.5 dB
3,6-1,2	DH	OK	48.1 dB @ 233.50MHz	N/A	> 35.8 dB	12.3 dB
5,4-1,2	DH	OK	48.9 dB @ 246.50MHz	N/A	> 35.4 dB	13.5 dB
7,8-3,6	RH	OK	47.3 dB @ 178.50MHz	N/A	> 37.7 dB	9.6 dB
7,8-5,4	RH	OK	46.5 dB @ 242.50MHz	N/A	> 35.5 dB	11.0 dB
7,8-1,2	RH	OK	51.9 dB @ 220.50MHz	N/A	> 36.2 dB	15.7 dB
3,6-5,4	RH	OK	52.5 dB @ 219.00MHz	N/A	> 36.3 dB	16.2 dB
3,6-1,2	RH	OK	49.3 dB @ 216.00MHz	N/A	> 36.4 dB	12.9 dB
5,4-1,2	RH	OK	51.8 dB @ 250.00MHz	N/A	> 35.3 dB	16.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.6 dB @ 219.00MHz	N/A	> 10.6 dB	6.0 dB
3,6	DH	OK	16.5 dB @ 226.50MHz	N/A	> 10.4 dB	6.1 dB
5,4	DH	OK	16.8 dB @ 230.50MHz	N/A	> 10.4 dB	6.4 dB
1,2	DH	OK	17.3 dB @ 229.50MHz	N/A	> 10.4 dB	6.9 dB
7,8	RH	OK	16.0 dB @ 226.00MHz	N/A	> 10.4 dB	5.6 dB
3,6	RH	OK	16.4 dB @ 228.50MHz	N/A	> 10.4 dB	6.0 dB
5,4	RH	OK	17.8 dB @ 222.00MHz	N/A	> 10.5 dB	7.3 dB
1,2	RH	OK	17.2 dB @ 217.00MHz	N/A	> 10.6 dB	6.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.2 dB @ 243.00MHz	N/A	< 30.6 dB	16.4 dB
3,6	OK	14.7 dB @ 241.00MHz	N/A	< 30.5 dB	15.8 dB
5,4	OK	15.1 dB @ 249.50MHz	N/A	< 31.1 dB	16.0 dB
1,2	OK	13.5 dB @ 249.50MHz	N/A	< 31.1 dB	17.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.1 dB @ 243.00MHz	N/A	>= 4.9 dB	23.2 dB
3,6	DH	OK	28.0 dB @ 243.50MHz	N/A	>= 4.8 dB	23.2 dB
5,4	DH	OK	34.5 dB @ 246.00MHz	N/A	>= 4.5 dB	30.0 dB
1,2	DH	OK	35.4 dB @ 233.50MHz	N/A	>= 5.9 dB	29.5 dB
7,8	RH	OK	32.5 dB @ 243.00MHz	N/A	>= 4.9 dB	27.6 dB
3,6	RH	OK	33.9 dB @ 238.00MHz	N/A	>= 5.4 dB	28.5 dB
5,4	RH	OK	31.5 dB @ 242.50MHz	N/A	>= 4.9 dB	26.6 dB
1,2	RH	OK	36.6 dB @ 216.00MHz	N/A	>= 7.8 dB	28.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0037  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:25:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.0 dB @ 224.00MHz	N/A	> 17.2 dB	15.8 dB
7,8-5,4	DH	OK	39.8 dB @ 225.50MHz	N/A	> 17.1 dB	22.7 dB
7,8-1,2	DH	OK	44.8 dB @ 226.50MHz	N/A	> 17.1 dB	27.7 dB
3,6-7,8	DH	OK	34.4 dB @ 243.00MHz	N/A	> 16.5 dB	17.9 dB
3,6-5,4	DH	OK	30.8 dB @ 248.50MHz	N/A	> 16.3 dB	14.5 dB
3,6-1,2	DH	OK	45.3 dB @ 233.50MHz	N/A	> 16.8 dB	28.5 dB
5,4-7,8	DH	OK	40.5 dB @ 227.50MHz	N/A	> 17.0 dB	23.5 dB
5,4-3,6	DH	OK	31.1 dB @ 241.00MHz	N/A	> 16.5 dB	14.6 dB
5,4-1,2	DH	OK	40.0 dB @ 191.00MHz	N/A	> 18.5 dB	21.5 dB
1,2-7,8	DH	OK	42.8 dB @ 243.00MHz	N/A	> 16.5 dB	26.3 dB
1,2-3,6	DH	OK	42.3 dB @ 231.00MHz	N/A	> 16.9 dB	25.4 dB
1,2-5,4	DH	OK	38.1 dB @ 187.50MHz	N/A	> 18.7 dB	19.4 dB
7,8-3,6	RH	OK	33.6 dB @ 227.50MHz	N/A	> 17.0 dB	16.6 dB
7,8-5,4	RH	OK	40.5 dB @ 227.50MHz	N/A	> 17.0 dB	23.5 dB
7,8-1,2	RH	OK	44.2 dB @ 227.50MHz	N/A	> 17.0 dB	27.2 dB
3,6-7,8	RH	OK	33.8 dB @ 232.50MHz	N/A	> 16.8 dB	17.0 dB
3,6-5,4	RH	OK	30.9 dB @ 232.50MHz	N/A	> 16.8 dB	14.1 dB
3,6-1,2	RH	OK	44.2 dB @ 226.00MHz	N/A	> 17.1 dB	27.1 dB
5,4-7,8	RH	OK	39.4 dB @ 225.50MHz	N/A	> 17.1 dB	22.3 dB
5,4-3,6	RH	OK	30.4 dB @ 230.00MHz	N/A	> 16.9 dB	13.5 dB
5,4-1,2	RH	OK	39.0 dB @ 191.00MHz	N/A	> 18.5 dB	20.5 dB
1,2-7,8	RH	OK	43.1 dB @ 249.50MHz	N/A	> 16.2 dB	26.9 dB
1,2-3,6	RH	OK	43.7 dB @ 231.00MHz	N/A	> 16.9 dB	26.8 dB
1,2-5,4	RH	OK	39.3 dB @ 187.50MHz	N/A	> 18.7 dB	20.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.0 dB @ 243.00MHz	N/A	> 32.5 dB	9.5 dB
3,6	DH	OK	41.5 dB @ 246.00MHz	N/A	> 32.4 dB	9.1 dB
5,4	DH	OK	48.3 dB @ 227.50MHz	N/A	> 33.0 dB	15.3 dB
1,2	DH	OK	46.2 dB @ 246.50MHz	N/A	> 32.4 dB	13.8 dB
7,8	RH	OK	44.1 dB @ 236.00MHz	N/A	> 32.7 dB	11.4 dB
3,6	RH	OK	45.4 dB @ 221.00MHz	N/A	> 33.2 dB	12.2 dB
5,4	RH	OK	45.4 dB @ 248.50MHz	N/A	> 32.4 dB	13.0 dB
1,2	RH	OK	47.5 dB @ 216.00MHz	N/A	> 33.4 dB	14.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.8 dB @ 243.00MHz	N/A	>= 1.9 dB	25.9 dB
3,6	DH	OK	27.4 dB @ 232.50MHz	N/A	>= 2.9 dB	24.5 dB
5,4	DH	OK	34.0 dB @ 246.00MHz	N/A	>= 1.5 dB	32.5 dB
1,2	DH	OK	33.1 dB @ 246.00MHz	N/A	>= 1.5 dB	31.6 dB
7,8	RH	OK	30.3 dB @ 243.00MHz	N/A	>= 1.9 dB	28.4 dB
3,6	RH	OK	31.5 dB @ 236.00MHz	N/A	>= 2.6 dB	28.9 dB
5,4	RH	OK	30.4 dB @ 248.50MHz	N/A	>= 1.4 dB	29.0 dB
1,2	RH	OK	34.3 dB @ 249.50MHz	N/A	>= 1.2 dB	33.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.1 dB @ 227.50MHz	N/A	>= 14.0 dB	19.1 dB
3,6	DH	OK	29.0 dB @ 232.50MHz	N/A	>= 13.8 dB	15.2 dB
5,4	DH	OK	29.8 dB @ 248.50MHz	N/A	>= 13.3 dB	16.5 dB
1,2	DH	OK	38.9 dB @ 180.00MHz	N/A	>= 16.1 dB	22.8 dB
7,8	RH	OK	32.4 dB @ 227.50MHz	N/A	>= 14.0 dB	18.4 dB
3,6	RH	OK	28.9 dB @ 232.50MHz	N/A	>= 13.8 dB	15.1 dB
5,4	RH	OK	29.7 dB @ 230.00MHz	N/A	>= 13.9 dB	15.8 dB
1,2	RH	OK	37.9 dB @ 249.50MHz	N/A	>= 13.2 dB	24.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

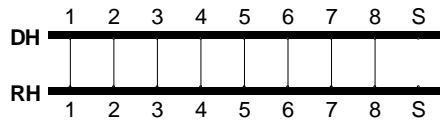
ID cavo 1: 0038  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:26:53  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

**Coppia (NVP)**

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	43.8m	45.1m	46.2m	43.9m	< 90.0m	OK
Ritardo di propag.	218.1ns	223.9ns	229.0ns	218.4ns	< 510.0ns	OK
Diff. t. ritardo	10.9ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.1 Ohm	99.5 Ohm	98.7 Ohm	101.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.8 Ohm	10.2 Ohm	11.9 Ohm	9.9 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.5pF/m	47.8pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	5.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.0 dB @ 248.00MHz	N/A	> 35.4 dB	5.6 dB
7,8-5,4	DH	OK	53.3 dB @ 231.50MHz	N/A	> 35.9 dB	17.4 dB
7,8-1,2	DH	OK	58.1 dB @ 198.00MHz	N/A	> 37.0 dB	21.1 dB
3,6-5,4	DH	OK	48.3 dB @ 228.00MHz	N/A	> 36.0 dB	12.3 dB
3,6-1,2	DH	OK	46.2 dB @ 247.00MHz	N/A	> 35.4 dB	10.8 dB
5,4-1,2	DH	OK	48.1 dB @ 249.50MHz	N/A	> 35.3 dB	12.8 dB
7,8-3,6	RH	OK	48.6 dB @ 226.50MHz	N/A	> 36.0 dB	12.6 dB
7,8-5,4	RH	OK	45.8 dB @ 237.50MHz	N/A	> 35.7 dB	10.1 dB
7,8-1,2	RH	OK	53.2 dB @ 185.00MHz	N/A	> 37.5 dB	15.7 dB
3,6-5,4	RH	OK	51.1 dB @ 226.00MHz	N/A	> 36.0 dB	15.1 dB
3,6-1,2	RH	OK	48.9 dB @ 236.50MHz	N/A	> 35.7 dB	13.2 dB
5,4-1,2	RH	OK	49.7 dB @ 210.00MHz	N/A	> 36.6 dB	13.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.7 dB @ 228.00MHz	N/A	> 10.4 dB	5.3 dB
3,6	DH	OK	15.9 dB @ 229.00MHz	N/A	> 10.4 dB	5.5 dB
5,4	DH	OK	17.8 dB @ 227.00MHz	N/A	> 10.4 dB	7.4 dB
1,2	DH	OK	18.0 dB @ 222.00MHz	N/A	> 10.5 dB	7.5 dB
7,8	RH	OK	15.0 dB @ 164.50MHz	N/A	> 11.8 dB	3.2 dB
3,6	RH	OK	16.4 dB @ 229.00MHz	N/A	> 10.4 dB	6.0 dB
5,4	RH	OK	18.4 dB @ 233.50MHz	N/A	> 10.3 dB	8.1 dB
1,2	RH	OK	16.6 dB @ 227.00MHz	N/A	> 10.4 dB	6.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.3 dB @ 243.50MHz	N/A	< 30.7 dB	16.4 dB
3,6	OK	15.3 dB @ 247.50MHz	N/A	< 31.0 dB	15.7 dB
5,4	OK	15.2 dB @ 247.00MHz	N/A	< 30.9 dB	15.7 dB
1,2	OK	14.3 dB @ 221.50MHz	N/A	< 29.0 dB	14.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.4 dB @ 248.00MHz	N/A	>= 4.4 dB	23.0 dB
3,6	DH	OK	25.7 dB @ 247.50MHz	N/A	>= 4.4 dB	21.3 dB
5,4	DH	OK	33.3 dB @ 247.00MHz	N/A	>= 4.5 dB	28.8 dB
1,2	DH	OK	32.8 dB @ 247.50MHz	N/A	>= 4.4 dB	28.4 dB
7,8	RH	OK	32.3 dB @ 238.00MHz	N/A	>= 5.4 dB	26.9 dB
3,6	RH	OK	34.1 dB @ 236.50MHz	N/A	>= 5.5 dB	28.6 dB
5,4	RH	OK	31.8 dB @ 237.00MHz	N/A	>= 5.5 dB	26.3 dB
1,2	RH	OK	35.3 dB @ 236.50MHz	N/A	>= 5.5 dB	29.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0038  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:26:53  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.0 dB @ 217.50MHz	N/A	> 17.4 dB	15.6 dB
7,8-5,4	DH	OK	42.3 dB @ 131.50MHz	N/A	> 21.8 dB	20.5 dB
7,8-1,2	DH	OK	38.5 dB @ 221.50MHz	N/A	> 17.3 dB	21.2 dB
3,6-7,8	DH	OK	33.3 dB @ 211.00MHz	N/A	> 17.7 dB	15.6 dB
3,6-5,4	DH	OK	33.9 dB @ 222.50MHz	N/A	> 17.2 dB	16.7 dB
3,6-1,2	DH	OK	45.3 dB @ 248.50MHz	N/A	> 16.3 dB	29.0 dB
5,4-7,8	DH	OK	41.4 dB @ 225.00MHz	N/A	> 17.1 dB	24.3 dB
5,4-3,6	DH	OK	33.7 dB @ 229.50MHz	N/A	> 16.9 dB	16.8 dB
5,4-1,2	DH	OK	39.9 dB @ 184.00MHz	N/A	> 18.9 dB	21.0 dB
1,2-7,8	DH	OK	39.0 dB @ 211.00MHz	N/A	> 17.7 dB	21.3 dB
1,2-3,6	DH	OK	44.8 dB @ 232.00MHz	N/A	> 16.9 dB	27.9 dB
1,2-5,4	DH	OK	39.1 dB @ 187.50MHz	N/A	> 18.7 dB	20.4 dB
7,8-3,6	RH	OK	33.6 dB @ 218.50MHz	N/A	> 17.4 dB	16.2 dB
7,8-5,4	RH	OK	42.6 dB @ 131.50MHz	N/A	> 21.8 dB	20.8 dB
7,8-1,2	RH	OK	38.5 dB @ 226.50MHz	N/A	> 17.1 dB	21.4 dB
3,6-7,8	RH	OK	33.2 dB @ 217.50MHz	N/A	> 17.4 dB	15.8 dB
3,6-5,4	RH	OK	34.1 dB @ 228.00MHz	N/A	> 17.0 dB	17.1 dB
3,6-1,2	RH	OK	43.8 dB @ 247.50MHz	N/A	> 16.3 dB	27.5 dB
5,4-7,8	RH	OK	41.1 dB @ 222.50MHz	N/A	> 17.2 dB	23.9 dB
5,4-3,6	RH	OK	34.1 dB @ 228.50MHz	N/A	> 17.0 dB	17.1 dB
5,4-1,2	RH	OK	39.3 dB @ 184.00MHz	N/A	> 18.9 dB	20.4 dB
1,2-7,8	RH	OK	39.0 dB @ 221.50MHz	N/A	> 17.3 dB	21.7 dB
1,2-3,6	RH	OK	46.0 dB @ 221.50MHz	N/A	> 17.3 dB	28.7 dB
1,2-5,4	RH	OK	39.7 dB @ 188.00MHz	N/A	> 18.7 dB	21.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.8 dB @ 248.00MHz	N/A	> 32.4 dB	8.4 dB
3,6	DH	OK	39.5 dB @ 247.50MHz	N/A	> 32.4 dB	7.1 dB
5,4	DH	OK	45.6 dB @ 247.00MHz	N/A	> 32.4 dB	13.2 dB
1,2	DH	OK	44.1 dB @ 247.00MHz	N/A	> 32.4 dB	11.7 dB
7,8	RH	OK	44.1 dB @ 226.00MHz	N/A	> 33.0 dB	11.1 dB
3,6	RH	OK	45.4 dB @ 226.50MHz	N/A	> 33.0 dB	12.4 dB
5,4	RH	OK	44.9 dB @ 237.50MHz	N/A	> 32.7 dB	12.2 dB
1,2	RH	OK	46.4 dB @ 210.00MHz	N/A	> 33.6 dB	12.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.2 dB @ 247.00MHz	N/A	>= 1.5 dB	25.7 dB
3,6	DH	OK	24.2 dB @ 247.50MHz	N/A	>= 1.4 dB	22.8 dB
5,4	DH	OK	30.4 dB @ 247.00MHz	N/A	>= 1.5 dB	28.9 dB
1,2	DH	OK	30.6 dB @ 247.50MHz	N/A	>= 1.4 dB	29.2 dB
7,8	RH	OK	30.5 dB @ 226.00MHz	N/A	>= 3.6 dB	26.9 dB
3,6	RH	OK	31.6 dB @ 236.00MHz	N/A	>= 2.6 dB	29.0 dB
5,4	RH	OK	30.7 dB @ 247.00MHz	N/A	>= 1.5 dB	29.2 dB
1,2	RH	OK	33.7 dB @ 247.50MHz	N/A	>= 1.4 dB	32.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.9 dB @ 211.00MHz	N/A	>= 14.7 dB	17.2 dB
3,6	DH	OK	30.5 dB @ 229.50MHz	N/A	>= 13.9 dB	16.6 dB
5,4	DH	OK	33.2 dB @ 222.50MHz	N/A	>= 14.2 dB	19.0 dB
1,2	DH	OK	36.7 dB @ 184.00MHz	N/A	>= 15.9 dB	20.8 dB
7,8	RH	OK	32.3 dB @ 218.50MHz	N/A	>= 14.4 dB	17.9 dB
3,6	RH	OK	30.6 dB @ 217.50MHz	N/A	>= 14.4 dB	16.2 dB
5,4	RH	OK	33.2 dB @ 222.50MHz	N/A	>= 14.2 dB	19.0 dB
1,2	RH	OK	36.9 dB @ 178.00MHz	N/A	>= 16.2 dB	20.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0039  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:28:13  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	40.3m	41.5m	42.5m	40.4m	< 90.0m	OK
Ritardo di propag.	201.9ns	207.3ns	212.0ns	202.3ns	< 510.0ns	OK
Diff. t. ritardo	10.1ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.2 Ohm	100.0 Ohm	98.9 Ohm	102.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.0 Ohm	9.3 Ohm	11.3 Ohm	9.1 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.2pF/m	47.8pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	8.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.6 dB @ 226.50MHz	N/A	> 36.0 dB	5.6 dB
7,8-5,4	DH	OK	51.5 dB @ 232.00MHz	N/A	> 35.8 dB	15.7 dB
7,8-1,2	DH	OK	56.9 dB @ 213.50MHz	N/A	> 36.4 dB	20.5 dB
3,6-5,4	DH	OK	52.1 dB @ 234.50MHz	N/A	> 35.8 dB	16.3 dB
3,6-1,2	DH	OK	47.2 dB @ 245.00MHz	N/A	> 35.5 dB	11.7 dB
5,4-1,2	DH	OK	48.6 dB @ 242.00MHz	N/A	> 35.5 dB	13.1 dB
7,8-3,6	RH	OK	46.5 dB @ 193.00MHz	N/A	> 37.2 dB	9.3 dB
7,8-5,4	RH	OK	47.7 dB @ 242.50MHz	N/A	> 35.5 dB	12.2 dB
7,8-1,2	RH	OK	49.5 dB @ 232.00MHz	N/A	> 35.8 dB	13.7 dB
3,6-5,4	RH	OK	49.3 dB @ 225.00MHz	N/A	> 36.1 dB	13.2 dB
3,6-1,2	RH	OK	46.1 dB @ 231.50MHz	N/A	> 35.9 dB	10.2 dB
5,4-1,2	RH	OK	53.5 dB @ 212.50MHz	N/A	> 36.5 dB	17.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 228.50MHz	N/A	> 10.4 dB	6.0 dB
3,6	DH	OK	15.2 dB @ 235.00MHz	N/A	> 10.3 dB	4.9 dB
5,4	DH	OK	17.6 dB @ 231.00MHz	N/A	> 10.4 dB	7.2 dB
1,2	DH	OK	16.0 dB @ 219.50MHz	N/A	> 10.6 dB	5.4 dB
7,8	RH	OK	15.9 dB @ 165.00MHz	N/A	> 11.8 dB	4.1 dB
3,6	RH	OK	15.9 dB @ 235.00MHz	N/A	> 10.3 dB	5.6 dB
5,4	RH	OK	18.5 dB @ 230.00MHz	N/A	> 10.4 dB	8.1 dB
1,2	RH	OK	15.0 dB @ 219.50MHz	N/A	> 10.6 dB	4.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.2 dB @ 249.00MHz	N/A	< 31.1 dB	17.9 dB
3,6	OK	14.1 dB @ 247.50MHz	N/A	< 31.0 dB	16.9 dB
5,4	OK	14.3 dB @ 248.00MHz	N/A	< 31.0 dB	16.7 dB
1,2	OK	13.2 dB @ 243.50MHz	N/A	< 30.7 dB	17.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.9 dB @ 226.50MHz	N/A	>= 6.6 dB	22.3 dB
3,6	DH	OK	28.8 dB @ 226.50MHz	N/A	>= 6.6 dB	22.2 dB
5,4	DH	OK	35.3 dB @ 242.00MHz	N/A	>= 4.9 dB	30.4 dB
1,2	DH	OK	34.4 dB @ 243.50MHz	N/A	>= 4.8 dB	29.6 dB
7,8	RH	OK	34.5 dB @ 224.50MHz	N/A	>= 6.8 dB	27.7 dB
3,6	RH	OK	33.1 dB @ 231.50MHz	N/A	>= 6.1 dB	27.0 dB
5,4	RH	OK	34.2 dB @ 243.00MHz	N/A	>= 4.9 dB	29.3 dB
1,2	RH	OK	33.9 dB @ 231.50MHz	N/A	>= 6.1 dB	27.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0039  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:28:13  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.1 dB @ 216.50MHz	N/A	> 17.5 dB	17.6 dB
7,8-5,4	DH	OK	39.8 dB @ 248.00MHz	N/A	> 16.3 dB	23.5 dB
7,8-1,2	DH	OK	50.4 dB @ 220.50MHz	N/A	> 17.3 dB	33.1 dB
3,6-7,8	DH	OK	36.4 dB @ 224.50MHz	N/A	> 17.1 dB	19.3 dB
3,6-5,4	DH	OK	35.3 dB @ 243.00MHz	N/A	> 16.5 dB	18.8 dB
3,6-1,2	DH	OK	45.8 dB @ 249.50MHz	N/A	> 16.2 dB	29.6 dB
5,4-7,8	DH	OK	39.2 dB @ 229.50MHz	N/A	> 16.9 dB	22.3 dB
5,4-3,6	DH	OK	35.4 dB @ 245.50MHz	N/A	> 16.4 dB	19.0 dB
5,4-1,2	DH	OK	40.6 dB @ 249.00MHz	N/A	> 16.2 dB	24.4 dB
1,2-7,8	DH	OK	49.5 dB @ 174.00MHz	N/A	> 19.3 dB	30.2 dB
1,2-3,6	DH	OK	46.7 dB @ 172.00MHz	N/A	> 19.4 dB	27.3 dB
1,2-5,4	DH	OK	38.8 dB @ 212.00MHz	N/A	> 17.6 dB	21.2 dB
7,8-3,6	RH	OK	35.0 dB @ 218.00MHz	N/A	> 17.4 dB	17.6 dB
7,8-5,4	RH	OK	40.2 dB @ 229.50MHz	N/A	> 16.9 dB	23.3 dB
7,8-1,2	RH	OK	50.3 dB @ 231.50MHz	N/A	> 16.9 dB	33.4 dB
3,6-7,8	RH	OK	36.3 dB @ 236.00MHz	N/A	> 16.7 dB	19.6 dB
3,6-5,4	RH	OK	35.4 dB @ 247.50MHz	N/A	> 16.3 dB	19.1 dB
3,6-1,2	RH	OK	45.0 dB @ 249.50MHz	N/A	> 16.2 dB	28.8 dB
5,4-7,8	RH	OK	39.0 dB @ 234.50MHz	N/A	> 16.8 dB	22.2 dB
5,4-3,6	RH	OK	34.9 dB @ 248.00MHz	N/A	> 16.3 dB	18.6 dB
5,4-1,2	RH	OK	39.5 dB @ 248.00MHz	N/A	> 16.3 dB	23.2 dB
1,2-7,8	RH	OK	49.6 dB @ 175.50MHz	N/A	> 19.3 dB	30.3 dB
1,2-3,6	RH	OK	47.2 dB @ 170.00MHz	N/A	> 19.5 dB	27.7 dB
1,2-5,4	RH	OK	39.7 dB @ 209.50MHz	N/A	> 17.7 dB	22.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 232.00MHz	N/A	> 32.8 dB	8.5 dB
3,6	DH	OK	40.9 dB @ 243.50MHz	N/A	> 32.5 dB	8.4 dB
5,4	DH	OK	47.3 dB @ 246.50MHz	N/A	> 32.4 dB	14.9 dB
1,2	DH	OK	45.2 dB @ 245.50MHz	N/A	> 32.4 dB	12.8 dB
7,8	RH	OK	44.2 dB @ 190.00MHz	N/A	> 34.3 dB	9.9 dB
3,6	RH	OK	43.3 dB @ 224.50MHz	N/A	> 33.1 dB	10.2 dB
5,4	RH	OK	46.1 dB @ 242.50MHz	N/A	> 32.5 dB	13.6 dB
1,2	RH	OK	44.5 dB @ 231.50MHz	N/A	> 32.9 dB	11.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.6 dB @ 226.50MHz	N/A	>= 3.6 dB	25.0 dB
3,6	DH	OK	27.7 dB @ 249.50MHz	N/A	>= 1.2 dB	26.5 dB
5,4	DH	OK	33.6 dB @ 248.00MHz	N/A	>= 1.4 dB	32.2 dB
1,2	DH	OK	32.0 dB @ 243.50MHz	N/A	>= 1.8 dB	30.2 dB
7,8	RH	OK	31.9 dB @ 244.00MHz	N/A	>= 1.8 dB	30.1 dB
3,6	RH	OK	30.5 dB @ 222.50MHz	N/A	>= 4.0 dB	26.5 dB
5,4	RH	OK	32.6 dB @ 243.00MHz	N/A	>= 1.9 dB	30.7 dB
1,2	RH	OK	32.3 dB @ 231.50MHz	N/A	>= 3.1 dB	29.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.7 dB @ 229.50MHz	N/A	>= 13.9 dB	20.8 dB
3,6	DH	OK	32.7 dB @ 218.50MHz	N/A	>= 14.4 dB	18.3 dB
5,4	DH	OK	33.1 dB @ 243.00MHz	N/A	>= 13.5 dB	19.6 dB
1,2	DH	OK	39.3 dB @ 249.00MHz	N/A	>= 13.2 dB	26.1 dB
7,8	RH	OK	33.9 dB @ 218.00MHz	N/A	>= 14.4 dB	19.5 dB
3,6	RH	OK	32.8 dB @ 236.00MHz	N/A	>= 13.7 dB	19.1 dB
5,4	RH	OK	32.5 dB @ 248.00MHz	N/A	>= 13.3 dB	19.2 dB
1,2	RH	OK	39.4 dB @ 235.50MHz	N/A	>= 13.7 dB	25.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0040  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:30:38  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	40.4m	41.6m	42.6m	40.5m	< 90.0m	OK
Ritardo di propag.	202.1ns	207.6ns	212.3ns	202.5ns	< 510.0ns	OK
Diff. t. ritardo	10.2ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.4 Ohm	99.8 Ohm	98.5 Ohm	101.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.3 Ohm	9.1 Ohm	10.6 Ohm	8.8 Ohm	< 20.0 Ohm	OK
Capacità	47.0pF/m	47.3pF/m	47.9pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	7.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.4 dB @ 232.00MHz	N/A	> 35.8 dB	4.6 dB
7,8-5,4	DH	OK	51.1 dB @ 234.00MHz	N/A	> 35.8 dB	15.3 dB
7,8-1,2	DH	OK	54.5 dB @ 244.00MHz	N/A	> 35.5 dB	19.0 dB
3,6-5,4	DH	OK	50.2 dB @ 234.50MHz	N/A	> 35.8 dB	14.4 dB
3,6-1,2	DH	OK	48.3 dB @ 240.00MHz	N/A	> 35.6 dB	12.7 dB
5,4-1,2	DH	OK	46.1 dB @ 249.50MHz	N/A	> 35.3 dB	10.8 dB
7,8-3,6	RH	OK	42.0 dB @ 249.50MHz	N/A	> 35.3 dB	6.7 dB
7,8-5,4	RH	OK	47.4 dB @ 244.50MHz	N/A	> 35.5 dB	11.9 dB
7,8-1,2	RH	OK	53.8 dB @ 176.00MHz	N/A	> 37.8 dB	16.0 dB
3,6-5,4	RH	OK	50.4 dB @ 224.50MHz	N/A	> 36.1 dB	14.3 dB
3,6-1,2	RH	OK	51.2 dB @ 224.50MHz	N/A	> 36.1 dB	15.1 dB
5,4-1,2	RH	OK	49.6 dB @ 250.00MHz	N/A	> 35.3 dB	14.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 226.00MHz	N/A	> 10.4 dB	5.5 dB
3,6	DH	OK	15.7 dB @ 223.50MHz	N/A	> 10.5 dB	5.2 dB
5,4	DH	OK	16.9 dB @ 230.50MHz	N/A	> 10.4 dB	6.5 dB
1,2	DH	OK	17.8 dB @ 164.00MHz	N/A	> 11.8 dB	6.0 dB
7,8	RH	OK	14.5 dB @ 220.50MHz	N/A	> 10.6 dB	3.9 dB
3,6	RH	OK	16.5 dB @ 230.00MHz	N/A	> 10.4 dB	6.1 dB
5,4	RH	OK	16.1 dB @ 230.00MHz	N/A	> 10.4 dB	5.7 dB
1,2	RH	OK	14.9 dB @ 222.00MHz	N/A	> 10.5 dB	4.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.3 dB @ 225.00MHz	N/A	< 29.3 dB	16.0 dB
3,6	OK	13.9 dB @ 240.50MHz	N/A	< 30.4 dB	16.5 dB
5,4	OK	14.2 dB @ 242.50MHz	N/A	< 30.6 dB	16.4 dB
1,2	OK	13.0 dB @ 246.50MHz	N/A	< 30.9 dB	17.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.6 dB @ 231.50MHz	N/A	>= 6.1 dB	21.5 dB
3,6	DH	OK	27.5 dB @ 232.00MHz	N/A	>= 6.0 dB	21.5 dB
5,4	DH	OK	32.8 dB @ 249.00MHz	N/A	>= 4.2 dB	28.6 dB
1,2	DH	OK	33.5 dB @ 249.50MHz	N/A	>= 4.2 dB	29.3 dB
7,8	RH	OK	29.2 dB @ 249.50MHz	N/A	>= 4.2 dB	25.0 dB
3,6	RH	OK	28.7 dB @ 249.50MHz	N/A	>= 4.2 dB	24.5 dB
5,4	RH	OK	34.5 dB @ 242.50MHz	N/A	>= 4.9 dB	29.6 dB
1,2	RH	OK	37.0 dB @ 250.00MHz	N/A	>= 4.1 dB	32.9 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0040  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:30:38  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.9 dB @ 224.00MHz	N/A	> 17.2 dB	13.7 dB
7,8-5,4	DH	OK	38.6 dB @ 242.50MHz	N/A	> 16.5 dB	22.1 dB
7,8-1,2	DH	OK	44.3 dB @ 241.00MHz	N/A	> 16.5 dB	27.8 dB
3,6-7,8	DH	OK	31.1 dB @ 225.00MHz	N/A	> 17.1 dB	14.0 dB
3,6-5,4	DH	OK	29.8 dB @ 239.00MHz	N/A	> 16.6 dB	13.2 dB
3,6-1,2	DH	OK	40.9 dB @ 184.50MHz	N/A	> 18.8 dB	22.1 dB
5,4-7,8	DH	OK	39.1 dB @ 241.00MHz	N/A	> 16.5 dB	22.6 dB
5,4-3,6	DH	OK	30.5 dB @ 242.50MHz	N/A	> 16.5 dB	14.0 dB
5,4-1,2	DH	OK	40.7 dB @ 204.50MHz	N/A	> 17.9 dB	22.8 dB
1,2-7,8	DH	OK	44.4 dB @ 176.50MHz	N/A	> 19.2 dB	25.2 dB
1,2-3,6	DH	OK	40.9 dB @ 229.00MHz	N/A	> 17.0 dB	23.9 dB
1,2-5,4	DH	OK	39.5 dB @ 212.50MHz	N/A	> 17.6 dB	21.9 dB
7,8-3,6	RH	OK	30.9 dB @ 225.00MHz	N/A	> 17.1 dB	13.8 dB
7,8-5,4	RH	OK	39.7 dB @ 231.50MHz	N/A	> 16.9 dB	22.8 dB
7,8-1,2	RH	OK	43.4 dB @ 231.50MHz	N/A	> 16.9 dB	26.5 dB
3,6-7,8	RH	OK	30.7 dB @ 240.50MHz	N/A	> 16.5 dB	14.2 dB
3,6-5,4	RH	OK	30.0 dB @ 241.00MHz	N/A	> 16.5 dB	13.5 dB
3,6-1,2	RH	OK	40.3 dB @ 184.50MHz	N/A	> 18.8 dB	21.5 dB
5,4-7,8	RH	OK	37.7 dB @ 242.50MHz	N/A	> 16.5 dB	21.2 dB
5,4-3,6	RH	OK	30.1 dB @ 242.50MHz	N/A	> 16.5 dB	13.6 dB
5,4-1,2	RH	OK	39.8 dB @ 201.50MHz	N/A	> 18.1 dB	21.7 dB
1,2-7,8	RH	OK	44.6 dB @ 177.00MHz	N/A	> 19.2 dB	25.4 dB
1,2-3,6	RH	OK	41.4 dB @ 228.00MHz	N/A	> 17.0 dB	24.4 dB
1,2-5,4	RH	OK	40.1 dB @ 214.00MHz	N/A	> 17.6 dB	22.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.1 dB @ 232.00MHz	N/A	> 32.8 dB	7.3 dB
3,6	DH	OK	39.7 dB @ 232.00MHz	N/A	> 32.8 dB	6.9 dB
5,4	DH	OK	45.3 dB @ 249.50MHz	N/A	> 32.3 dB	13.0 dB
1,2	DH	OK	44.5 dB @ 249.50MHz	N/A	> 32.3 dB	12.2 dB
7,8	RH	OK	41.2 dB @ 249.50MHz	N/A	> 32.3 dB	8.9 dB
3,6	RH	OK	41.2 dB @ 249.50MHz	N/A	> 32.3 dB	8.9 dB
5,4	RH	OK	45.6 dB @ 249.50MHz	N/A	> 32.3 dB	13.3 dB
1,2	RH	OK	47.7 dB @ 250.00MHz	N/A	> 32.3 dB	15.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.3 dB @ 231.50MHz	N/A	>= 3.1 dB	24.2 dB
3,6	DH	OK	26.4 dB @ 235.00MHz	N/A	>= 2.8 dB	23.6 dB
5,4	DH	OK	32.0 dB @ 249.00MHz	N/A	>= 1.2 dB	30.8 dB
1,2	DH	OK	31.9 dB @ 249.50MHz	N/A	>= 1.2 dB	30.7 dB
7,8	RH	OK	28.4 dB @ 249.50MHz	N/A	>= 1.2 dB	27.2 dB
3,6	RH	OK	27.9 dB @ 249.50MHz	N/A	>= 1.2 dB	26.7 dB
5,4	RH	OK	32.2 dB @ 242.50MHz	N/A	>= 1.9 dB	30.3 dB
1,2	RH	OK	35.1 dB @ 250.00MHz	N/A	>= 1.1 dB	34.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.3 dB @ 225.00MHz	N/A	>= 14.1 dB	16.2 dB
3,6	DH	OK	28.2 dB @ 224.00MHz	N/A	>= 14.2 dB	14.0 dB
5,4	DH	OK	29.2 dB @ 239.00MHz	N/A	>= 13.6 dB	15.6 dB
1,2	DH	OK	37.6 dB @ 184.50MHz	N/A	>= 15.8 dB	21.8 dB
7,8	RH	OK	30.1 dB @ 225.00MHz	N/A	>= 14.1 dB	16.0 dB
3,6	RH	OK	27.4 dB @ 241.00MHz	N/A	>= 13.5 dB	13.9 dB
5,4	RH	OK	29.3 dB @ 242.50MHz	N/A	>= 13.5 dB	15.8 dB
1,2	RH	OK	37.5 dB @ 215.00MHz	N/A	>= 14.5 dB	23.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

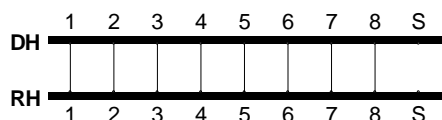
ID cavo 1: 0041  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:31:36  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	40.3m	41.5m	42.5m	40.4m	< 90.0m	OK
Ritardo di propag.	201.8ns	207.5ns	211.7ns	202.2ns	< 510.0ns	OK
Diff. t. ritardo	9.9ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.5 Ohm	98.4 Ohm	101.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.5 Ohm	9.3 Ohm	10.6 Ohm	9.0 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.6pF/m	47.9pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	7.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	39.8 dB @ 243.00MHz	N/A	> 35.5 dB	4.3 dB
7,8-5,4	DH	OK	47.7 dB @ 241.00MHz	N/A	> 35.6 dB	12.1 dB
7,8-1,2	DH	OK	58.9 dB @ 249.50MHz	N/A	> 35.3 dB	23.6 dB
3,6-5,4	DH	OK	51.9 dB @ 242.00MHz	N/A	> 35.5 dB	16.4 dB
3,6-1,2	DH	OK	46.5 dB @ 243.00MHz	N/A	> 35.5 dB	11.0 dB
5,4-1,2	DH	OK	47.9 dB @ 248.50MHz	N/A	> 35.4 dB	12.5 dB
7,8-3,6	RH	OK	46.4 dB @ 243.50MHz	N/A	> 35.5 dB	10.9 dB
7,8-5,4	RH	OK	44.2 dB @ 241.00MHz	N/A	> 35.6 dB	8.6 dB
7,8-1,2	RH	OK	58.0 dB @ 200.00MHz	N/A	> 36.9 dB	21.1 dB
3,6-5,4	RH	OK	50.9 dB @ 232.00MHz	N/A	> 35.8 dB	15.1 dB
3,6-1,2	RH	OK	49.4 dB @ 234.00MHz	N/A	> 35.8 dB	13.6 dB
5,4-1,2	RH	OK	54.4 dB @ 215.00MHz	N/A	> 36.4 dB	18.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.7 dB @ 228.00MHz	N/A	> 10.4 dB	6.3 dB
3,6	DH	OK	16.5 dB @ 230.00MHz	N/A	> 10.4 dB	6.1 dB
5,4	DH	OK	18.2 dB @ 226.00MHz	N/A	> 10.4 dB	7.8 dB
1,2	DH	OK	17.2 dB @ 214.50MHz	N/A	> 10.7 dB	6.5 dB
7,8	RH	OK	16.9 dB @ 222.50MHz	N/A	> 10.5 dB	6.4 dB
3,6	RH	OK	16.4 dB @ 235.00MHz	N/A	> 10.3 dB	6.1 dB
5,4	RH	OK	19.4 dB @ 218.50MHz	N/A	> 10.6 dB	8.8 dB
1,2	RH	OK	14.7 dB @ 166.50MHz	N/A	> 11.8 dB	2.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.3 dB @ 250.00MHz	N/A	< 31.2 dB	17.9 dB
3,6	OK	14.0 dB @ 247.00MHz	N/A	< 30.9 dB	16.9 dB
5,4	OK	13.7 dB @ 238.50MHz	N/A	< 30.3 dB	16.6 dB
1,2	OK	13.9 dB @ 248.50MHz	N/A	< 31.0 dB	17.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.2 dB @ 243.00MHz	N/A	>= 4.9 dB	22.3 dB
3,6	DH	OK	26.6 dB @ 243.00MHz	N/A	>= 4.9 dB	21.7 dB
5,4	DH	OK	34.6 dB @ 248.50MHz	N/A	>= 4.4 dB	30.2 dB
1,2	DH	OK	33.9 dB @ 248.50MHz	N/A	>= 4.4 dB	29.5 dB
7,8	RH	OK	31.2 dB @ 241.00MHz	N/A	>= 5.1 dB	26.1 dB
3,6	RH	OK	33.0 dB @ 246.00MHz	N/A	>= 4.5 dB	28.5 dB
5,4	RH	OK	31.1 dB @ 241.50MHz	N/A	>= 5.1 dB	26.0 dB
1,2	RH	OK	37.2 dB @ 234.00MHz	N/A	>= 5.8 dB	31.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0041  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:31:36  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.9 dB @ 220.00MHz	N/A	> 17.3 dB	13.6 dB
7,8-5,4	DH	OK	42.9 dB @ 210.50MHz	N/A	> 17.7 dB	25.2 dB
7,8-1,2	DH	OK	42.2 dB @ 248.50MHz	N/A	> 16.3 dB	25.9 dB
3,6-7,8	DH	OK	32.5 dB @ 223.00MHz	N/A	> 17.2 dB	15.3 dB
3,6-5,4	DH	OK	33.6 dB @ 232.50MHz	N/A	> 16.8 dB	16.8 dB
3,6-1,2	DH	OK	44.0 dB @ 170.00MHz	N/A	> 19.5 dB	24.5 dB
5,4-7,8	DH	OK	42.2 dB @ 229.00MHz	N/A	> 17.0 dB	25.2 dB
5,4-3,6	DH	OK	33.9 dB @ 247.00MHz	N/A	> 16.3 dB	17.6 dB
5,4-1,2	DH	OK	38.9 dB @ 206.00MHz	N/A	> 17.9 dB	21.0 dB
1,2-7,8	DH	OK	42.9 dB @ 178.50MHz	N/A	> 19.1 dB	23.8 dB
1,2-3,6	DH	OK	44.3 dB @ 181.00MHz	N/A	> 19.0 dB	25.3 dB
1,2-5,4	DH	OK	38.0 dB @ 205.50MHz	N/A	> 17.9 dB	20.1 dB
7,8-3,6	RH	OK	31.3 dB @ 215.50MHz	N/A	> 17.5 dB	13.8 dB
7,8-5,4	RH	OK	43.3 dB @ 211.00MHz	N/A	> 17.7 dB	25.6 dB
7,8-1,2	RH	OK	42.6 dB @ 247.00MHz	N/A	> 16.3 dB	26.3 dB
3,6-7,8	RH	OK	32.1 dB @ 223.00MHz	N/A	> 17.2 dB	14.9 dB
3,6-5,4	RH	OK	33.2 dB @ 236.00MHz	N/A	> 16.7 dB	16.5 dB
3,6-1,2	RH	OK	43.4 dB @ 170.00MHz	N/A	> 19.5 dB	23.9 dB
5,4-7,8	RH	OK	41.9 dB @ 230.00MHz	N/A	> 16.9 dB	25.0 dB
5,4-3,6	RH	OK	34.0 dB @ 238.50MHz	N/A	> 16.6 dB	17.4 dB
5,4-1,2	RH	OK	37.9 dB @ 205.50MHz	N/A	> 17.9 dB	20.0 dB
1,2-7,8	RH	OK	43.0 dB @ 248.50MHz	N/A	> 16.3 dB	26.7 dB
1,2-3,6	RH	OK	45.0 dB @ 181.00MHz	N/A	> 19.0 dB	26.0 dB
1,2-5,4	RH	OK	39.1 dB @ 215.00MHz	N/A	> 17.5 dB	21.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.3 dB @ 243.50MHz	N/A	> 32.5 dB	6.8 dB
3,6	DH	OK	38.8 dB @ 243.00MHz	N/A	> 32.5 dB	6.3 dB
5,4	DH	OK	45.4 dB @ 241.00MHz	N/A	> 32.6 dB	12.8 dB
1,2	DH	OK	44.7 dB @ 248.50MHz	N/A	> 32.4 dB	12.3 dB
7,8	RH	OK	42.2 dB @ 243.50MHz	N/A	> 32.5 dB	9.7 dB
3,6	RH	OK	44.8 dB @ 224.50MHz	N/A	> 33.1 dB	11.7 dB
5,4	RH	OK	43.7 dB @ 240.50MHz	N/A	> 32.6 dB	11.1 dB
1,2	RH	OK	48.9 dB @ 234.00MHz	N/A	> 32.8 dB	16.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.7 dB @ 243.00MHz	N/A	>= 1.9 dB	24.8 dB
3,6	DH	OK	25.6 dB @ 243.00MHz	N/A	>= 1.9 dB	23.7 dB
5,4	DH	OK	32.3 dB @ 244.00MHz	N/A	>= 1.8 dB	30.5 dB
1,2	DH	OK	30.8 dB @ 248.50MHz	N/A	>= 1.4 dB	29.4 dB
7,8	RH	OK	29.7 dB @ 243.50MHz	N/A	>= 1.8 dB	27.9 dB
3,6	RH	OK	31.5 dB @ 246.00MHz	N/A	>= 1.5 dB	30.0 dB
5,4	RH	OK	30.7 dB @ 240.50MHz	N/A	>= 2.2 dB	28.5 dB
1,2	RH	OK	36.7 dB @ 234.00MHz	N/A	>= 2.8 dB	33.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.9 dB @ 223.00MHz	N/A	>= 14.2 dB	17.7 dB
3,6	DH	OK	29.7 dB @ 220.00MHz	N/A	>= 14.3 dB	15.4 dB
5,4	DH	OK	32.9 dB @ 232.50MHz	N/A	>= 13.8 dB	19.1 dB
1,2	DH	OK	37.3 dB @ 215.00MHz	N/A	>= 14.5 dB	22.8 dB
7,8	RH	OK	30.8 dB @ 215.50MHz	N/A	>= 14.5 dB	16.3 dB
3,6	RH	OK	29.8 dB @ 231.50MHz	N/A	>= 13.9 dB	15.9 dB
5,4	RH	OK	33.3 dB @ 238.50MHz	N/A	>= 13.6 dB	19.7 dB
1,2	RH	OK	37.5 dB @ 195.50MHz	N/A	>= 15.3 dB	22.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0042  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:32:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	40.5m	41.4m	42.6m	40.6m	< 90.0m	OK
Ritardo di propag.	202.6ns	206.9ns	212.5ns	202.9ns	< 510.0ns	OK
Diff. t. ritardo	9.9ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.6 Ohm	99.0 Ohm	98.7 Ohm	101.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.5 Ohm	9.1 Ohm	10.5 Ohm	8.8 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.7pF/m	47.8pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	6.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	38.3 dB @ 244.50MHz	N/A	> 35.5 dB	2.8 dB
7,8-5,4	DH	OK	52.1 dB @ 235.50MHz	N/A	> 35.7 dB	16.4 dB
7,8-1,2	DH	OK	59.1 dB @ 207.00MHz	N/A	> 36.7 dB	22.4 dB
3,6-5,4	DH	OK	52.0 dB @ 224.00MHz	N/A	> 36.1 dB	15.9 dB
3,6-1,2	DH	OK	45.5 dB @ 238.50MHz	N/A	> 35.7 dB	9.8 dB
5,4-1,2	DH	OK	48.7 dB @ 246.50MHz	N/A	> 35.4 dB	13.3 dB
7,8-3,6	RH	OK	44.2 dB @ 191.50MHz	N/A	> 37.2 dB	7.0 dB
7,8-5,4	RH	OK	46.9 dB @ 234.00MHz	N/A	> 35.8 dB	11.1 dB
7,8-1,2	RH	OK	50.9 dB @ 238.00MHz	N/A	> 35.7 dB	15.2 dB
3,6-5,4	RH	OK	51.0 dB @ 227.00MHz	N/A	> 36.0 dB	15.0 dB
3,6-1,2	RH	OK	48.2 dB @ 217.00MHz	N/A	> 36.3 dB	11.9 dB
5,4-1,2	RH	OK	50.0 dB @ 214.50MHz	N/A	> 36.4 dB	13.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 227.50MHz	N/A	> 10.4 dB	5.5 dB
3,6	DH	OK	16.3 dB @ 225.00MHz	N/A	> 10.5 dB	5.8 dB
5,4	DH	OK	17.8 dB @ 230.50MHz	N/A	> 10.4 dB	7.4 dB
1,2	DH	OK	18.2 dB @ 224.00MHz	N/A	> 10.5 dB	7.7 dB
7,8	RH	OK	14.2 dB @ 219.50MHz	N/A	> 10.6 dB	3.6 dB
3,6	RH	OK	16.2 dB @ 217.50MHz	N/A	> 10.6 dB	5.6 dB
5,4	RH	OK	17.2 dB @ 230.00MHz	N/A	> 10.4 dB	6.8 dB
1,2	RH	OK	17.1 dB @ 236.50MHz	N/A	> 10.3 dB	6.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.4 dB @ 243.00MHz	N/A	< 30.6 dB	17.2 dB
3,6	OK	13.8 dB @ 247.50MHz	N/A	< 31.0 dB	17.2 dB
5,4	OK	13.8 dB @ 236.50MHz	N/A	< 30.2 dB	16.4 dB
1,2	OK	13.5 dB @ 226.50MHz	N/A	< 29.4 dB	15.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.9 dB @ 244.50MHz	N/A	>= 4.8 dB	21.1 dB
3,6	DH	OK	25.2 dB @ 244.50MHz	N/A	>= 4.8 dB	20.4 dB
5,4	DH	OK	35.2 dB @ 247.00MHz	N/A	>= 4.5 dB	30.7 dB
1,2	DH	OK	33.2 dB @ 249.50MHz	N/A	>= 4.2 dB	29.0 dB
7,8	RH	OK	32.2 dB @ 231.00MHz	N/A	>= 6.1 dB	26.1 dB
3,6	RH	OK	31.6 dB @ 232.00MHz	N/A	>= 6.0 dB	25.6 dB
5,4	RH	OK	33.5 dB @ 235.00MHz	N/A	>= 5.8 dB	27.7 dB
1,2	RH	OK	36.7 dB @ 216.50MHz	N/A	>= 7.6 dB	29.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0042  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:32:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	29.0 dB @ 229.00MHz	N/A	> 17.0 dB	12.0 dB
7,8-5,4	DH	OK	38.2 dB @ 247.50MHz	N/A	> 16.3 dB	21.9 dB
7,8-1,2	DH	OK	39.8 dB @ 226.50MHz	N/A	> 17.1 dB	22.7 dB
3,6-7,8	DH	OK	29.2 dB @ 226.00MHz	N/A	> 17.1 dB	12.1 dB
3,6-5,4	DH	OK	30.9 dB @ 235.00MHz	N/A	> 16.7 dB	14.2 dB
3,6-1,2	DH	OK	34.8 dB @ 226.50MHz	N/A	> 17.1 dB	17.7 dB
5,4-7,8	DH	OK	38.8 dB @ 250.00MHz	N/A	> 16.2 dB	22.6 dB
5,4-3,6	DH	OK	31.6 dB @ 247.50MHz	N/A	> 16.3 dB	15.3 dB
5,4-1,2	DH	OK	41.5 dB @ 186.50MHz	N/A	> 18.7 dB	22.8 dB
1,2-7,8	DH	OK	41.2 dB @ 249.00MHz	N/A	> 16.2 dB	25.0 dB
1,2-3,6	DH	OK	35.9 dB @ 230.00MHz	N/A	> 16.9 dB	19.0 dB
1,2-5,4	DH	OK	41.0 dB @ 196.50MHz	N/A	> 18.3 dB	22.7 dB
7,8-3,6	RH	OK	29.6 dB @ 227.50MHz	N/A	> 17.0 dB	12.6 dB
7,8-5,4	RH	OK	38.4 dB @ 243.00MHz	N/A	> 16.5 dB	21.9 dB
7,8-1,2	RH	OK	40.1 dB @ 216.50MHz	N/A	> 17.5 dB	22.6 dB
3,6-7,8	RH	OK	28.6 dB @ 228.50MHz	N/A	> 17.0 dB	11.6 dB
3,6-5,4	RH	OK	31.0 dB @ 246.50MHz	N/A	> 16.3 dB	14.7 dB
3,6-1,2	RH	OK	34.6 dB @ 230.00MHz	N/A	> 16.9 dB	17.7 dB
5,4-7,8	RH	OK	37.9 dB @ 250.00MHz	N/A	> 16.2 dB	21.7 dB
5,4-3,6	RH	OK	31.7 dB @ 236.50MHz	N/A	> 16.7 dB	15.0 dB
5,4-1,2	RH	OK	40.6 dB @ 196.50MHz	N/A	> 18.3 dB	22.3 dB
1,2-7,8	RH	OK	41.2 dB @ 249.50MHz	N/A	> 16.2 dB	25.0 dB
1,2-3,6	RH	OK	36.0 dB @ 226.50MHz	N/A	> 17.1 dB	18.9 dB
1,2-5,4	RH	OK	41.7 dB @ 202.00MHz	N/A	> 18.1 dB	23.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	38.2 dB @ 244.50MHz	N/A	> 32.5 dB	5.7 dB
3,6	DH	OK	38.0 dB @ 244.50MHz	N/A	> 32.5 dB	5.5 dB
5,4	DH	OK	48.0 dB @ 246.00MHz	N/A	> 32.4 dB	15.6 dB
1,2	DH	OK	44.1 dB @ 250.00MHz	N/A	> 32.3 dB	11.8 dB
7,8	RH	OK	42.5 dB @ 232.00MHz	N/A	> 32.8 dB	9.7 dB
3,6	RH	OK	43.5 dB @ 191.50MHz	N/A	> 34.2 dB	9.3 dB
5,4	RH	OK	45.9 dB @ 227.00MHz	N/A	> 33.0 dB	12.9 dB
1,2	RH	OK	45.7 dB @ 215.00MHz	N/A	> 33.4 dB	12.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.8 dB @ 244.50MHz	N/A	>= 1.8 dB	24.0 dB
3,6	DH	OK	24.9 dB @ 244.50MHz	N/A	>= 1.8 dB	23.1 dB
5,4	DH	OK	34.6 dB @ 246.00MHz	N/A	>= 1.5 dB	33.1 dB
1,2	DH	OK	31.5 dB @ 249.50MHz	N/A	>= 1.2 dB	30.3 dB
7,8	RH	OK	30.2 dB @ 231.00MHz	N/A	>= 3.1 dB	27.1 dB
3,6	RH	OK	30.6 dB @ 229.00MHz	N/A	>= 3.3 dB	27.3 dB
5,4	RH	OK	33.0 dB @ 227.50MHz	N/A	>= 3.5 dB	29.5 dB
1,2	RH	OK	34.0 dB @ 215.00MHz	N/A	>= 4.9 dB	29.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.8 dB @ 231.00MHz	N/A	>= 13.9 dB	14.9 dB
3,6	DH	OK	27.0 dB @ 241.50MHz	N/A	>= 13.5 dB	13.5 dB
5,4	DH	OK	30.0 dB @ 235.00MHz	N/A	>= 13.7 dB	16.3 dB
1,2	DH	OK	33.3 dB @ 226.50MHz	N/A	>= 14.1 dB	19.2 dB
7,8	RH	OK	28.8 dB @ 227.50MHz	N/A	>= 14.0 dB	14.8 dB
3,6	RH	OK	26.2 dB @ 228.50MHz	N/A	>= 14.0 dB	12.2 dB
5,4	RH	OK	30.8 dB @ 247.50MHz	N/A	>= 13.3 dB	17.5 dB
1,2	RH	OK	34.6 dB @ 226.50MHz	N/A	>= 14.1 dB	20.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0043  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:34:01  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	40.7m	41.6m	42.8m	40.8m	< 90.0m	OK
Ritardo di propag.	203.7ns	207.8ns	213.3ns	203.8ns	< 510.0ns	OK
Diff. t. ritardo	9.6ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.8 Ohm	98.4 Ohm	100.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.5 Ohm	9.2 Ohm	10.5 Ohm	8.9 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.8pF/m	48.0pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	7.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.2 dB @ 238.50MHz	N/A	> 35.7 dB	4.5 dB
7,8-5,4	DH	OK	53.5 dB @ 234.50MHz	N/A	> 35.8 dB	17.7 dB
7,8-1,2	DH	OK	58.4 dB @ 248.00MHz	N/A	> 35.4 dB	23.0 dB
3,6-5,4	DH	OK	52.5 dB @ 238.50MHz	N/A	> 35.7 dB	16.8 dB
3,6-1,2	DH	OK	46.7 dB @ 246.50MHz	N/A	> 35.4 dB	11.3 dB
5,4-1,2	DH	OK	49.1 dB @ 238.00MHz	N/A	> 35.7 dB	13.4 dB
7,8-3,6	RH	OK	45.5 dB @ 236.00MHz	N/A	> 35.7 dB	9.8 dB
7,8-5,4	RH	OK	48.0 dB @ 242.50MHz	N/A	> 35.5 dB	12.5 dB
7,8-1,2	RH	OK	50.3 dB @ 231.50MHz	N/A	> 35.9 dB	14.4 dB
3,6-5,4	RH	OK	50.6 dB @ 231.00MHz	N/A	> 35.9 dB	14.7 dB
3,6-1,2	RH	OK	46.7 dB @ 210.00MHz	N/A	> 36.6 dB	10.1 dB
5,4-1,2	RH	OK	48.7 dB @ 250.00MHz	N/A	> 35.3 dB	13.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.6 dB @ 221.00MHz	N/A	> 10.5 dB	5.1 dB
3,6	DH	OK	16.3 dB @ 226.50MHz	N/A	> 10.4 dB	5.9 dB
5,4	DH	OK	17.8 dB @ 222.00MHz	N/A	> 10.5 dB	7.3 dB
1,2	DH	OK	17.5 dB @ 220.00MHz	N/A	> 10.6 dB	6.9 dB
7,8	RH	OK	14.7 dB @ 221.00MHz	N/A	> 10.5 dB	4.2 dB
3,6	RH	OK	15.7 dB @ 226.50MHz	N/A	> 10.4 dB	5.3 dB
5,4	RH	OK	18.3 dB @ 229.00MHz	N/A	> 10.4 dB	7.9 dB
1,2	RH	OK	16.6 dB @ 222.50MHz	N/A	> 10.5 dB	6.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.2 dB @ 244.50MHz	N/A	< 30.7 dB	17.5 dB
3,6	OK	14.1 dB @ 239.50MHz	N/A	< 30.4 dB	16.3 dB
5,4	OK	13.8 dB @ 248.50MHz	N/A	< 31.0 dB	17.2 dB
1,2	OK	13.1 dB @ 246.00MHz	N/A	< 30.9 dB	17.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.3 dB @ 238.50MHz	N/A	>= 5.4 dB	21.9 dB
3,6	DH	OK	27.0 dB @ 238.50MHz	N/A	>= 5.4 dB	21.6 dB
5,4	DH	OK	35.8 dB @ 238.00MHz	N/A	>= 5.4 dB	30.4 dB
1,2	DH	OK	33.6 dB @ 246.00MHz	N/A	>= 4.5 dB	29.1 dB
7,8	RH	OK	32.5 dB @ 236.00MHz	N/A	>= 5.6 dB	26.9 dB
3,6	RH	OK	32.0 dB @ 236.00MHz	N/A	>= 5.6 dB	26.4 dB
5,4	RH	OK	34.7 dB @ 242.50MHz	N/A	>= 4.9 dB	29.8 dB
1,2	RH	OK	35.1 dB @ 210.50MHz	N/A	>= 8.3 dB	26.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0043  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:34:01  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.7 dB @ 249.00MHz	N/A	> 16.2 dB	17.5 dB
7,8-5,4	DH	OK	37.8 dB @ 246.50MHz	N/A	> 16.3 dB	21.5 dB
7,8-1,2	DH	OK	41.0 dB @ 224.50MHz	N/A	> 17.1 dB	23.9 dB
3,6-7,8	DH	OK	32.9 dB @ 244.50MHz	N/A	> 16.4 dB	16.5 dB
3,6-5,4	DH	OK	33.6 dB @ 237.50MHz	N/A	> 16.7 dB	16.9 dB
3,6-1,2	DH	OK	43.9 dB @ 164.00MHz	N/A	> 19.9 dB	24.0 dB
5,4-7,8	DH	OK	38.3 dB @ 249.50MHz	N/A	> 16.2 dB	22.1 dB
5,4-3,6	DH	OK	34.6 dB @ 216.00MHz	N/A	> 17.5 dB	17.1 dB
5,4-1,2	DH	OK	40.2 dB @ 216.00MHz	N/A	> 17.5 dB	22.7 dB
1,2-7,8	DH	OK	41.3 dB @ 174.50MHz	N/A	> 19.3 dB	22.0 dB
1,2-3,6	DH	OK	43.8 dB @ 168.00MHz	N/A	> 19.7 dB	24.1 dB
1,2-5,4	DH	OK	39.7 dB @ 214.50MHz	N/A	> 17.5 dB	22.2 dB
7,8-3,6	RH	OK	34.4 dB @ 224.50MHz	N/A	> 17.1 dB	17.3 dB
7,8-5,4	RH	OK	38.4 dB @ 246.50MHz	N/A	> 16.3 dB	22.1 dB
7,8-1,2	RH	OK	40.6 dB @ 224.50MHz	N/A	> 17.1 dB	23.5 dB
3,6-7,8	RH	OK	32.0 dB @ 243.50MHz	N/A	> 16.4 dB	15.6 dB
3,6-5,4	RH	OK	33.2 dB @ 239.50MHz	N/A	> 16.6 dB	16.6 dB
3,6-1,2	RH	OK	43.2 dB @ 249.50MHz	N/A	> 16.2 dB	27.0 dB
5,4-7,8	RH	OK	37.7 dB @ 249.50MHz	N/A	> 16.2 dB	21.5 dB
5,4-3,6	RH	OK	34.6 dB @ 214.50MHz	N/A	> 17.5 dB	17.1 dB
5,4-1,2	RH	OK	39.7 dB @ 216.00MHz	N/A	> 17.5 dB	22.2 dB
1,2-7,8	RH	OK	41.6 dB @ 189.50MHz	N/A	> 18.6 dB	23.0 dB
1,2-3,6	RH	OK	44.3 dB @ 164.50MHz	N/A	> 19.8 dB	24.5 dB
1,2-5,4	RH	OK	40.1 dB @ 210.50MHz	N/A	> 17.7 dB	22.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.0 dB @ 238.50MHz	N/A	> 32.7 dB	7.3 dB
3,6	DH	OK	39.5 dB @ 238.50MHz	N/A	> 32.7 dB	6.8 dB
5,4	DH	OK	46.7 dB @ 238.50MHz	N/A	> 32.7 dB	14.0 dB
1,2	DH	OK	44.7 dB @ 246.00MHz	N/A	> 32.4 dB	12.3 dB
7,8	RH	OK	43.5 dB @ 236.00MHz	N/A	> 32.7 dB	10.8 dB
3,6	RH	OK	43.0 dB @ 210.50MHz	N/A	> 33.5 dB	9.5 dB
5,4	RH	OK	45.9 dB @ 241.50MHz	N/A	> 32.6 dB	13.3 dB
1,2	RH	OK	44.2 dB @ 208.50MHz	N/A	> 33.6 dB	10.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.1 dB @ 238.50MHz	N/A	>= 2.4 dB	24.7 dB
3,6	DH	OK	26.3 dB @ 238.50MHz	N/A	>= 2.4 dB	23.9 dB
5,4	DH	OK	33.5 dB @ 239.00MHz	N/A	>= 2.3 dB	31.2 dB
1,2	DH	OK	31.6 dB @ 246.00MHz	N/A	>= 1.5 dB	30.1 dB
7,8	RH	OK	30.5 dB @ 236.00MHz	N/A	>= 2.6 dB	27.9 dB
3,6	RH	OK	30.0 dB @ 236.00MHz	N/A	>= 2.6 dB	27.4 dB
5,4	RH	OK	32.7 dB @ 241.50MHz	N/A	>= 2.1 dB	30.6 dB
1,2	RH	OK	32.7 dB @ 208.00MHz	N/A	>= 5.6 dB	27.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.5 dB @ 244.50MHz	N/A	>= 13.4 dB	18.1 dB
3,6	DH	OK	31.2 dB @ 249.00MHz	N/A	>= 13.2 dB	18.0 dB
5,4	DH	OK	32.1 dB @ 237.50MHz	N/A	>= 13.7 dB	18.4 dB
1,2	DH	OK	37.8 dB @ 197.00MHz	N/A	>= 15.3 dB	22.5 dB
7,8	RH	OK	32.5 dB @ 249.00MHz	N/A	>= 13.2 dB	19.3 dB
3,6	RH	OK	29.6 dB @ 243.50MHz	N/A	>= 13.4 dB	16.2 dB
5,4	RH	OK	33.0 dB @ 214.50MHz	N/A	>= 14.5 dB	18.5 dB
1,2	RH	OK	38.1 dB @ 192.00MHz	N/A	>= 15.5 dB	22.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

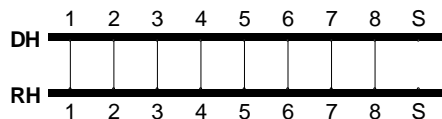
**OK**

ID cavo 1: 0044  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:35:04  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	40.5m	41.7m	42.8m	40.5m	< 90.0m	OK
Ritardo di propag.	202.8ns	208.1ns	213.3ns	202.7ns	< 510.0ns	OK
Diff. t. ritardo	10.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.7 Ohm	99.6 Ohm	96.5 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.5 Ohm	9.2 Ohm	10.6 Ohm	8.8 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.4pF/m	48.9pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	4.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 242.50MHz	N/A	> 35.5 dB	6.0 dB
7,8-5,4	DH	OK	51.5 dB @ 229.50MHz	N/A	> 35.9 dB	15.6 dB
7,8-1,2	DH	OK	55.9 dB @ 188.00MHz	N/A	> 37.3 dB	18.6 dB
3,6-5,4	DH	OK	53.4 dB @ 119.00MHz	N/A	> 40.6 dB	12.8 dB
3,6-1,2	DH	OK	43.4 dB @ 242.50MHz	N/A	> 35.5 dB	7.9 dB
5,4-1,2	DH	OK	46.4 dB @ 249.50MHz	N/A	> 35.3 dB	11.1 dB
7,8-3,6	RH	OK	49.0 dB @ 234.00MHz	N/A	> 35.8 dB	13.2 dB
7,8-5,4	RH	OK	49.0 dB @ 229.50MHz	N/A	> 35.9 dB	13.1 dB
7,8-1,2	RH	OK	49.2 dB @ 191.50MHz	N/A	> 37.2 dB	12.0 dB
3,6-5,4	RH	OK	50.7 dB @ 224.00MHz	N/A	> 36.1 dB	14.6 dB
3,6-1,2	RH	OK	46.1 dB @ 229.50MHz	N/A	> 35.9 dB	10.2 dB
5,4-1,2	RH	OK	49.2 dB @ 250.00MHz	N/A	> 35.3 dB	13.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 222.00MHz	N/A	> 10.5 dB	5.6 dB
3,6	DH	OK	15.7 dB @ 229.50MHz	N/A	> 10.4 dB	5.3 dB
5,4	DH	OK	17.0 dB @ 227.50MHz	N/A	> 10.4 dB	6.6 dB
1,2	DH	OK	18.7 dB @ 221.50MHz	N/A	> 10.5 dB	8.2 dB
7,8	RH	OK	15.0 dB @ 222.00MHz	N/A	> 10.5 dB	4.5 dB
3,6	RH	OK	16.6 dB @ 224.50MHz	N/A	> 10.5 dB	6.1 dB
5,4	RH	OK	17.2 dB @ 237.00MHz	N/A	> 10.2 dB	7.0 dB
1,2	RH	OK	17.2 dB @ 224.50MHz	N/A	> 10.5 dB	6.7 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.7 dB @ 243.50MHz	N/A	< 30.7 dB	18.0 dB
3,6	OK	14.8 dB @ 238.50MHz	N/A	< 30.3 dB	15.5 dB
5,4	OK	13.8 dB @ 242.50MHz	N/A	< 30.6 dB	16.8 dB
1,2	OK	12.6 dB @ 249.00MHz	N/A	< 31.1 dB	18.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	29.5 dB @ 242.50MHz	N/A	>= 4.9 dB	24.6 dB
3,6	DH	OK	27.4 dB @ 238.50MHz	N/A	>= 5.4 dB	22.0 dB
5,4	DH	OK	32.9 dB @ 247.00MHz	N/A	>= 4.5 dB	28.4 dB
1,2	DH	OK	31.0 dB @ 243.00MHz	N/A	>= 4.9 dB	26.1 dB
7,8	RH	OK	36.7 dB @ 234.00MHz	N/A	>= 5.8 dB	30.9 dB
3,6	RH	OK	33.4 dB @ 230.50MHz	N/A	>= 6.2 dB	27.2 dB
5,4	RH	OK	35.6 dB @ 250.00MHz	N/A	>= 4.1 dB	31.5 dB
1,2	RH	OK	34.6 dB @ 230.00MHz	N/A	>= 6.2 dB	28.4 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0044  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:35:04  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.5 dB @ 238.50MHz	N/A	> 16.6 dB	17.9 dB
7,8-5,4	DH	OK	42.8 dB @ 250.00MHz	N/A	> 16.2 dB	26.6 dB
7,8-1,2	DH	OK	43.6 dB @ 175.00MHz	N/A	> 19.3 dB	24.3 dB
3,6-7,8	DH	OK	35.4 dB @ 225.50MHz	N/A	> 17.1 dB	18.3 dB
3,6-5,4	DH	OK	32.1 dB @ 242.50MHz	N/A	> 16.5 dB	15.6 dB
3,6-1,2	DH	OK	44.7 dB @ 169.50MHz	N/A	> 19.6 dB	25.1 dB
5,4-7,8	DH	OK	44.3 dB @ 236.00MHz	N/A	> 16.7 dB	27.6 dB
5,4-3,6	DH	OK	31.7 dB @ 238.50MHz	N/A	> 16.6 dB	15.1 dB
5,4-1,2	DH	OK	37.3 dB @ 208.50MHz	N/A	> 17.8 dB	19.5 dB
1,2-7,8	DH	OK	43.1 dB @ 159.50MHz	N/A	> 20.1 dB	23.0 dB
1,2-3,6	DH	OK	45.1 dB @ 177.50MHz	N/A	> 19.2 dB	25.9 dB
1,2-5,4	DH	OK	36.3 dB @ 207.50MHz	N/A	> 17.8 dB	18.5 dB
7,8-3,6	RH	OK	35.1 dB @ 218.50MHz	N/A	> 17.4 dB	17.7 dB
7,8-5,4	RH	OK	43.7 dB @ 249.50MHz	N/A	> 16.2 dB	27.5 dB
7,8-1,2	RH	OK	43.1 dB @ 174.50MHz	N/A	> 19.3 dB	23.8 dB
3,6-7,8	RH	OK	34.3 dB @ 238.50MHz	N/A	> 16.6 dB	17.7 dB
3,6-5,4	RH	OK	31.6 dB @ 238.50MHz	N/A	> 16.6 dB	15.0 dB
3,6-1,2	RH	OK	44.1 dB @ 250.00MHz	N/A	> 16.2 dB	27.9 dB
5,4-7,8	RH	OK	43.6 dB @ 249.00MHz	N/A	> 16.2 dB	27.4 dB
5,4-3,6	RH	OK	32.1 dB @ 249.00MHz	N/A	> 16.2 dB	15.9 dB
5,4-1,2	RH	OK	36.3 dB @ 207.50MHz	N/A	> 17.8 dB	18.5 dB
1,2-7,8	RH	OK	43.4 dB @ 159.50MHz	N/A	> 20.1 dB	23.3 dB
1,2-3,6	RH	OK	45.5 dB @ 168.50MHz	N/A	> 19.6 dB	25.9 dB
1,2-5,4	RH	OK	37.7 dB @ 203.00MHz	N/A	> 18.0 dB	19.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 242.50MHz	N/A	> 32.5 dB	8.8 dB
3,6	DH	OK	39.3 dB @ 242.50MHz	N/A	> 32.5 dB	6.8 dB
5,4	DH	OK	45.9 dB @ 249.50MHz	N/A	> 32.3 dB	13.6 dB
1,2	DH	OK	42.5 dB @ 242.50MHz	N/A	> 32.5 dB	10.0 dB
7,8	RH	OK	44.7 dB @ 234.00MHz	N/A	> 32.8 dB	11.9 dB
3,6	RH	OK	43.8 dB @ 229.00MHz	N/A	> 32.9 dB	10.9 dB
5,4	RH	OK	46.9 dB @ 231.50MHz	N/A	> 32.9 dB	14.0 dB
1,2	RH	OK	44.4 dB @ 230.50MHz	N/A	> 32.9 dB	11.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.2 dB @ 243.50MHz	N/A	>= 1.8 dB	27.4 dB
3,6	DH	OK	25.4 dB @ 238.50MHz	N/A	>= 2.4 dB	23.0 dB
5,4	DH	OK	32.4 dB @ 247.00MHz	N/A	>= 1.5 dB	30.9 dB
1,2	DH	OK	30.1 dB @ 243.00MHz	N/A	>= 1.9 dB	28.2 dB
7,8	RH	OK	32.4 dB @ 234.00MHz	N/A	>= 2.8 dB	29.6 dB
3,6	RH	OK	31.2 dB @ 229.00MHz	N/A	>= 3.3 dB	27.9 dB
5,4	RH	OK	33.5 dB @ 250.00MHz	N/A	>= 1.1 dB	32.4 dB
1,2	RH	OK	32.5 dB @ 230.50MHz	N/A	>= 3.2 dB	29.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.9 dB @ 225.50MHz	N/A	>= 14.1 dB	20.8 dB
3,6	DH	OK	29.8 dB @ 238.50MHz	N/A	>= 13.6 dB	16.2 dB
5,4	DH	OK	31.7 dB @ 242.50MHz	N/A	>= 13.5 dB	18.2 dB
1,2	DH	OK	36.2 dB @ 208.50MHz	N/A	>= 14.8 dB	21.4 dB
7,8	RH	OK	34.3 dB @ 218.50MHz	N/A	>= 14.4 dB	19.9 dB
3,6	RH	OK	29.7 dB @ 238.50MHz	N/A	>= 13.6 dB	16.1 dB
5,4	RH	OK	31.7 dB @ 249.00MHz	N/A	>= 13.2 dB	18.5 dB
1,2	RH	OK	37.1 dB @ 203.00MHz	N/A	>= 15.0 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

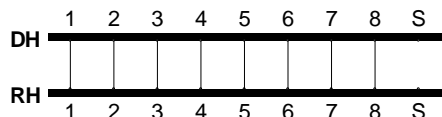
**OK**

ID cavo 1: 0045  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:36:20  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	40.5m	41.5m	42.6m	40.6m	< 90.0m	OK
Ritardo di propag.	202.7ns	207.0ns	212.4ns	203.0ns	< 510.0ns	OK
Diff. t. ritardo	9.7ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.7 Ohm	98.4 Ohm	100.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.7 Ohm	9.2 Ohm	10.8 Ohm	8.8 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.8pF/m	48.0pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	7.2 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.0 dB @ 240.00MHz	N/A	> 35.6 dB	5.4 dB
7,8-5,4	DH	OK	53.0 dB @ 229.50MHz	N/A	> 35.9 dB	17.1 dB
7,8-1,2	DH	OK	58.7 dB @ 207.00MHz	N/A	> 36.7 dB	22.0 dB
3,6-5,4	DH	OK	49.6 dB @ 221.50MHz	N/A	> 36.2 dB	13.4 dB
3,6-1,2	DH	OK	44.0 dB @ 245.00MHz	N/A	> 35.5 dB	8.5 dB
5,4-1,2	DH	OK	48.2 dB @ 244.50MHz	N/A	> 35.5 dB	12.7 dB
7,8-3,6	RH	OK	46.0 dB @ 234.50MHz	N/A	> 35.8 dB	10.2 dB
7,8-5,4	RH	OK	47.0 dB @ 232.00MHz	N/A	> 35.8 dB	11.2 dB
7,8-1,2	RH	OK	53.4 dB @ 247.50MHz	N/A	> 35.4 dB	18.0 dB
3,6-5,4	RH	OK	50.2 dB @ 232.00MHz	N/A	> 35.8 dB	14.4 dB
3,6-1,2	RH	OK	43.0 dB @ 196.50MHz	N/A	> 37.0 dB	6.0 dB
5,4-1,2	RH	OK	50.7 dB @ 204.00MHz	N/A	> 36.8 dB	13.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.4 dB @ 222.50MHz	N/A	> 10.5 dB	6.9 dB
3,6	DH	OK	16.9 dB @ 228.00MHz	N/A	> 10.4 dB	6.5 dB
5,4	DH	OK	17.9 dB @ 237.50MHz	N/A	> 10.2 dB	7.7 dB
1,2	DH	OK	18.3 dB @ 224.50MHz	N/A	> 10.5 dB	7.8 dB
7,8	RH	OK	15.1 dB @ 221.50MHz	N/A	> 10.5 dB	4.6 dB
3,6	RH	OK	16.4 dB @ 222.00MHz	N/A	> 10.5 dB	5.9 dB
5,4	RH	OK	17.8 dB @ 232.50MHz	N/A	> 10.3 dB	7.5 dB
1,2	RH	OK	16.6 dB @ 224.00MHz	N/A	> 10.5 dB	6.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.2 dB @ 250.00MHz	N/A	< 31.2 dB	18.0 dB
3,6	OK	14.2 dB @ 247.00MHz	N/A	< 30.9 dB	16.7 dB
5,4	OK	13.9 dB @ 246.50MHz	N/A	< 30.9 dB	17.0 dB
1,2	OK	13.3 dB @ 249.00MHz	N/A	< 31.1 dB	17.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.6 dB @ 240.00MHz	N/A	>= 5.2 dB	23.4 dB
3,6	DH	OK	27.6 dB @ 240.00MHz	N/A	>= 5.2 dB	22.4 dB
5,4	DH	OK	34.9 dB @ 244.00MHz	N/A	>= 4.8 dB	30.1 dB
1,2	DH	OK	30.8 dB @ 245.00MHz	N/A	>= 4.7 dB	26.1 dB
7,8	RH	OK	33.0 dB @ 234.00MHz	N/A	>= 5.8 dB	27.2 dB
3,6	RH	OK	30.9 dB @ 224.00MHz	N/A	>= 6.9 dB	24.0 dB
5,4	RH	OK	33.9 dB @ 231.50MHz	N/A	>= 6.1 dB	27.8 dB
1,2	RH	OK	31.7 dB @ 224.50MHz	N/A	>= 6.8 dB	24.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0045  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:36:20  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	29.4 dB @ 249.50MHz	N/A	> 16.2 dB	13.2 dB
7,8-5,4	DH	OK	41.3 dB @ 243.00MHz	N/A	> 16.5 dB	24.8 dB
7,8-1,2	DH	OK	44.3 dB @ 249.00MHz	N/A	> 16.2 dB	28.1 dB
3,6-7,8	DH	OK	29.2 dB @ 250.00MHz	N/A	> 16.2 dB	13.0 dB
3,6-5,4	DH	OK	31.4 dB @ 246.50MHz	N/A	> 16.3 dB	15.1 dB
3,6-1,2	DH	OK	38.2 dB @ 249.00MHz	N/A	> 16.2 dB	22.0 dB
5,4-7,8	DH	OK	40.1 dB @ 250.00MHz	N/A	> 16.2 dB	23.9 dB
5,4-3,6	DH	OK	30.4 dB @ 247.00MHz	N/A	> 16.3 dB	14.1 dB
5,4-1,2	DH	OK	37.7 dB @ 215.00MHz	N/A	> 17.5 dB	20.2 dB
1,2-7,8	DH	OK	42.9 dB @ 234.00MHz	N/A	> 16.8 dB	26.1 dB
1,2-3,6	DH	OK	37.5 dB @ 249.50MHz	N/A	> 16.2 dB	21.3 dB
1,2-5,4	DH	OK	37.3 dB @ 205.50MHz	N/A	> 17.9 dB	19.4 dB
7,8-3,6	RH	OK	30.1 dB @ 250.00MHz	N/A	> 16.2 dB	13.9 dB
7,8-5,4	RH	OK	41.8 dB @ 243.50MHz	N/A	> 16.4 dB	25.4 dB
7,8-1,2	RH	OK	44.0 dB @ 234.00MHz	N/A	> 16.8 dB	27.2 dB
3,6-7,8	RH	OK	28.4 dB @ 247.00MHz	N/A	> 16.3 dB	12.1 dB
3,6-5,4	RH	OK	31.0 dB @ 246.00MHz	N/A	> 16.3 dB	14.7 dB
3,6-1,2	RH	OK	37.8 dB @ 249.50MHz	N/A	> 16.2 dB	21.6 dB
5,4-7,8	RH	OK	39.9 dB @ 250.00MHz	N/A	> 16.2 dB	23.7 dB
5,4-3,6	RH	OK	30.6 dB @ 235.50MHz	N/A	> 16.7 dB	13.9 dB
5,4-1,2	RH	OK	37.7 dB @ 215.50MHz	N/A	> 17.5 dB	20.2 dB
1,2-7,8	RH	OK	43.1 dB @ 224.50MHz	N/A	> 17.1 dB	26.0 dB
1,2-3,6	RH	OK	38.3 dB @ 249.00MHz	N/A	> 16.2 dB	22.1 dB
1,2-5,4	RH	OK	37.8 dB @ 206.00MHz	N/A	> 17.9 dB	19.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.8 dB @ 240.00MHz	N/A	> 32.6 dB	8.2 dB
3,6	DH	OK	39.9 dB @ 242.50MHz	N/A	> 32.5 dB	7.4 dB
5,4	DH	OK	46.6 dB @ 244.50MHz	N/A	> 32.5 dB	14.1 dB
1,2	DH	OK	42.6 dB @ 245.00MHz	N/A	> 32.5 dB	10.1 dB
7,8	RH	OK	43.7 dB @ 234.50MHz	N/A	> 32.8 dB	10.9 dB
3,6	RH	OK	42.3 dB @ 196.50MHz	N/A	> 34.0 dB	8.3 dB
5,4	RH	OK	45.2 dB @ 232.00MHz	N/A	> 32.8 dB	12.4 dB
1,2	RH	OK	42.3 dB @ 196.50MHz	N/A	> 34.0 dB	8.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.4 dB @ 240.00MHz	N/A	>= 2.2 dB	26.2 dB
3,6	DH	OK	26.5 dB @ 231.50MHz	N/A	>= 3.1 dB	23.4 dB
5,4	DH	OK	33.3 dB @ 244.50MHz	N/A	>= 1.8 dB	31.5 dB
1,2	DH	OK	29.4 dB @ 245.00MHz	N/A	>= 1.7 dB	27.7 dB
7,8	RH	OK	30.6 dB @ 234.00MHz	N/A	>= 2.8 dB	27.8 dB
3,6	RH	OK	29.6 dB @ 224.00MHz	N/A	>= 3.9 dB	25.7 dB
5,4	RH	OK	31.7 dB @ 246.50MHz	N/A	>= 1.5 dB	30.2 dB
1,2	RH	OK	31.1 dB @ 196.00MHz	N/A	>= 6.9 dB	24.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.7 dB @ 250.00MHz	N/A	>= 13.2 dB	15.5 dB
3,6	DH	OK	26.5 dB @ 247.00MHz	N/A	>= 13.3 dB	13.2 dB
5,4	DH	OK	30.7 dB @ 246.50MHz	N/A	>= 13.3 dB	17.4 dB
1,2	DH	OK	36.0 dB @ 215.00MHz	N/A	>= 14.5 dB	21.5 dB
7,8	RH	OK	29.6 dB @ 250.00MHz	N/A	>= 13.2 dB	16.4 dB
3,6	RH	OK	26.2 dB @ 247.00MHz	N/A	>= 13.3 dB	12.9 dB
5,4	RH	OK	29.9 dB @ 235.50MHz	N/A	>= 13.7 dB	16.2 dB
1,2	RH	OK	36.4 dB @ 249.00MHz	N/A	>= 13.2 dB	23.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0046  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:37:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	40.7m	41.6m	42.8m	40.7m	< 90.0m	OK
Ritardo di propag.	203.4ns	207.8ns	213.1ns	203.6ns	< 510.0ns	OK
Diff. t. ritardo	9.7ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	98.6 Ohm	98.5 Ohm	97.9 Ohm	100.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.8 Ohm	9.1 Ohm	10.6 Ohm	8.8 Ohm	< 20.0 Ohm	OK
Capacità	47.9pF/m	48.0pF/m	48.2pF/m	47.1pF/m	< 66.0pF/m	OK
Riserva	4.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.0 dB @ 242.00MHz	N/A	> 35.5 dB	4.5 dB
7,8-5,4	DH	OK	51.9 dB @ 224.00MHz	N/A	> 36.1 dB	15.8 dB
7,8-1,2	DH	OK	58.1 dB @ 232.50MHz	N/A	> 35.8 dB	22.3 dB
3,6-5,4	DH	OK	50.2 dB @ 231.00MHz	N/A	> 35.9 dB	14.3 dB
3,6-1,2	DH	OK	44.0 dB @ 248.50MHz	N/A	> 35.4 dB	8.6 dB
5,4-1,2	DH	OK	45.7 dB @ 249.00MHz	N/A	> 35.3 dB	10.4 dB
7,8-3,6	RH	OK	44.9 dB @ 244.00MHz	N/A	> 35.5 dB	9.4 dB
7,8-5,4	RH	OK	48.6 dB @ 234.00MHz	N/A	> 35.8 dB	12.8 dB
7,8-1,2	RH	OK	52.3 dB @ 245.00MHz	N/A	> 35.5 dB	16.8 dB
3,6-5,4	RH	OK	52.1 dB @ 223.50MHz	N/A	> 36.1 dB	16.0 dB
3,6-1,2	RH	OK	44.7 dB @ 237.00MHz	N/A	> 35.7 dB	9.0 dB
5,4-1,2	RH	OK	50.1 dB @ 205.50MHz	N/A	> 36.7 dB	13.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	18.3 dB @ 164.00MHz	N/A	> 11.8 dB	6.5 dB
3,6	DH	OK	17.0 dB @ 224.50MHz	N/A	> 10.5 dB	6.5 dB
5,4	DH	OK	18.1 dB @ 225.00MHz	N/A	> 10.5 dB	7.6 dB
1,2	DH	OK	19.0 dB @ 168.50MHz	N/A	> 11.7 dB	7.3 dB
7,8	RH	OK	15.0 dB @ 221.50MHz	N/A	> 10.5 dB	4.5 dB
3,6	RH	OK	16.9 dB @ 224.50MHz	N/A	> 10.5 dB	6.4 dB
5,4	RH	OK	17.6 dB @ 232.50MHz	N/A	> 10.3 dB	7.3 dB
1,2	RH	OK	18.5 dB @ 216.00MHz	N/A	> 10.6 dB	7.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.0 dB @ 239.00MHz	N/A	< 30.3 dB	16.3 dB
3,6	OK	15.2 dB @ 243.50MHz	N/A	< 30.7 dB	15.5 dB
5,4	OK	14.4 dB @ 245.00MHz	N/A	< 30.8 dB	16.4 dB
1,2	OK	14.1 dB @ 241.00MHz	N/A	< 30.5 dB	16.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.3 dB @ 242.00MHz	N/A	>= 4.9 dB	21.4 dB
3,6	DH	OK	25.8 dB @ 241.50MHz	N/A	>= 5.1 dB	20.7 dB
5,4	DH	OK	31.7 dB @ 249.00MHz	N/A	>= 4.2 dB	27.5 dB
1,2	DH	OK	30.8 dB @ 238.50MHz	N/A	>= 5.4 dB	25.4 dB
7,8	RH	OK	31.6 dB @ 243.00MHz	N/A	>= 4.9 dB	26.7 dB
3,6	RH	OK	30.1 dB @ 243.50MHz	N/A	>= 4.8 dB	25.3 dB
5,4	RH	OK	34.9 dB @ 235.00MHz	N/A	>= 5.8 dB	29.1 dB
1,2	RH	OK	31.9 dB @ 237.00MHz	N/A	>= 5.5 dB	26.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0046  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:37:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	28.7 dB @ 250.00MHz	N/A	> 16.2 dB	12.5 dB
7,8-5,4	DH	OK	42.1 dB @ 245.00MHz	N/A	> 16.4 dB	25.7 dB
7,8-1,2	DH	OK	44.7 dB @ 241.00MHz	N/A	> 16.5 dB	28.2 dB
3,6-7,8	DH	OK	27.9 dB @ 239.00MHz	N/A	> 16.6 dB	11.3 dB
3,6-5,4	DH	OK	29.6 dB @ 242.00MHz	N/A	> 16.5 dB	13.1 dB
3,6-1,2	DH	OK	35.6 dB @ 246.50MHz	N/A	> 16.3 dB	19.3 dB
5,4-7,8	DH	OK	42.0 dB @ 244.50MHz	N/A	> 16.4 dB	25.6 dB
5,4-3,6	DH	OK	29.0 dB @ 243.50MHz	N/A	> 16.4 dB	12.6 dB
5,4-1,2	DH	OK	37.8 dB @ 214.50MHz	N/A	> 17.5 dB	20.3 dB
1,2-7,8	DH	OK	44.3 dB @ 177.00MHz	N/A	> 19.2 dB	25.1 dB
1,2-3,6	DH	OK	36.3 dB @ 250.00MHz	N/A	> 16.2 dB	20.1 dB
1,2-5,4	DH	OK	37.0 dB @ 225.00MHz	N/A	> 17.1 dB	19.9 dB
7,8-3,6	RH	OK	29.8 dB @ 250.00MHz	N/A	> 16.2 dB	13.6 dB
7,8-5,4	RH	OK	42.5 dB @ 239.00MHz	N/A	> 16.6 dB	25.9 dB
7,8-1,2	RH	OK	45.1 dB @ 239.00MHz	N/A	> 16.6 dB	28.5 dB
3,6-7,8	RH	OK	27.0 dB @ 243.50MHz	N/A	> 16.4 dB	10.6 dB
3,6-5,4	RH	OK	28.9 dB @ 243.50MHz	N/A	> 16.4 dB	12.5 dB
3,6-1,2	RH	OK	34.3 dB @ 250.00MHz	N/A	> 16.2 dB	18.1 dB
5,4-7,8	RH	OK	41.5 dB @ 233.00MHz	N/A	> 16.8 dB	24.7 dB
5,4-3,6	RH	OK	29.5 dB @ 245.00MHz	N/A	> 16.4 dB	13.1 dB
5,4-1,2	RH	OK	37.4 dB @ 219.00MHz	N/A	> 17.4 dB	20.0 dB
1,2-7,8	RH	OK	44.7 dB @ 176.00MHz	N/A	> 19.2 dB	25.5 dB
1,2-3,6	RH	OK	37.1 dB @ 248.00MHz	N/A	> 16.3 dB	20.8 dB
1,2-5,4	RH	OK	37.9 dB @ 216.50MHz	N/A	> 17.5 dB	20.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.9 dB @ 242.00MHz	N/A	> 32.5 dB	7.4 dB
3,6	DH	OK	38.7 dB @ 242.00MHz	N/A	> 32.5 dB	6.2 dB
5,4	DH	OK	44.7 dB @ 249.00MHz	N/A	> 32.3 dB	12.4 dB
1,2	DH	OK	41.7 dB @ 249.00MHz	N/A	> 32.3 dB	9.4 dB
7,8	RH	OK	43.0 dB @ 244.00MHz	N/A	> 32.5 dB	10.5 dB
3,6	RH	OK	42.4 dB @ 236.50MHz	N/A	> 32.7 dB	9.7 dB
5,4	RH	OK	46.3 dB @ 246.50MHz	N/A	> 32.4 dB	13.9 dB
1,2	RH	OK	44.1 dB @ 237.50MHz	N/A	> 32.7 dB	11.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.2 dB @ 242.00MHz	N/A	>= 1.9 dB	24.3 dB
3,6	DH	OK	24.5 dB @ 241.50MHz	N/A	>= 2.1 dB	22.4 dB
5,4	DH	OK	30.7 dB @ 249.00MHz	N/A	>= 1.2 dB	29.5 dB
1,2	DH	OK	28.5 dB @ 248.50MHz	N/A	>= 1.4 dB	27.1 dB
7,8	RH	OK	29.6 dB @ 244.50MHz	N/A	>= 1.8 dB	27.8 dB
3,6	RH	OK	28.5 dB @ 237.00MHz	N/A	>= 2.5 dB	26.0 dB
5,4	RH	OK	32.2 dB @ 246.00MHz	N/A	>= 1.5 dB	30.7 dB
1,2	RH	OK	31.2 dB @ 248.50MHz	N/A	>= 1.4 dB	29.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.6 dB @ 239.00MHz	N/A	>= 13.6 dB	14.0 dB
3,6	DH	OK	25.5 dB @ 243.50MHz	N/A	>= 13.4 dB	12.1 dB
5,4	DH	OK	28.9 dB @ 242.00MHz	N/A	>= 13.5 dB	15.4 dB
1,2	DH	OK	34.8 dB @ 246.50MHz	N/A	>= 13.3 dB	21.5 dB
7,8	RH	OK	29.5 dB @ 250.00MHz	N/A	>= 13.2 dB	16.3 dB
3,6	RH	OK	24.3 dB @ 243.50MHz	N/A	>= 13.4 dB	10.9 dB
5,4	RH	OK	29.1 dB @ 245.00MHz	N/A	>= 13.4 dB	15.7 dB
1,2	RH	OK	35.2 dB @ 246.00MHz	N/A	>= 13.3 dB	21.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

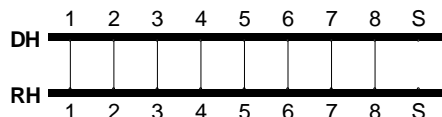
ID cavo 1: 0047  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:38:43  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	40.0m	41.1m	42.0m	40.0m	< 90.0m	OK
Ritardo di propag.	200.1ns	205.4ns	209.6ns	200.3ns	< 510.0ns	OK
Diff. t. ritardo	9.5ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	98.9 Ohm	99.0 Ohm	98.0 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.0 Ohm	9.3 Ohm	11.2 Ohm	9.1 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.7pF/m	48.2pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	7.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 244.00MHz	N/A	> 35.5 dB	6.0 dB
7,8-5,4	DH	OK	49.6 dB @ 225.00MHz	N/A	> 36.1 dB	13.5 dB
7,8-1,2	DH	OK	57.6 dB @ 156.50MHz	N/A	> 38.6 dB	19.0 dB
3,6-5,4	DH	OK	53.7 dB @ 222.50MHz	N/A	> 36.1 dB	17.6 dB
3,6-1,2	DH	OK	45.2 dB @ 217.00MHz	N/A	> 36.3 dB	8.9 dB
5,4-1,2	DH	OK	48.4 dB @ 202.00MHz	N/A	> 36.8 dB	11.6 dB
7,8-3,6	RH	OK	46.8 dB @ 227.50MHz	N/A	> 36.0 dB	10.8 dB
7,8-5,4	RH	OK	46.5 dB @ 226.00MHz	N/A	> 36.0 dB	10.5 dB
7,8-1,2	RH	OK	51.5 dB @ 219.00MHz	N/A	> 36.3 dB	15.2 dB
3,6-5,4	RH	OK	48.3 dB @ 230.00MHz	N/A	> 35.9 dB	12.4 dB
3,6-1,2	RH	OK	46.0 dB @ 231.50MHz	N/A	> 35.9 dB	10.1 dB
5,4-1,2	RH	OK	48.6 dB @ 247.50MHz	N/A	> 35.4 dB	13.2 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.4 dB @ 228.00MHz	N/A	> 10.4 dB	7.0 dB
3,6	DH	OK	16.6 dB @ 225.50MHz	N/A	> 10.5 dB	6.1 dB
5,4	DH	OK	18.1 dB @ 233.50MHz	N/A	> 10.3 dB	7.8 dB
1,2	DH	OK	18.8 dB @ 222.50MHz	N/A	> 10.5 dB	8.3 dB
7,8	RH	OK	16.5 dB @ 233.50MHz	N/A	> 10.3 dB	6.2 dB
3,6	RH	OK	15.8 dB @ 233.00MHz	N/A	> 10.3 dB	5.5 dB
5,4	RH	OK	17.5 dB @ 233.00MHz	N/A	> 10.3 dB	7.2 dB
1,2	RH	OK	16.5 dB @ 222.00MHz	N/A	> 10.5 dB	6.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.1 dB @ 249.50MHz	N/A	< 31.1 dB	18.0 dB
3,6	OK	13.6 dB @ 245.00MHz	N/A	< 30.8 dB	17.2 dB
5,4	OK	13.6 dB @ 249.50MHz	N/A	< 31.1 dB	17.5 dB
1,2	OK	12.7 dB @ 248.00MHz	N/A	< 31.0 dB	18.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.8 dB @ 241.50MHz	N/A	>= 5.1 dB	23.7 dB
3,6	DH	OK	28.0 dB @ 241.50MHz	N/A	>= 5.1 dB	22.9 dB
5,4	DH	OK	36.9 dB @ 225.00MHz	N/A	>= 6.8 dB	30.1 dB
1,2	DH	OK	33.5 dB @ 220.00MHz	N/A	>= 7.3 dB	26.2 dB
7,8	RH	OK	34.0 dB @ 225.50MHz	N/A	>= 6.7 dB	27.3 dB
3,6	RH	OK	32.7 dB @ 231.50MHz	N/A	>= 6.1 dB	26.6 dB
5,4	RH	OK	33.5 dB @ 238.50MHz	N/A	>= 5.4 dB	28.1 dB
1,2	RH	OK	34.1 dB @ 231.50MHz	N/A	>= 6.1 dB	28.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0047  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:38:43  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.3 dB @ 215.00MHz	N/A	> 17.5 dB	18.8 dB
7,8-5,4	DH	OK	40.9 dB @ 247.00MHz	N/A	> 16.3 dB	24.6 dB
7,8-1,2	DH	OK	42.3 dB @ 249.00MHz	N/A	> 16.2 dB	26.1 dB
3,6-7,8	DH	OK	37.7 dB @ 227.00MHz	N/A	> 17.0 dB	20.7 dB
3,6-5,4	DH	OK	32.4 dB @ 249.50MHz	N/A	> 16.2 dB	16.2 dB
3,6-1,2	DH	OK	39.6 dB @ 174.50MHz	N/A	> 19.3 dB	20.3 dB
5,4-7,8	DH	OK	40.7 dB @ 249.50MHz	N/A	> 16.2 dB	24.5 dB
5,4-3,6	DH	OK	32.5 dB @ 242.00MHz	N/A	> 16.5 dB	16.0 dB
5,4-1,2	DH	OK	38.6 dB @ 216.50MHz	N/A	> 17.5 dB	21.1 dB
1,2-7,8	DH	OK	40.9 dB @ 249.50MHz	N/A	> 16.2 dB	24.7 dB
1,2-3,6	DH	OK	38.7 dB @ 184.00MHz	N/A	> 18.9 dB	19.8 dB
1,2-5,4	DH	OK	38.0 dB @ 216.00MHz	N/A	> 17.5 dB	20.5 dB
7,8-3,6	RH	OK	36.5 dB @ 214.00MHz	N/A	> 17.6 dB	18.9 dB
7,8-5,4	RH	OK	41.4 dB @ 247.00MHz	N/A	> 16.3 dB	25.1 dB
7,8-1,2	RH	OK	41.9 dB @ 249.50MHz	N/A	> 16.2 dB	25.7 dB
3,6-7,8	RH	OK	37.3 dB @ 222.50MHz	N/A	> 17.2 dB	20.1 dB
3,6-5,4	RH	OK	32.6 dB @ 232.50MHz	N/A	> 16.8 dB	15.8 dB
3,6-1,2	RH	OK	39.0 dB @ 174.50MHz	N/A	> 19.3 dB	19.7 dB
5,4-7,8	RH	OK	40.2 dB @ 249.50MHz	N/A	> 16.2 dB	24.0 dB
5,4-3,6	RH	OK	32.8 dB @ 246.50MHz	N/A	> 16.3 dB	16.5 dB
5,4-1,2	RH	OK	37.7 dB @ 213.00MHz	N/A	> 17.6 dB	20.1 dB
1,2-7,8	RH	OK	41.6 dB @ 248.50MHz	N/A	> 16.3 dB	25.3 dB
1,2-3,6	RH	OK	39.3 dB @ 183.50MHz	N/A	> 18.9 dB	20.4 dB
1,2-5,4	RH	OK	38.6 dB @ 217.50MHz	N/A	> 17.4 dB	21.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 241.50MHz	N/A	> 32.6 dB	8.7 dB
3,6	DH	OK	40.2 dB @ 250.00MHz	N/A	> 32.3 dB	7.9 dB
5,4	DH	OK	47.4 dB @ 225.00MHz	N/A	> 33.1 dB	14.3 dB
1,2	DH	OK	44.4 dB @ 217.00MHz	N/A	> 33.3 dB	11.1 dB
7,8	RH	OK	43.3 dB @ 227.00MHz	N/A	> 33.0 dB	10.3 dB
3,6	RH	OK	42.9 dB @ 227.50MHz	N/A	> 33.0 dB	9.9 dB
5,4	RH	OK	43.7 dB @ 250.00MHz	N/A	> 32.3 dB	11.4 dB
1,2	RH	OK	44.0 dB @ 231.50MHz	N/A	> 32.9 dB	11.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.5 dB @ 234.50MHz	N/A	>= 2.8 dB	25.7 dB
3,6	DH	OK	26.9 dB @ 245.00MHz	N/A	>= 1.7 dB	25.2 dB
5,4	DH	OK	34.7 dB @ 225.00MHz	N/A	>= 3.8 dB	30.9 dB
1,2	DH	OK	32.3 dB @ 250.00MHz	N/A	>= 1.1 dB	31.2 dB
7,8	RH	OK	30.7 dB @ 227.00MHz	N/A	>= 3.5 dB	27.2 dB
3,6	RH	OK	30.2 dB @ 230.00MHz	N/A	>= 3.2 dB	27.0 dB
5,4	RH	OK	30.5 dB @ 249.50MHz	N/A	>= 1.2 dB	29.3 dB
1,2	RH	OK	32.0 dB @ 245.00MHz	N/A	>= 1.7 dB	30.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.3 dB @ 249.50MHz	N/A	>= 13.2 dB	22.1 dB
3,6	DH	OK	31.4 dB @ 242.00MHz	N/A	>= 13.5 dB	17.9 dB
5,4	DH	OK	31.3 dB @ 249.50MHz	N/A	>= 13.2 dB	18.1 dB
1,2	DH	OK	36.3 dB @ 216.50MHz	N/A	>= 14.5 dB	21.8 dB
7,8	RH	OK	35.0 dB @ 218.50MHz	N/A	>= 14.4 dB	20.6 dB
3,6	RH	OK	31.2 dB @ 232.50MHz	N/A	>= 13.8 dB	17.4 dB
5,4	RH	OK	31.7 dB @ 246.50MHz	N/A	>= 13.3 dB	18.4 dB
1,2	RH	OK	36.7 dB @ 217.50MHz	N/A	>= 14.4 dB	22.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

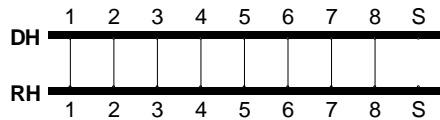
ID cavo 1: 0048  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:40:48  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.8m	41.0m	42.0m	39.7m	< 90.0m	OK
Ritardo di propag.	199.6ns	205.1ns	209.7ns	199.0ns	< 510.0ns	OK
Diff. t. ritardo	10.7ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.3 Ohm	95.9 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.4 Ohm	8.9 Ohm	10.8 Ohm	8.6 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	48.1pF/m	49.3pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	7.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.4 dB @ 238.00MHz	N/A	> 35.7 dB	4.7 dB
7,8-5,4	DH	OK	50.7 dB @ 240.00MHz	N/A	> 35.6 dB	15.1 dB
7,8-1,2	DH	OK	54.7 dB @ 240.00MHz	N/A	> 35.6 dB	19.1 dB
3,6-5,4	DH	OK	50.6 dB @ 232.50MHz	N/A	> 35.8 dB	14.8 dB
3,6-1,2	DH	OK	46.0 dB @ 247.00MHz	N/A	> 35.4 dB	10.6 dB
5,4-1,2	DH	OK	46.1 dB @ 246.50MHz	N/A	> 35.4 dB	10.7 dB
7,8-3,6	RH	OK	45.8 dB @ 243.00MHz	N/A	> 35.5 dB	10.3 dB
7,8-5,4	RH	OK	44.5 dB @ 247.50MHz	N/A	> 35.4 dB	9.1 dB
7,8-1,2	RH	OK	52.3 dB @ 224.00MHz	N/A	> 36.1 dB	16.2 dB
3,6-5,4	RH	OK	51.8 dB @ 226.00MHz	N/A	> 36.0 dB	15.8 dB
3,6-1,2	RH	OK	45.1 dB @ 229.50MHz	N/A	> 35.9 dB	9.2 dB
5,4-1,2	RH	OK	51.8 dB @ 216.00MHz	N/A	> 36.4 dB	15.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.6 dB @ 233.50MHz	N/A	> 10.3 dB	4.3 dB
3,6	DH	OK	16.0 dB @ 229.00MHz	N/A	> 10.4 dB	5.6 dB
5,4	DH	OK	16.8 dB @ 236.50MHz	N/A	> 10.3 dB	6.5 dB
1,2	DH	OK	14.6 dB @ 170.00MHz	N/A	> 11.7 dB	2.9 dB
7,8	RH	OK	15.1 dB @ 217.50MHz	N/A	> 10.6 dB	4.5 dB
3,6	RH	OK	14.9 dB @ 228.00MHz	N/A	> 10.4 dB	4.5 dB
5,4	RH	OK	17.2 dB @ 214.50MHz	N/A	> 10.7 dB	6.5 dB
1,2	RH	OK	14.7 dB @ 226.00MHz	N/A	> 10.4 dB	4.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.0 dB @ 245.50MHz	N/A	< 30.8 dB	17.8 dB
3,6	OK	13.4 dB @ 243.50MHz	N/A	< 30.7 dB	17.3 dB
5,4	OK	13.9 dB @ 239.00MHz	N/A	< 30.3 dB	16.4 dB
1,2	OK	12.6 dB @ 241.50MHz	N/A	< 30.5 dB	17.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.0 dB @ 238.50MHz	N/A	>= 5.4 dB	22.6 dB
3,6	DH	OK	27.3 dB @ 237.50MHz	N/A	>= 5.5 dB	21.8 dB
5,4	DH	OK	32.9 dB @ 246.50MHz	N/A	>= 4.5 dB	28.4 dB
1,2	DH	OK	33.9 dB @ 246.00MHz	N/A	>= 4.5 dB	29.4 dB
7,8	RH	OK	32.3 dB @ 247.50MHz	N/A	>= 4.4 dB	27.9 dB
3,6	RH	OK	32.5 dB @ 229.50MHz	N/A	>= 6.3 dB	26.2 dB
5,4	RH	OK	31.3 dB @ 247.50MHz	N/A	>= 4.4 dB	26.9 dB
1,2	RH	OK	33.3 dB @ 229.50MHz	N/A	>= 6.3 dB	27.0 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0048  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:40:48  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.1 dB @ 224.00MHz	N/A	> 17.2 dB	13.9 dB
7,8-5,4	DH	OK	41.0 dB @ 249.50MHz	N/A	> 16.2 dB	24.8 dB
7,8-1,2	DH	OK	43.8 dB @ 249.50MHz	N/A	> 16.2 dB	27.6 dB
3,6-7,8	DH	OK	31.8 dB @ 233.00MHz	N/A	> 16.8 dB	15.0 dB
3,6-5,4	DH	OK	31.0 dB @ 249.50MHz	N/A	> 16.2 dB	14.8 dB
3,6-1,2	DH	OK	37.8 dB @ 249.50MHz	N/A	> 16.2 dB	21.6 dB
5,4-7,8	DH	OK	41.2 dB @ 248.50MHz	N/A	> 16.3 dB	24.9 dB
5,4-3,6	DH	OK	30.9 dB @ 249.00MHz	N/A	> 16.2 dB	14.7 dB
5,4-1,2	DH	OK	38.6 dB @ 200.00MHz	N/A	> 18.1 dB	20.5 dB
1,2-7,8	DH	OK	41.7 dB @ 227.50MHz	N/A	> 17.0 dB	24.7 dB
1,2-3,6	DH	OK	39.4 dB @ 249.00MHz	N/A	> 16.2 dB	23.2 dB
1,2-5,4	DH	OK	37.3 dB @ 211.50MHz	N/A	> 17.7 dB	19.6 dB
7,8-3,6	RH	OK	31.4 dB @ 227.50MHz	N/A	> 17.0 dB	14.4 dB
7,8-5,4	RH	OK	41.8 dB @ 248.50MHz	N/A	> 16.3 dB	25.5 dB
7,8-1,2	RH	OK	43.3 dB @ 245.50MHz	N/A	> 16.4 dB	26.9 dB
3,6-7,8	RH	OK	31.1 dB @ 236.00MHz	N/A	> 16.7 dB	14.4 dB
3,6-5,4	RH	OK	31.2 dB @ 248.50MHz	N/A	> 16.3 dB	14.9 dB
3,6-1,2	RH	OK	37.2 dB @ 248.50MHz	N/A	> 16.3 dB	20.9 dB
5,4-7,8	RH	OK	40.5 dB @ 246.00MHz	N/A	> 16.3 dB	24.2 dB
5,4-3,6	RH	OK	30.7 dB @ 249.50MHz	N/A	> 16.2 dB	14.5 dB
5,4-1,2	RH	OK	37.8 dB @ 198.50MHz	N/A	> 18.2 dB	19.6 dB
1,2-7,8	RH	OK	41.9 dB @ 226.50MHz	N/A	> 17.1 dB	24.8 dB
1,2-3,6	RH	OK	40.0 dB @ 249.50MHz	N/A	> 16.2 dB	23.8 dB
1,2-5,4	RH	OK	38.1 dB @ 211.50MHz	N/A	> 17.7 dB	20.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.1 dB @ 238.00MHz	N/A	> 32.7 dB	7.4 dB
3,6	DH	OK	39.9 dB @ 238.00MHz	N/A	> 32.7 dB	7.2 dB
5,4	DH	OK	45.1 dB @ 242.50MHz	N/A	> 32.5 dB	12.6 dB
1,2	DH	OK	43.1 dB @ 247.00MHz	N/A	> 32.4 dB	10.7 dB
7,8	RH	OK	43.2 dB @ 247.50MHz	N/A	> 32.4 dB	10.8 dB
3,6	RH	OK	43.7 dB @ 244.00MHz	N/A	> 32.5 dB	11.2 dB
5,4	RH	OK	43.8 dB @ 247.50MHz	N/A	> 32.4 dB	11.4 dB
1,2	RH	OK	44.7 dB @ 229.50MHz	N/A	> 32.9 dB	11.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.7 dB @ 238.50MHz	N/A	>= 2.4 dB	25.3 dB
3,6	DH	OK	26.7 dB @ 237.50MHz	N/A	>= 2.5 dB	24.2 dB
5,4	DH	OK	32.0 dB @ 242.50MHz	N/A	>= 1.9 dB	30.1 dB
1,2	DH	OK	31.1 dB @ 246.50MHz	N/A	>= 1.5 dB	29.6 dB
7,8	RH	OK	30.8 dB @ 248.50MHz	N/A	>= 1.4 dB	29.4 dB
3,6	RH	OK	30.5 dB @ 243.50MHz	N/A	>= 1.8 dB	28.7 dB
5,4	RH	OK	30.6 dB @ 247.50MHz	N/A	>= 1.4 dB	29.2 dB
1,2	RH	OK	32.9 dB @ 229.50MHz	N/A	>= 3.3 dB	29.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.1 dB @ 233.00MHz	N/A	>= 13.8 dB	17.3 dB
3,6	DH	OK	28.6 dB @ 249.00MHz	N/A	>= 13.2 dB	15.4 dB
5,4	DH	OK	30.0 dB @ 249.50MHz	N/A	>= 13.2 dB	16.8 dB
1,2	DH	OK	35.8 dB @ 249.50MHz	N/A	>= 13.2 dB	22.6 dB
7,8	RH	OK	30.9 dB @ 227.50MHz	N/A	>= 14.0 dB	16.9 dB
3,6	RH	OK	28.4 dB @ 248.50MHz	N/A	>= 13.3 dB	15.1 dB
5,4	RH	OK	29.9 dB @ 249.50MHz	N/A	>= 13.2 dB	16.7 dB
1,2	RH	OK	36.5 dB @ 250.00MHz	N/A	>= 13.2 dB	23.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

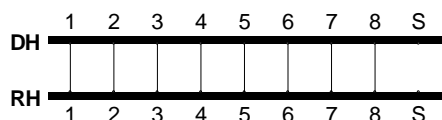
ID cavo 1: 0049  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:42:06  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.7m	51.0m	52.4m	49.5m	< 90.0m	OK
Ritardo di propag.	245.1ns	251.4ns	257.9ns	244.5ns	< 510.0ns	OK
Diff. t. ritardo	13.4ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.6 Ohm	98.7 Ohm	95.9 Ohm	101.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.3 Ohm	9.8 Ohm	11.2 Ohm	9.6 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.8pF/m	49.3pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	7.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.8 dB @ 242.00MHz	N/A	> 35.5 dB	5.3 dB
7,8-5,4	DH	OK	53.0 dB @ 237.50MHz	N/A	> 35.7 dB	17.3 dB
7,8-1,2	DH	OK	59.7 dB @ 229.50MHz	N/A	> 35.9 dB	23.8 dB
3,6-5,4	DH	OK	53.3 dB @ 223.50MHz	N/A	> 36.1 dB	17.2 dB
3,6-1,2	DH	OK	46.0 dB @ 224.50MHz	N/A	> 36.1 dB	9.9 dB
5,4-1,2	DH	OK	48.5 dB @ 246.00MHz	N/A	> 35.4 dB	13.1 dB
7,8-3,6	RH	OK	43.6 dB @ 248.50MHz	N/A	> 35.4 dB	8.2 dB
7,8-5,4	RH	OK	47.0 dB @ 235.50MHz	N/A	> 35.7 dB	11.3 dB
7,8-1,2	RH	OK	49.1 dB @ 250.00MHz	N/A	> 35.3 dB	13.8 dB
3,6-5,4	RH	OK	51.2 dB @ 234.00MHz	N/A	> 35.8 dB	15.4 dB
3,6-1,2	RH	OK	46.9 dB @ 218.50MHz	N/A	> 36.3 dB	10.6 dB
5,4-1,2	RH	OK	50.7 dB @ 250.00MHz	N/A	> 35.3 dB	15.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.7 dB @ 227.50MHz	N/A	> 10.4 dB	6.3 dB
3,6	DH	OK	17.0 dB @ 229.00MHz	N/A	> 10.4 dB	6.6 dB
5,4	DH	OK	17.5 dB @ 233.50MHz	N/A	> 10.3 dB	7.2 dB
1,2	DH	OK	16.4 dB @ 223.50MHz	N/A	> 10.5 dB	5.9 dB
7,8	RH	OK	15.1 dB @ 214.50MHz	N/A	> 10.7 dB	4.4 dB
3,6	RH	OK	16.1 dB @ 222.50MHz	N/A	> 10.5 dB	5.6 dB
5,4	RH	OK	18.1 dB @ 230.00MHz	N/A	> 10.4 dB	7.7 dB
1,2	RH	OK	15.0 dB @ 224.00MHz	N/A	> 10.5 dB	4.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.9 dB @ 237.00MHz	N/A	< 30.2 dB	14.3 dB
3,6	OK	16.9 dB @ 245.50MHz	N/A	< 30.8 dB	13.9 dB
5,4	OK	17.6 dB @ 247.50MHz	N/A	< 31.0 dB	13.4 dB
1,2	OK	17.0 dB @ 242.00MHz	N/A	< 30.6 dB	13.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.5 dB @ 242.50MHz	N/A	>= 4.9 dB	20.6 dB
3,6	DH	OK	24.5 dB @ 242.00MHz	N/A	>= 4.9 dB	19.6 dB
5,4	DH	OK	31.2 dB @ 246.00MHz	N/A	>= 4.5 dB	26.7 dB
1,2	DH	OK	30.5 dB @ 242.00MHz	N/A	>= 4.9 dB	25.6 dB
7,8	RH	OK	28.1 dB @ 248.50MHz	N/A	>= 4.4 dB	23.7 dB
3,6	RH	OK	26.9 dB @ 248.50MHz	N/A	>= 4.4 dB	22.5 dB
5,4	RH	OK	30.2 dB @ 241.50MHz	N/A	>= 5.1 dB	25.1 dB
1,2	RH	OK	32.7 dB @ 218.50MHz	N/A	>= 7.5 dB	25.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0049  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:42:06  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.5 dB @ 222.50MHz	N/A	> 17.2 dB	14.3 dB
7,8-5,4	DH	OK	41.6 dB @ 209.50MHz	N/A	> 17.7 dB	23.9 dB
7,8-1,2	DH	OK	40.0 dB @ 242.00MHz	N/A	> 16.5 dB	23.5 dB
3,6-7,8	DH	OK	33.3 dB @ 211.00MHz	N/A	> 17.7 dB	15.6 dB
3,6-5,4	DH	OK	31.5 dB @ 225.00MHz	N/A	> 17.1 dB	14.4 dB
3,6-1,2	DH	OK	38.5 dB @ 242.00MHz	N/A	> 16.5 dB	22.0 dB
5,4-7,8	DH	OK	42.0 dB @ 214.50MHz	N/A	> 17.5 dB	24.5 dB
5,4-3,6	DH	OK	32.8 dB @ 208.50MHz	N/A	> 17.8 dB	15.0 dB
5,4-1,2	DH	OK	37.7 dB @ 242.00MHz	N/A	> 16.5 dB	21.2 dB
1,2-7,8	DH	OK	38.2 dB @ 249.00MHz	N/A	> 16.2 dB	22.0 dB
1,2-3,6	DH	OK	36.1 dB @ 229.00MHz	N/A	> 17.0 dB	19.1 dB
1,2-5,4	DH	OK	36.1 dB @ 241.50MHz	N/A	> 16.5 dB	19.6 dB
7,8-3,6	RH	OK	32.3 dB @ 217.50MHz	N/A	> 17.4 dB	14.9 dB
7,8-5,4	RH	OK	42.6 dB @ 218.50MHz	N/A	> 17.4 dB	25.2 dB
7,8-1,2	RH	OK	40.6 dB @ 225.00MHz	N/A	> 17.1 dB	23.5 dB
3,6-7,8	RH	OK	32.6 dB @ 210.50MHz	N/A	> 17.7 dB	14.9 dB
3,6-5,4	RH	OK	31.7 dB @ 222.50MHz	N/A	> 17.2 dB	14.5 dB
3,6-1,2	RH	OK	37.7 dB @ 229.00MHz	N/A	> 17.0 dB	20.7 dB
5,4-7,8	RH	OK	40.6 dB @ 217.00MHz	N/A	> 17.4 dB	23.2 dB
5,4-3,6	RH	OK	32.3 dB @ 243.00MHz	N/A	> 16.5 dB	15.8 dB
5,4-1,2	RH	OK	37.3 dB @ 217.00MHz	N/A	> 17.4 dB	19.9 dB
1,2-7,8	RH	OK	38.1 dB @ 249.00MHz	N/A	> 16.2 dB	21.9 dB
1,2-3,6	RH	OK	37.2 dB @ 229.50MHz	N/A	> 16.9 dB	20.3 dB
1,2-5,4	RH	OK	36.8 dB @ 242.00MHz	N/A	> 16.5 dB	20.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.7 dB @ 242.00MHz	N/A	> 32.5 dB	8.2 dB
3,6	DH	OK	39.8 dB @ 242.00MHz	N/A	> 32.5 dB	7.3 dB
5,4	DH	OK	47.6 dB @ 246.00MHz	N/A	> 32.4 dB	15.2 dB
1,2	DH	OK	45.5 dB @ 224.50MHz	N/A	> 33.1 dB	12.4 dB
7,8	RH	OK	42.1 dB @ 248.50MHz	N/A	> 32.4 dB	9.7 dB
3,6	RH	OK	42.6 dB @ 248.50MHz	N/A	> 32.4 dB	10.2 dB
5,4	RH	OK	45.7 dB @ 235.50MHz	N/A	> 32.7 dB	13.0 dB
1,2	RH	OK	45.5 dB @ 209.00MHz	N/A	> 33.6 dB	11.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.4 dB @ 237.00MHz	N/A	>= 2.5 dB	22.9 dB
3,6	DH	OK	23.5 dB @ 242.00MHz	N/A	>= 1.9 dB	21.6 dB
5,4	DH	OK	30.3 dB @ 246.00MHz	N/A	>= 1.5 dB	28.8 dB
1,2	DH	OK	28.8 dB @ 242.00MHz	N/A	>= 1.9 dB	26.9 dB
7,8	RH	OK	26.6 dB @ 248.50MHz	N/A	>= 1.4 dB	25.2 dB
3,6	RH	OK	25.9 dB @ 248.50MHz	N/A	>= 1.4 dB	24.5 dB
5,4	RH	OK	28.7 dB @ 241.50MHz	N/A	>= 2.1 dB	26.6 dB
1,2	RH	OK	30.0 dB @ 250.00MHz	N/A	>= 1.1 dB	28.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.1 dB @ 211.00MHz	N/A	>= 14.7 dB	17.4 dB
3,6	DH	OK	28.5 dB @ 222.50MHz	N/A	>= 14.2 dB	14.3 dB
5,4	DH	OK	30.0 dB @ 225.00MHz	N/A	>= 14.1 dB	15.9 dB
1,2	DH	OK	33.8 dB @ 242.00MHz	N/A	>= 13.5 dB	20.3 dB
7,8	RH	OK	31.4 dB @ 218.50MHz	N/A	>= 14.4 dB	17.0 dB
3,6	RH	OK	28.8 dB @ 222.50MHz	N/A	>= 14.2 dB	14.6 dB
5,4	RH	OK	30.6 dB @ 217.00MHz	N/A	>= 14.4 dB	16.2 dB
1,2	RH	OK	33.1 dB @ 242.00MHz	N/A	>= 13.5 dB	19.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

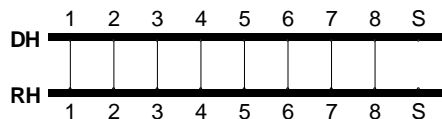
**OK**

ID cavo 1: 0050  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:43:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.7m	50.8m	52.2m	49.7m	< 90.0m	OK
Ritardo di propag.	245.3ns	250.3ns	256.8ns	245.2ns	< 510.0ns	OK
Diff. t. ritardo	11.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.8 Ohm	98.5 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.7 Ohm	10.2 Ohm	11.6 Ohm	9.8 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.8pF/m	47.9pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	6.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.4 dB @ 244.50MHz	N/A	> 35.5 dB	4.9 dB
7,8-5,4	DH	OK	52.8 dB @ 226.50MHz	N/A	> 36.0 dB	16.8 dB
7,8-1,2	DH	OK	59.8 dB @ 249.50MHz	N/A	> 35.3 dB	24.5 dB
3,6-5,4	DH	OK	51.4 dB @ 234.00MHz	N/A	> 35.8 dB	15.6 dB
3,6-1,2	DH	OK	45.9 dB @ 250.00MHz	N/A	> 35.3 dB	10.6 dB
5,4-1,2	DH	OK	48.0 dB @ 248.00MHz	N/A	> 35.4 dB	12.6 dB
7,8-3,6	RH	OK	44.3 dB @ 209.50MHz	N/A	> 36.6 dB	7.7 dB
7,8-5,4	RH	OK	46.5 dB @ 249.00MHz	N/A	> 35.3 dB	11.2 dB
7,8-1,2	RH	OK	51.8 dB @ 189.00MHz	N/A	> 37.3 dB	14.5 dB
3,6-5,4	RH	OK	51.5 dB @ 182.50MHz	N/A	> 37.6 dB	13.9 dB
3,6-1,2	RH	OK	44.8 dB @ 219.00MHz	N/A	> 36.3 dB	8.5 dB
5,4-1,2	RH	OK	51.4 dB @ 209.50MHz	N/A	> 36.6 dB	14.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.3 dB @ 231.50MHz	N/A	> 10.3 dB	7.0 dB
3,6	DH	OK	17.2 dB @ 227.00MHz	N/A	> 10.4 dB	6.8 dB
5,4	DH	OK	17.2 dB @ 230.50MHz	N/A	> 10.4 dB	6.8 dB
1,2	DH	OK	18.3 dB @ 221.00MHz	N/A	> 10.5 dB	7.8 dB
7,8	RH	OK	15.2 dB @ 219.50MHz	N/A	> 10.6 dB	4.6 dB
3,6	RH	OK	15.7 dB @ 222.50MHz	N/A	> 10.5 dB	5.2 dB
5,4	RH	OK	18.1 dB @ 234.00MHz	N/A	> 10.3 dB	7.8 dB
1,2	RH	OK	17.1 dB @ 175.50MHz	N/A	> 11.5 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	16.3 dB @ 244.00MHz	N/A	< 30.7 dB	14.4 dB
3,6	OK	17.1 dB @ 241.00MHz	N/A	< 30.5 dB	13.4 dB
5,4	OK	17.1 dB @ 248.50MHz	N/A	< 31.0 dB	13.9 dB
1,2	OK	15.8 dB @ 248.50MHz	N/A	< 31.0 dB	15.2 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.5 dB @ 244.00MHz	N/A	>= 4.8 dB	19.7 dB
3,6	DH	OK	23.5 dB @ 244.50MHz	N/A	>= 4.8 dB	18.7 dB
5,4	DH	OK	31.1 dB @ 248.50MHz	N/A	>= 4.4 dB	26.7 dB
1,2	DH	OK	30.7 dB @ 250.00MHz	N/A	>= 4.1 dB	26.6 dB
7,8	RH	OK	30.2 dB @ 209.50MHz	N/A	>= 8.5 dB	21.7 dB
3,6	RH	OK	29.3 dB @ 209.00MHz	N/A	>= 8.5 dB	20.8 dB
5,4	RH	OK	29.6 dB @ 248.50MHz	N/A	>= 4.4 dB	25.2 dB
1,2	RH	OK	30.3 dB @ 219.00MHz	N/A	>= 7.4 dB	22.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0050  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:43:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.4 dB @ 209.00MHz	N/A	> 17.8 dB	12.6 dB
7,8-5,4	DH	OK	42.2 dB @ 205.50MHz	N/A	> 17.9 dB	24.3 dB
7,8-1,2	DH	OK	53.3 dB @ 244.00MHz	N/A	> 16.4 dB	36.9 dB
3,6-7,8	DH	OK	30.5 dB @ 208.50MHz	N/A	> 17.8 dB	12.7 dB
3,6-5,4	DH	OK	35.0 dB @ 230.50MHz	N/A	> 16.9 dB	18.1 dB
3,6-1,2	DH	OK	39.1 dB @ 248.00MHz	N/A	> 16.3 dB	22.8 dB
5,4-7,8	DH	OK	42.1 dB @ 202.50MHz	N/A	> 18.0 dB	24.1 dB
5,4-3,6	DH	OK	35.2 dB @ 212.00MHz	N/A	> 17.6 dB	17.6 dB
5,4-1,2	DH	OK	40.3 dB @ 248.50MHz	N/A	> 16.3 dB	24.0 dB
1,2-7,8	DH	OK	48.6 dB @ 55.50MHz	N/A	> 29.3 dB	19.3 dB
1,2-3,6	DH	OK	39.5 dB @ 250.00MHz	N/A	> 16.2 dB	23.3 dB
1,2-5,4	DH	OK	38.0 dB @ 248.50MHz	N/A	> 16.3 dB	21.7 dB
7,8-3,6	RH	OK	31.0 dB @ 208.50MHz	N/A	> 17.8 dB	13.2 dB
7,8-5,4	RH	OK	42.8 dB @ 205.00MHz	N/A	> 17.9 dB	24.9 dB
7,8-1,2	RH	OK	52.7 dB @ 244.00MHz	N/A	> 16.4 dB	36.3 dB
3,6-7,8	RH	OK	29.8 dB @ 214.00MHz	N/A	> 17.6 dB	12.2 dB
3,6-5,4	RH	OK	34.9 dB @ 224.00MHz	N/A	> 17.2 dB	17.7 dB
3,6-1,2	RH	OK	38.4 dB @ 249.50MHz	N/A	> 16.2 dB	22.2 dB
5,4-7,8	RH	OK	41.4 dB @ 205.50MHz	N/A	> 17.9 dB	23.5 dB
5,4-3,6	RH	OK	35.2 dB @ 205.50MHz	N/A	> 17.9 dB	17.3 dB
5,4-1,2	RH	OK	39.0 dB @ 248.50MHz	N/A	> 16.3 dB	22.7 dB
1,2-7,8	RH	OK	48.7 dB @ 55.50MHz	N/A	> 29.3 dB	19.4 dB
1,2-3,6	RH	OK	40.3 dB @ 248.00MHz	N/A	> 16.3 dB	24.0 dB
1,2-5,4	RH	OK	39.3 dB @ 248.50MHz	N/A	> 16.3 dB	23.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.3 dB @ 244.50MHz	N/A	> 32.5 dB	7.8 dB
3,6	DH	OK	39.6 dB @ 248.50MHz	N/A	> 32.4 dB	7.2 dB
5,4	DH	OK	47.0 dB @ 248.00MHz	N/A	> 32.4 dB	14.6 dB
1,2	DH	OK	43.7 dB @ 250.00MHz	N/A	> 32.3 dB	11.4 dB
7,8	RH	OK	42.7 dB @ 209.50MHz	N/A	> 33.6 dB	9.1 dB
3,6	RH	OK	41.2 dB @ 209.50MHz	N/A	> 33.6 dB	7.6 dB
5,4	RH	OK	45.3 dB @ 249.00MHz	N/A	> 32.3 dB	13.0 dB
1,2	RH	OK	43.3 dB @ 209.50MHz	N/A	> 33.6 dB	9.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.4 dB @ 244.00MHz	N/A	>= 1.8 dB	22.6 dB
3,6	DH	OK	22.9 dB @ 249.00MHz	N/A	>= 1.2 dB	21.7 dB
5,4	DH	OK	30.1 dB @ 248.50MHz	N/A	>= 1.4 dB	28.7 dB
1,2	DH	OK	28.5 dB @ 248.50MHz	N/A	>= 1.4 dB	27.1 dB
7,8	RH	OK	28.6 dB @ 209.50MHz	N/A	>= 5.5 dB	23.1 dB
3,6	RH	OK	26.3 dB @ 209.00MHz	N/A	>= 5.5 dB	20.8 dB
5,4	RH	OK	28.4 dB @ 248.50MHz	N/A	>= 1.4 dB	27.0 dB
1,2	RH	OK	29.6 dB @ 209.50MHz	N/A	>= 5.5 dB	24.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.2 dB @ 208.50MHz	N/A	>= 14.8 dB	15.4 dB
3,6	DH	OK	29.1 dB @ 212.00MHz	N/A	>= 14.6 dB	14.5 dB
5,4	DH	OK	33.8 dB @ 182.00MHz	N/A	>= 16.0 dB	17.8 dB
1,2	DH	OK	36.7 dB @ 248.50MHz	N/A	>= 13.3 dB	23.4 dB
7,8	RH	OK	30.7 dB @ 208.50MHz	N/A	>= 14.8 dB	15.9 dB
3,6	RH	OK	28.5 dB @ 214.00MHz	N/A	>= 14.6 dB	13.9 dB
5,4	RH	OK	34.1 dB @ 205.50MHz	N/A	>= 14.9 dB	19.2 dB
1,2	RH	OK	36.8 dB @ 248.50MHz	N/A	>= 13.3 dB	23.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0051  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:44:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.6m	50.6m	52.0m	49.5m	< 90.0m	OK
Ritardo di propag.	244.6ns	249.6ns	256.0ns	244.3ns	< 510.0ns	OK
Diff. t. ritardo	11.7ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.7 Ohm	98.5 Ohm	98.0 Ohm	100.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.2 Ohm	9.7 Ohm	11.1 Ohm	9.5 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	48.0pF/m	48.2pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	5.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	39.0 dB @ 237.50MHz	N/A	> 35.7 dB	3.3 dB
7,8-5,4	DH	OK	53.1 dB @ 231.50MHz	N/A	> 35.9 dB	17.2 dB
7,8-1,2	DH	OK	59.0 dB @ 232.50MHz	N/A	> 35.8 dB	23.2 dB
3,6-5,4	DH	OK	52.7 dB @ 228.50MHz	N/A	> 36.0 dB	16.7 dB
3,6-1,2	DH	OK	44.6 dB @ 219.50MHz	N/A	> 36.2 dB	8.4 dB
5,4-1,2	DH	OK	48.1 dB @ 250.00MHz	N/A	> 35.3 dB	12.8 dB
7,8-3,6	RH	OK	46.7 dB @ 234.50MHz	N/A	> 35.8 dB	10.9 dB
7,8-5,4	RH	OK	47.3 dB @ 225.00MHz	N/A	> 36.1 dB	11.2 dB
7,8-1,2	RH	OK	52.5 dB @ 182.00MHz	N/A	> 37.6 dB	14.9 dB
3,6-5,4	RH	OK	50.0 dB @ 241.00MHz	N/A	> 35.6 dB	14.4 dB
3,6-1,2	RH	OK	47.0 dB @ 228.50MHz	N/A	> 36.0 dB	11.0 dB
5,4-1,2	RH	OK	49.3 dB @ 250.00MHz	N/A	> 35.3 dB	14.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.6 dB @ 224.00MHz	N/A	> 10.5 dB	6.1 dB
3,6	DH	OK	16.9 dB @ 232.00MHz	N/A	> 10.3 dB	6.6 dB
5,4	DH	OK	17.5 dB @ 236.50MHz	N/A	> 10.3 dB	7.2 dB
1,2	DH	OK	17.4 dB @ 224.00MHz	N/A	> 10.5 dB	6.9 dB
7,8	RH	OK	14.7 dB @ 228.00MHz	N/A	> 10.4 dB	4.3 dB
3,6	RH	OK	16.7 dB @ 164.00MHz	N/A	> 11.8 dB	4.9 dB
5,4	RH	OK	18.3 dB @ 247.00MHz	N/A	> 10.1 dB	8.2 dB
1,2	RH	OK	17.0 dB @ 223.50MHz	N/A	> 10.5 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	16.3 dB @ 250.00MHz	N/A	< 31.2 dB	14.9 dB
3,6	OK	17.0 dB @ 244.50MHz	N/A	< 30.7 dB	13.7 dB
5,4	OK	16.8 dB @ 237.50MHz	N/A	< 30.2 dB	13.4 dB
1,2	OK	16.0 dB @ 247.50MHz	N/A	< 31.0 dB	15.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	23.5 dB @ 237.50MHz	N/A	>= 5.5 dB	18.0 dB
3,6	DH	OK	22.4 dB @ 237.50MHz	N/A	>= 5.5 dB	16.9 dB
5,4	DH	OK	31.4 dB @ 250.00MHz	N/A	>= 4.1 dB	27.3 dB
1,2	DH	OK	30.2 dB @ 219.50MHz	N/A	>= 7.3 dB	22.9 dB
7,8	RH	OK	31.2 dB @ 225.00MHz	N/A	>= 6.8 dB	24.4 dB
3,6	RH	OK	30.1 dB @ 234.50MHz	N/A	>= 5.8 dB	24.3 dB
5,4	RH	OK	31.2 dB @ 225.00MHz	N/A	>= 6.8 dB	24.4 dB
1,2	RH	OK	32.2 dB @ 228.50MHz	N/A	>= 6.4 dB	25.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0051  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:44:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.0 dB @ 208.00MHz	N/A	> 17.8 dB	18.2 dB
7,8-5,4	DH	OK	46.1 dB @ 220.50MHz	N/A	> 17.3 dB	28.8 dB
7,8-1,2	DH	OK	42.5 dB @ 226.00MHz	N/A	> 17.1 dB	25.4 dB
3,6-7,8	DH	OK	35.7 dB @ 187.00MHz	N/A	> 18.7 dB	17.0 dB
3,6-5,4	DH	OK	32.7 dB @ 209.00MHz	N/A	> 17.8 dB	14.9 dB
3,6-1,2	DH	OK	32.8 dB @ 247.50MHz	N/A	> 16.3 dB	16.5 dB
5,4-7,8	DH	OK	45.8 dB @ 210.00MHz	N/A	> 17.7 dB	28.1 dB
5,4-3,6	DH	OK	32.6 dB @ 208.00MHz	N/A	> 17.8 dB	14.8 dB
5,4-1,2	DH	OK	38.4 dB @ 247.50MHz	N/A	> 16.3 dB	22.1 dB
1,2-7,8	DH	OK	42.8 dB @ 250.00MHz	N/A	> 16.2 dB	26.6 dB
1,2-3,6	DH	OK	33.1 dB @ 179.50MHz	N/A	> 19.1 dB	14.0 dB
1,2-5,4	DH	OK	37.5 dB @ 243.00MHz	N/A	> 16.5 dB	21.0 dB
7,8-3,6	RH	OK	36.5 dB @ 215.50MHz	N/A	> 17.5 dB	19.0 dB
7,8-5,4	RH	OK	46.2 dB @ 219.50MHz	N/A	> 17.3 dB	28.9 dB
7,8-1,2	RH	OK	42.2 dB @ 222.50MHz	N/A	> 17.2 dB	25.0 dB
3,6-7,8	RH	OK	34.7 dB @ 234.50MHz	N/A	> 16.8 dB	17.9 dB
3,6-5,4	RH	OK	32.5 dB @ 231.00MHz	N/A	> 16.9 dB	15.6 dB
3,6-1,2	RH	OK	31.9 dB @ 250.00MHz	N/A	> 16.2 dB	15.7 dB
5,4-7,8	RH	OK	45.0 dB @ 213.00MHz	N/A	> 17.6 dB	27.4 dB
5,4-3,6	RH	OK	32.4 dB @ 207.50MHz	N/A	> 17.8 dB	14.6 dB
5,4-1,2	RH	OK	37.9 dB @ 250.00MHz	N/A	> 16.2 dB	21.7 dB
1,2-7,8	RH	OK	43.1 dB @ 247.50MHz	N/A	> 16.3 dB	26.8 dB
1,2-3,6	RH	OK	34.1 dB @ 192.00MHz	N/A	> 18.5 dB	15.6 dB
1,2-5,4	RH	OK	38.6 dB @ 247.50MHz	N/A	> 16.3 dB	22.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	38.9 dB @ 237.50MHz	N/A	> 32.7 dB	6.2 dB
3,6	DH	OK	38.6 dB @ 237.50MHz	N/A	> 32.7 dB	5.9 dB
5,4	DH	OK	47.1 dB @ 250.00MHz	N/A	> 32.3 dB	14.8 dB
1,2	DH	OK	44.2 dB @ 248.00MHz	N/A	> 32.4 dB	11.8 dB
7,8	RH	OK	44.0 dB @ 188.00MHz	N/A	> 34.3 dB	9.7 dB
3,6	RH	OK	44.1 dB @ 213.50MHz	N/A	> 33.4 dB	10.7 dB
5,4	RH	OK	45.6 dB @ 249.50MHz	N/A	> 32.3 dB	13.3 dB
1,2	RH	OK	46.1 dB @ 228.50MHz	N/A	> 33.0 dB	13.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.4 dB @ 237.50MHz	N/A	>= 2.5 dB	20.9 dB
3,6	DH	OK	22.0 dB @ 237.50MHz	N/A	>= 2.5 dB	19.5 dB
5,4	DH	OK	30.4 dB @ 250.00MHz	N/A	>= 1.1 dB	29.3 dB
1,2	DH	OK	28.5 dB @ 247.50MHz	N/A	>= 1.4 dB	27.1 dB
7,8	RH	OK	28.6 dB @ 225.00MHz	N/A	>= 3.8 dB	24.8 dB
3,6	RH	OK	27.7 dB @ 234.50MHz	N/A	>= 2.8 dB	24.9 dB
5,4	RH	OK	29.0 dB @ 250.00MHz	N/A	>= 1.1 dB	27.9 dB
1,2	RH	OK	30.7 dB @ 249.00MHz	N/A	>= 1.2 dB	29.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.9 dB @ 225.00MHz	N/A	>= 14.1 dB	20.8 dB
3,6	DH	OK	28.9 dB @ 208.00MHz	N/A	>= 14.8 dB	14.1 dB
5,4	DH	OK	31.6 dB @ 237.50MHz	N/A	>= 13.7 dB	17.9 dB
1,2	DH	OK	31.5 dB @ 247.50MHz	N/A	>= 13.3 dB	18.2 dB
7,8	RH	OK	35.2 dB @ 215.50MHz	N/A	>= 14.5 dB	20.7 dB
3,6	RH	OK	28.5 dB @ 231.00MHz	N/A	>= 13.9 dB	14.6 dB
5,4	RH	OK	31.9 dB @ 242.00MHz	N/A	>= 13.5 dB	18.4 dB
1,2	RH	OK	33.4 dB @ 247.50MHz	N/A	>= 13.3 dB	20.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0052  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:45:32  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.4m	50.5m	51.9m	49.4m	< 90.0m	OK
Ritardo di propag.	244.0ns	249.0ns	255.4ns	243.8ns	< 510.0ns	OK
Diff. t. ritardo	11.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.8 Ohm	98.3 Ohm	100.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.7 Ohm	10.1 Ohm	11.5 Ohm	9.9 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.8pF/m	48.0pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	6.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.4 dB @ 233.00MHz	N/A	> 35.8 dB	4.6 dB
7,8-5,4	DH	OK	52.1 dB @ 228.00MHz	N/A	> 36.0 dB	16.1 dB
7,8-1,2	DH	OK	51.7 dB @ 232.00MHz	N/A	> 35.8 dB	15.9 dB
3,6-5,4	DH	OK	50.3 dB @ 223.00MHz	N/A	> 36.1 dB	14.2 dB
3,6-1,2	DH	OK	42.4 dB @ 250.00MHz	N/A	> 35.3 dB	7.1 dB
5,4-1,2	DH	OK	48.7 dB @ 199.50MHz	N/A	> 36.9 dB	11.8 dB
7,8-3,6	RH	OK	41.2 dB @ 232.50MHz	N/A	> 35.8 dB	5.4 dB
7,8-5,4	RH	OK	47.3 dB @ 244.00MHz	N/A	> 35.5 dB	11.8 dB
7,8-1,2	RH	OK	49.8 dB @ 247.50MHz	N/A	> 35.4 dB	14.4 dB
3,6-5,4	RH	OK	50.6 dB @ 170.50MHz	N/A	> 38.0 dB	12.6 dB
3,6-1,2	RH	OK	44.8 dB @ 226.50MHz	N/A	> 36.0 dB	8.8 dB
5,4-1,2	RH	OK	49.8 dB @ 212.50MHz	N/A	> 36.5 dB	13.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.5 dB @ 226.00MHz	N/A	> 10.4 dB	6.1 dB
3,6	DH	OK	16.1 dB @ 231.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	DH	OK	17.2 dB @ 239.00MHz	N/A	> 10.2 dB	7.0 dB
1,2	DH	OK	17.5 dB @ 222.50MHz	N/A	> 10.5 dB	7.0 dB
7,8	RH	OK	15.7 dB @ 229.00MHz	N/A	> 10.4 dB	5.3 dB
3,6	RH	OK	16.5 dB @ 225.00MHz	N/A	> 10.5 dB	6.0 dB
5,4	RH	OK	17.3 dB @ 227.50MHz	N/A	> 10.4 dB	6.9 dB
1,2	RH	OK	16.9 dB @ 230.50MHz	N/A	> 10.4 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	16.3 dB @ 235.50MHz	N/A	< 30.1 dB	13.8 dB
3,6	OK	17.0 dB @ 243.00MHz	N/A	< 30.6 dB	13.6 dB
5,4	OK	17.0 dB @ 249.00MHz	N/A	< 31.1 dB	14.1 dB
1,2	OK	16.1 dB @ 248.50MHz	N/A	< 31.0 dB	14.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.3 dB @ 233.00MHz	N/A	>= 5.9 dB	19.4 dB
3,6	DH	OK	24.1 dB @ 233.50MHz	N/A	>= 5.9 dB	18.2 dB
5,4	DH	OK	33.0 dB @ 248.50MHz	N/A	>= 4.4 dB	28.6 dB
1,2	DH	OK	27.3 dB @ 250.00MHz	N/A	>= 4.1 dB	23.2 dB
7,8	RH	OK	26.1 dB @ 232.50MHz	N/A	>= 5.9 dB	20.2 dB
3,6	RH	OK	24.6 dB @ 232.00MHz	N/A	>= 6.0 dB	18.6 dB
5,4	RH	OK	31.0 dB @ 244.00MHz	N/A	>= 4.8 dB	26.2 dB
1,2	RH	OK	29.6 dB @ 226.50MHz	N/A	>= 6.6 dB	23.0 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0052  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:45:32  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	29.5 dB @ 218.50MHz	N/A	> 17.4 dB	12.1 dB
7,8-5,4	DH	OK	39.3 dB @ 211.00MHz	N/A	> 17.7 dB	21.6 dB
7,8-1,2	DH	OK	42.2 dB @ 165.50MHz	N/A	> 19.8 dB	22.4 dB
3,6-7,8	DH	OK	28.9 dB @ 228.50MHz	N/A	> 17.0 dB	11.9 dB
3,6-5,4	DH	OK	33.9 dB @ 200.00MHz	N/A	> 18.1 dB	15.8 dB
3,6-1,2	DH	OK	36.1 dB @ 248.50MHz	N/A	> 16.3 dB	19.8 dB
5,4-7,8	DH	OK	39.2 dB @ 214.50MHz	N/A	> 17.5 dB	21.7 dB
5,4-3,6	DH	OK	33.3 dB @ 218.50MHz	N/A	> 17.4 dB	15.9 dB
5,4-1,2	DH	OK	37.4 dB @ 248.50MHz	N/A	> 16.3 dB	21.1 dB
1,2-7,8	DH	OK	42.1 dB @ 147.00MHz	N/A	> 20.8 dB	21.3 dB
1,2-3,6	DH	OK	32.4 dB @ 243.00MHz	N/A	> 16.5 dB	15.9 dB
1,2-5,4	DH	OK	36.9 dB @ 249.00MHz	N/A	> 16.2 dB	20.7 dB
7,8-3,6	RH	OK	29.9 dB @ 207.00MHz	N/A	> 17.8 dB	12.1 dB
7,8-5,4	RH	OK	39.9 dB @ 212.00MHz	N/A	> 17.6 dB	22.3 dB
7,8-1,2	RH	OK	41.8 dB @ 165.50MHz	N/A	> 19.8 dB	22.0 dB
3,6-7,8	RH	OK	28.3 dB @ 232.00MHz	N/A	> 16.9 dB	11.4 dB
3,6-5,4	RH	OK	33.6 dB @ 178.50MHz	N/A	> 19.1 dB	14.5 dB
3,6-1,2	RH	OK	34.6 dB @ 243.00MHz	N/A	> 16.5 dB	18.1 dB
5,4-7,8	RH	OK	38.6 dB @ 211.00MHz	N/A	> 17.7 dB	20.9 dB
5,4-3,6	RH	OK	33.3 dB @ 221.00MHz	N/A	> 17.3 dB	16.0 dB
5,4-1,2	RH	OK	36.4 dB @ 249.00MHz	N/A	> 16.2 dB	20.2 dB
1,2-7,8	RH	OK	42.4 dB @ 147.00MHz	N/A	> 20.8 dB	21.6 dB
1,2-3,6	RH	OK	33.7 dB @ 248.50MHz	N/A	> 16.3 dB	17.4 dB
1,2-5,4	RH	OK	37.9 dB @ 248.50MHz	N/A	> 16.3 dB	21.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.9 dB @ 233.00MHz	N/A	> 32.8 dB	7.1 dB
3,6	DH	OK	39.3 dB @ 233.00MHz	N/A	> 32.8 dB	6.5 dB
5,4	DH	OK	47.0 dB @ 199.50MHz	N/A	> 33.9 dB	13.1 dB
1,2	DH	OK	41.5 dB @ 250.00MHz	N/A	> 32.3 dB	9.2 dB
7,8	RH	OK	40.3 dB @ 232.50MHz	N/A	> 32.8 dB	7.5 dB
3,6	RH	OK	40.7 dB @ 232.50MHz	N/A	> 32.8 dB	7.9 dB
5,4	RH	OK	45.1 dB @ 212.50MHz	N/A	> 33.5 dB	11.6 dB
1,2	RH	OK	43.6 dB @ 226.50MHz	N/A	> 33.0 dB	10.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.8 dB @ 233.00MHz	N/A	>= 2.9 dB	21.9 dB
3,6	DH	OK	22.9 dB @ 233.50MHz	N/A	>= 2.9 dB	20.0 dB
5,4	DH	OK	31.1 dB @ 235.50MHz	N/A	>= 2.6 dB	28.5 dB
1,2	DH	OK	26.4 dB @ 250.00MHz	N/A	>= 1.1 dB	25.3 dB
7,8	RH	OK	25.1 dB @ 246.50MHz	N/A	>= 1.5 dB	23.6 dB
3,6	RH	OK	24.2 dB @ 232.00MHz	N/A	>= 3.0 dB	21.2 dB
5,4	RH	OK	29.5 dB @ 244.00MHz	N/A	>= 1.8 dB	27.7 dB
1,2	RH	OK	28.2 dB @ 248.50MHz	N/A	>= 1.4 dB	26.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.6 dB @ 228.50MHz	N/A	>= 14.0 dB	14.6 dB
3,6	DH	OK	27.0 dB @ 218.50MHz	N/A	>= 14.4 dB	12.6 dB
5,4	DH	OK	32.7 dB @ 178.50MHz	N/A	>= 16.1 dB	16.6 dB
1,2	DH	OK	33.5 dB @ 248.50MHz	N/A	>= 13.3 dB	20.2 dB
7,8	RH	OK	29.3 dB @ 215.00MHz	N/A	>= 14.5 dB	14.8 dB
3,6	RH	OK	26.9 dB @ 232.00MHz	N/A	>= 13.9 dB	13.0 dB
5,4	RH	OK	31.7 dB @ 221.50MHz	N/A	>= 14.3 dB	17.4 dB
1,2	RH	OK	32.1 dB @ 248.50MHz	N/A	>= 13.3 dB	18.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

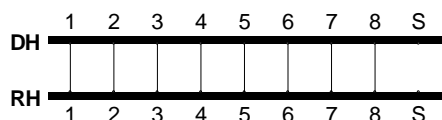
ID cavo 1: 0053  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:46:36  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	48.8m	49.9m	51.3m	48.8m	< 90.0m	OK
Ritardo di propag.	241.2ns	246.0ns	252.6ns	241.0ns	< 510.0ns	OK
Diff. t. ritardo	11.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.0 Ohm	98.8 Ohm	98.3 Ohm	100.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.2 Ohm	10.0 Ohm	11.2 Ohm	9.6 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.7pF/m	48.0pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	5.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	39.2 dB @ 239.00MHz	N/A	> 35.6 dB	3.6 dB
7,8-5,4	DH	OK	50.9 dB @ 232.50MHz	N/A	> 35.8 dB	15.1 dB
7,8-1,2	DH	OK	61.1 dB @ 233.00MHz	N/A	> 35.8 dB	25.3 dB
3,6-5,4	DH	OK	50.6 dB @ 234.00MHz	N/A	> 35.8 dB	14.8 dB
3,6-1,2	DH	OK	41.9 dB @ 224.00MHz	N/A	> 36.1 dB	5.8 dB
5,4-1,2	DH	OK	48.8 dB @ 202.00MHz	N/A	> 36.8 dB	12.0 dB
7,8-3,6	RH	OK	42.7 dB @ 244.50MHz	N/A	> 35.5 dB	7.2 dB
7,8-5,4	RH	OK	45.6 dB @ 242.50MHz	N/A	> 35.5 dB	10.1 dB
7,8-1,2	RH	OK	54.0 dB @ 176.50MHz	N/A	> 37.8 dB	16.2 dB
3,6-5,4	RH	OK	50.3 dB @ 249.50MHz	N/A	> 35.3 dB	15.0 dB
3,6-1,2	RH	OK	44.0 dB @ 242.00MHz	N/A	> 35.5 dB	8.5 dB
5,4-1,2	RH	OK	53.4 dB @ 138.00MHz	N/A	> 39.5 dB	13.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.5 dB @ 222.50MHz	N/A	> 10.5 dB	6.0 dB
3,6	DH	OK	16.7 dB @ 229.00MHz	N/A	> 10.4 dB	6.3 dB
5,4	DH	OK	17.7 dB @ 236.00MHz	N/A	> 10.3 dB	7.4 dB
1,2	DH	OK	18.5 dB @ 229.50MHz	N/A	> 10.4 dB	8.1 dB
7,8	RH	OK	13.8 dB @ 209.50MHz	N/A	> 10.8 dB	3.0 dB
3,6	RH	OK	15.6 dB @ 175.00MHz	N/A	> 11.6 dB	4.0 dB
5,4	RH	OK	18.1 dB @ 230.00MHz	N/A	> 10.4 dB	7.7 dB
1,2	RH	OK	16.8 dB @ 226.50MHz	N/A	> 10.4 dB	6.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.8 dB @ 234.50MHz	N/A	< 30.0 dB	14.2 dB
3,6	OK	16.7 dB @ 250.00MHz	N/A	< 31.2 dB	14.5 dB
5,4	OK	17.3 dB @ 241.00MHz	N/A	< 30.5 dB	13.2 dB
1,2	OK	15.6 dB @ 238.00MHz	N/A	< 30.3 dB	14.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.2 dB @ 239.00MHz	N/A	>= 5.3 dB	18.9 dB
3,6	DH	OK	23.0 dB @ 239.00MHz	N/A	>= 5.3 dB	17.7 dB
5,4	DH	OK	32.2 dB @ 249.50MHz	N/A	>= 4.2 dB	28.0 dB
1,2	DH	OK	27.4 dB @ 224.00MHz	N/A	>= 6.9 dB	20.5 dB
7,8	RH	OK	27.2 dB @ 244.50MHz	N/A	>= 4.8 dB	22.4 dB
3,6	RH	OK	26.6 dB @ 244.50MHz	N/A	>= 4.8 dB	21.8 dB
5,4	RH	OK	29.6 dB @ 237.50MHz	N/A	>= 5.5 dB	24.1 dB
1,2	RH	OK	29.1 dB @ 242.00MHz	N/A	>= 4.9 dB	24.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0053  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:46:36  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.9 dB @ 216.50MHz	N/A	> 17.5 dB	15.4 dB
7,8-5,4	DH	OK	41.5 dB @ 216.50MHz	N/A	> 17.5 dB	24.0 dB
7,8-1,2	DH	OK	44.9 dB @ 159.50MHz	N/A	> 20.1 dB	24.8 dB
3,6-7,8	DH	OK	35.0 dB @ 216.50MHz	N/A	> 17.5 dB	17.5 dB
3,6-5,4	DH	OK	33.2 dB @ 216.00MHz	N/A	> 17.5 dB	15.7 dB
3,6-1,2	DH	OK	30.0 dB @ 226.50MHz	N/A	> 17.1 dB	12.9 dB
5,4-7,8	DH	OK	39.9 dB @ 216.50MHz	N/A	> 17.5 dB	22.4 dB
5,4-3,6	DH	OK	32.9 dB @ 226.00MHz	N/A	> 17.1 dB	15.8 dB
5,4-1,2	DH	OK	35.9 dB @ 247.50MHz	N/A	> 16.3 dB	19.6 dB
1,2-7,8	DH	OK	44.8 dB @ 250.00MHz	N/A	> 16.2 dB	28.6 dB
1,2-3,6	DH	OK	29.9 dB @ 216.50MHz	N/A	> 17.5 dB	12.4 dB
1,2-5,4	DH	OK	34.2 dB @ 249.50MHz	N/A	> 16.2 dB	18.0 dB
7,8-3,6	RH	OK	33.3 dB @ 216.50MHz	N/A	> 17.5 dB	15.8 dB
7,8-5,4	RH	OK	41.7 dB @ 216.50MHz	N/A	> 17.5 dB	24.2 dB
7,8-1,2	RH	OK	44.7 dB @ 157.50MHz	N/A	> 20.2 dB	24.5 dB
3,6-7,8	RH	OK	34.5 dB @ 212.50MHz	N/A	> 17.6 dB	16.9 dB
3,6-5,4	RH	OK	33.6 dB @ 216.50MHz	N/A	> 17.5 dB	16.1 dB
3,6-1,2	RH	OK	29.2 dB @ 226.50MHz	N/A	> 17.1 dB	12.1 dB
5,4-7,8	RH	OK	39.1 dB @ 216.00MHz	N/A	> 17.5 dB	21.6 dB
5,4-3,6	RH	OK	33.1 dB @ 216.00MHz	N/A	> 17.5 dB	15.6 dB
5,4-1,2	RH	OK	34.5 dB @ 249.50MHz	N/A	> 16.2 dB	18.3 dB
1,2-7,8	RH	OK	45.2 dB @ 247.50MHz	N/A	> 16.3 dB	28.9 dB
1,2-3,6	RH	OK	31.0 dB @ 194.50MHz	N/A	> 18.4 dB	12.6 dB
1,2-5,4	RH	OK	35.4 dB @ 249.00MHz	N/A	> 16.2 dB	19.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.0 dB @ 239.00MHz	N/A	> 32.6 dB	6.4 dB
3,6	DH	OK	38.1 dB @ 239.00MHz	N/A	> 32.6 dB	5.5 dB
5,4	DH	OK	47.2 dB @ 234.00MHz	N/A	> 32.8 dB	14.4 dB
1,2	DH	OK	41.6 dB @ 224.00MHz	N/A	> 33.1 dB	8.5 dB
7,8	RH	OK	40.9 dB @ 244.00MHz	N/A	> 32.5 dB	8.4 dB
3,6	RH	OK	40.7 dB @ 242.00MHz	N/A	> 32.5 dB	8.2 dB
5,4	RH	OK	44.5 dB @ 242.50MHz	N/A	> 32.5 dB	12.0 dB
1,2	RH	OK	43.5 dB @ 242.00MHz	N/A	> 32.5 dB	11.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.0 dB @ 239.00MHz	N/A	>= 2.3 dB	21.7 dB
3,6	DH	OK	21.9 dB @ 239.00MHz	N/A	>= 2.3 dB	19.6 dB
5,4	DH	OK	30.8 dB @ 234.00MHz	N/A	>= 2.8 dB	28.0 dB
1,2	DH	OK	27.1 dB @ 224.00MHz	N/A	>= 3.9 dB	23.2 dB
7,8	RH	OK	25.6 dB @ 243.50MHz	N/A	>= 1.8 dB	23.8 dB
3,6	RH	OK	24.6 dB @ 243.50MHz	N/A	>= 1.8 dB	22.8 dB
5,4	RH	OK	28.3 dB @ 241.00MHz	N/A	>= 2.1 dB	26.2 dB
1,2	RH	OK	28.6 dB @ 242.00MHz	N/A	>= 1.9 dB	26.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.4 dB @ 216.50MHz	N/A	>= 14.5 dB	18.9 dB
3,6	DH	OK	26.9 dB @ 216.50MHz	N/A	>= 14.5 dB	12.4 dB
5,4	DH	OK	31.0 dB @ 241.00MHz	N/A	>= 13.5 dB	17.5 dB
1,2	DH	OK	29.4 dB @ 226.50MHz	N/A	>= 14.1 dB	15.3 dB
7,8	RH	OK	32.4 dB @ 216.50MHz	N/A	>= 14.5 dB	17.9 dB
3,6	RH	OK	27.2 dB @ 212.50MHz	N/A	>= 14.6 dB	12.6 dB
5,4	RH	OK	30.8 dB @ 241.00MHz	N/A	>= 13.5 dB	17.3 dB
1,2	RH	OK	30.3 dB @ 178.50MHz	N/A	>= 16.1 dB	14.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0054  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:48:03  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.0m	50.1m	51.5m	49.0m	< 90.0m	OK
Ritardo di propag.	242.2ns	247.1ns	253.6ns	241.8ns	< 510.0ns	OK
Diff. t. ritardo	11.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.7 Ohm	98.7 Ohm	98.2 Ohm	100.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.6 Ohm	10.0 Ohm	11.3 Ohm	9.6 Ohm	< 20.0 Ohm	OK
Capacità	47.9pF/m	47.8pF/m	48.1pF/m	47.0pF/m	< 66.0pF/m	OK
Riserva	5.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	39.7 dB @ 249.00MHz	N/A	> 35.3 dB	4.4 dB
7,8-5,4	DH	OK	50.9 dB @ 232.00MHz	N/A	> 35.8 dB	15.1 dB
7,8-1,2	DH	OK	57.6 dB @ 232.50MHz	N/A	> 35.8 dB	21.8 dB
3,6-5,4	DH	OK	53.0 dB @ 224.50MHz	N/A	> 36.1 dB	16.9 dB
3,6-1,2	DH	OK	43.7 dB @ 248.50MHz	N/A	> 35.4 dB	8.3 dB
5,4-1,2	DH	OK	46.8 dB @ 249.50MHz	N/A	> 35.3 dB	11.5 dB
7,8-3,6	RH	OK	48.6 dB @ 167.00MHz	N/A	> 38.2 dB	10.4 dB
7,8-5,4	RH	OK	48.1 dB @ 232.00MHz	N/A	> 35.8 dB	12.3 dB
7,8-1,2	RH	OK	55.1 dB @ 177.50MHz	N/A	> 37.8 dB	17.3 dB
3,6-5,4	RH	OK	51.6 dB @ 227.00MHz	N/A	> 36.0 dB	15.6 dB
3,6-1,2	RH	OK	41.6 dB @ 201.50MHz	N/A	> 36.8 dB	4.8 dB
5,4-1,2	RH	OK	51.4 dB @ 206.00MHz	N/A	> 36.7 dB	14.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.7 dB @ 226.00MHz	N/A	> 10.4 dB	5.3 dB
3,6	DH	OK	17.3 dB @ 231.50MHz	N/A	> 10.3 dB	7.0 dB
5,4	DH	OK	17.3 dB @ 231.00MHz	N/A	> 10.4 dB	6.9 dB
1,2	DH	OK	18.9 dB @ 217.50MHz	N/A	> 10.6 dB	8.3 dB
7,8	RH	OK	16.9 dB @ 222.00MHz	N/A	> 10.5 dB	6.4 dB
3,6	RH	OK	15.9 dB @ 232.00MHz	N/A	> 10.3 dB	5.6 dB
5,4	RH	OK	17.6 dB @ 233.00MHz	N/A	> 10.3 dB	7.3 dB
1,2	RH	OK	17.1 dB @ 218.00MHz	N/A	> 10.6 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	16.5 dB @ 248.50MHz	N/A	< 31.0 dB	14.5 dB
3,6	OK	16.5 dB @ 243.50MHz	N/A	< 30.7 dB	14.2 dB
5,4	OK	16.7 dB @ 248.50MHz	N/A	< 31.0 dB	14.3 dB
1,2	OK	15.7 dB @ 247.00MHz	N/A	< 30.9 dB	15.2 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	23.3 dB @ 248.50MHz	N/A	>= 4.4 dB	18.9 dB
3,6	DH	OK	23.4 dB @ 248.50MHz	N/A	>= 4.4 dB	19.0 dB
5,4	DH	OK	30.6 dB @ 250.00MHz	N/A	>= 4.1 dB	26.5 dB
1,2	DH	OK	28.7 dB @ 248.00MHz	N/A	>= 4.4 dB	24.3 dB
7,8	RH	OK	32.5 dB @ 248.50MHz	N/A	>= 4.4 dB	28.1 dB
3,6	RH	OK	27.6 dB @ 201.50MHz	N/A	>= 9.3 dB	18.3 dB
5,4	RH	OK	31.9 dB @ 237.00MHz	N/A	>= 5.5 dB	26.4 dB
1,2	RH	OK	28.1 dB @ 201.00MHz	N/A	>= 9.4 dB	18.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0054  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:48:03  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	27.5 dB @ 225.50MHz	N/A	> 17.1 dB	10.4 dB
7,8-5,4	DH	OK	42.7 dB @ 248.00MHz	N/A	> 16.3 dB	26.4 dB
7,8-1,2	DH	OK	36.2 dB @ 247.00MHz	N/A	> 16.3 dB	19.9 dB
3,6-7,8	DH	OK	28.3 dB @ 248.50MHz	N/A	> 16.3 dB	12.0 dB
3,6-5,4	DH	OK	32.3 dB @ 203.00MHz	N/A	> 18.0 dB	14.3 dB
3,6-1,2	DH	OK	30.8 dB @ 158.00MHz	N/A	> 20.2 dB	10.6 dB
5,4-7,8	DH	OK	42.3 dB @ 248.50MHz	N/A	> 16.3 dB	26.0 dB
5,4-3,6	DH	OK	32.7 dB @ 219.00MHz	N/A	> 17.4 dB	15.3 dB
5,4-1,2	DH	OK	37.7 dB @ 247.00MHz	N/A	> 16.3 dB	21.4 dB
1,2-7,8	DH	OK	34.4 dB @ 248.50MHz	N/A	> 16.3 dB	18.1 dB
1,2-3,6	DH	OK	30.0 dB @ 156.50MHz	N/A	> 20.3 dB	9.7 dB
1,2-5,4	DH	OK	36.4 dB @ 248.50MHz	N/A	> 16.3 dB	20.1 dB
7,8-3,6	RH	OK	28.1 dB @ 224.50MHz	N/A	> 17.1 dB	11.0 dB
7,8-5,4	RH	OK	43.0 dB @ 248.50MHz	N/A	> 16.3 dB	26.7 dB
7,8-1,2	RH	OK	35.7 dB @ 248.50MHz	N/A	> 16.3 dB	19.4 dB
3,6-7,8	RH	OK	28.1 dB @ 243.50MHz	N/A	> 16.4 dB	11.7 dB
3,6-5,4	RH	OK	32.6 dB @ 203.00MHz	N/A	> 18.0 dB	14.6 dB
3,6-1,2	RH	OK	30.3 dB @ 156.50MHz	N/A	> 20.3 dB	10.0 dB
5,4-7,8	RH	OK	41.8 dB @ 250.00MHz	N/A	> 16.2 dB	25.6 dB
5,4-3,6	RH	OK	32.7 dB @ 203.00MHz	N/A	> 18.0 dB	14.7 dB
5,4-1,2	RH	OK	36.7 dB @ 248.50MHz	N/A	> 16.3 dB	20.4 dB
1,2-7,8	RH	OK	35.6 dB @ 247.00MHz	N/A	> 16.3 dB	19.3 dB
1,2-3,6	RH	OK	30.7 dB @ 156.50MHz	N/A	> 20.3 dB	10.4 dB
1,2-5,4	RH	OK	37.6 dB @ 247.00MHz	N/A	> 16.3 dB	21.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.6 dB @ 249.00MHz	N/A	> 32.3 dB	7.3 dB
3,6	DH	OK	38.2 dB @ 248.50MHz	N/A	> 32.4 dB	5.8 dB
5,4	DH	OK	46.0 dB @ 250.00MHz	N/A	> 32.3 dB	13.7 dB
1,2	DH	OK	42.2 dB @ 249.50MHz	N/A	> 32.3 dB	9.9 dB
7,8	RH	OK	45.9 dB @ 237.00MHz	N/A	> 32.7 dB	13.2 dB
3,6	RH	OK	41.0 dB @ 181.00MHz	N/A	> 34.6 dB	6.4 dB
5,4	RH	OK	46.4 dB @ 249.00MHz	N/A	> 32.3 dB	14.1 dB
1,2	RH	OK	41.1 dB @ 201.50MHz	N/A	> 33.8 dB	7.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.2 dB @ 248.50MHz	N/A	>= 1.4 dB	21.8 dB
3,6	DH	OK	21.8 dB @ 248.50MHz	N/A	>= 1.4 dB	20.4 dB
5,4	DH	OK	29.7 dB @ 250.00MHz	N/A	>= 1.1 dB	28.6 dB
1,2	DH	OK	27.1 dB @ 249.00MHz	N/A	>= 1.2 dB	25.9 dB
7,8	RH	OK	30.0 dB @ 238.50MHz	N/A	>= 2.4 dB	27.6 dB
3,6	RH	OK	27.4 dB @ 201.50MHz	N/A	>= 6.3 dB	21.1 dB
5,4	RH	OK	30.0 dB @ 248.50MHz	N/A	>= 1.4 dB	28.6 dB
1,2	RH	OK	27.6 dB @ 201.00MHz	N/A	>= 6.4 dB	21.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.2 dB @ 248.50MHz	N/A	>= 13.3 dB	13.9 dB
3,6	DH	OK	26.4 dB @ 225.50MHz	N/A	>= 14.1 dB	12.3 dB
5,4	DH	OK	31.2 dB @ 237.00MHz	N/A	>= 13.7 dB	17.5 dB
1,2	DH	OK	30.1 dB @ 158.00MHz	N/A	>= 17.2 dB	12.9 dB
7,8	RH	OK	27.4 dB @ 224.50MHz	N/A	>= 14.1 dB	13.3 dB
3,6	RH	OK	25.9 dB @ 243.50MHz	N/A	>= 13.4 dB	12.5 dB
5,4	RH	OK	31.4 dB @ 248.50MHz	N/A	>= 13.3 dB	18.1 dB
1,2	RH	OK	30.1 dB @ 156.50MHz	N/A	>= 17.3 dB	12.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

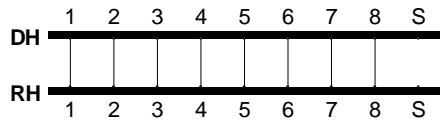
ID cavo 1: 0055  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:49:05  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	48.6m	49.9m	51.2m	48.6m	< 90.0m	OK
Ritardo di propag.	240.0ns	246.3ns	252.0ns	240.1ns	< 510.0ns	OK
Diff. t. ritardo	12.0ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.5 Ohm	99.1 Ohm	98.1 Ohm	101.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.3 Ohm	9.7 Ohm	11.2 Ohm	9.5 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.7pF/m	48.1pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	6.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.3 dB @ 250.00MHz	N/A	> 35.3 dB	6.0 dB
7,8-5,4	DH	OK	52.3 dB @ 222.00MHz	N/A	> 36.2 dB	16.1 dB
7,8-1,2	DH	OK	62.0 dB @ 226.00MHz	N/A	> 36.0 dB	26.0 dB
3,6-5,4	DH	OK	50.4 dB @ 228.50MHz	N/A	> 36.0 dB	14.4 dB
3,6-1,2	DH	OK	46.0 dB @ 250.00MHz	N/A	> 35.3 dB	10.7 dB
5,4-1,2	DH	OK	49.0 dB @ 243.00MHz	N/A	> 35.5 dB	13.5 dB
7,8-3,6	RH	OK	49.4 dB @ 222.50MHz	N/A	> 36.1 dB	13.3 dB
7,8-5,4	RH	OK	48.5 dB @ 244.00MHz	N/A	> 35.5 dB	13.0 dB
7,8-1,2	RH	OK	55.8 dB @ 203.00MHz	N/A	> 36.8 dB	19.0 dB
3,6-5,4	RH	OK	49.7 dB @ 241.00MHz	N/A	> 35.6 dB	14.1 dB
3,6-1,2	RH	OK	44.5 dB @ 234.00MHz	N/A	> 35.8 dB	8.7 dB
5,4-1,2	RH	OK	50.7 dB @ 250.00MHz	N/A	> 35.3 dB	15.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.1 dB @ 229.50MHz	N/A	> 10.4 dB	4.7 dB
3,6	DH	OK	16.6 dB @ 224.50MHz	N/A	> 10.5 dB	6.1 dB
5,4	DH	OK	18.2 dB @ 226.50MHz	N/A	> 10.4 dB	7.8 dB
1,2	DH	OK	18.5 dB @ 214.50MHz	N/A	> 10.7 dB	7.8 dB
7,8	RH	OK	14.3 dB @ 228.00MHz	N/A	> 10.4 dB	3.9 dB
3,6	RH	OK	15.5 dB @ 222.00MHz	N/A	> 10.5 dB	5.0 dB
5,4	RH	OK	19.4 dB @ 227.00MHz	N/A	> 10.4 dB	9.0 dB
1,2	RH	OK	16.3 dB @ 227.50MHz	N/A	> 10.4 dB	5.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.0 dB @ 248.50MHz	N/A	< 31.0 dB	14.0 dB
3,6	OK	17.1 dB @ 243.50MHz	N/A	< 30.7 dB	13.6 dB
5,4	OK	17.4 dB @ 250.00MHz	N/A	< 31.2 dB	13.8 dB
1,2	OK	15.9 dB @ 244.00MHz	N/A	< 30.7 dB	14.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.8 dB @ 248.50MHz	N/A	>= 4.4 dB	20.4 dB
3,6	DH	OK	24.4 dB @ 250.00MHz	N/A	>= 4.1 dB	20.3 dB
5,4	DH	OK	32.6 dB @ 243.00MHz	N/A	>= 4.9 dB	27.7 dB
1,2	DH	OK	30.4 dB @ 245.50MHz	N/A	>= 4.6 dB	25.8 dB
7,8	RH	OK	32.5 dB @ 245.00MHz	N/A	>= 4.7 dB	27.8 dB
3,6	RH	OK	27.9 dB @ 225.00MHz	N/A	>= 6.8 dB	21.1 dB
5,4	RH	OK	32.0 dB @ 244.50MHz	N/A	>= 4.8 dB	27.2 dB
1,2	RH	OK	29.3 dB @ 234.00MHz	N/A	>= 5.8 dB	23.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0055  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:49:05  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.0 dB @ 171.50MHz	N/A	> 19.5 dB	14.5 dB
7,8-5,4	DH	OK	41.6 dB @ 250.00MHz	N/A	> 16.2 dB	25.4 dB
7,8-1,2	DH	OK	51.9 dB @ 149.50MHz	N/A	> 20.7 dB	31.2 dB
3,6-7,8	DH	OK	34.4 dB @ 176.50MHz	N/A	> 19.2 dB	15.2 dB
3,6-5,4	DH	OK	33.0 dB @ 237.50MHz	N/A	> 16.7 dB	16.3 dB
3,6-1,2	DH	OK	41.5 dB @ 234.00MHz	N/A	> 16.8 dB	24.7 dB
5,4-7,8	DH	OK	40.9 dB @ 248.50MHz	N/A	> 16.3 dB	24.6 dB
5,4-3,6	DH	OK	33.4 dB @ 243.50MHz	N/A	> 16.4 dB	17.0 dB
5,4-1,2	DH	OK	37.3 dB @ 243.00MHz	N/A	> 16.5 dB	20.8 dB
1,2-7,8	DH	OK	48.1 dB @ 55.50MHz	N/A	> 29.3 dB	18.8 dB
1,2-3,6	DH	OK	41.0 dB @ 226.00MHz	N/A	> 17.1 dB	23.9 dB
1,2-5,4	DH	OK	35.5 dB @ 247.00MHz	N/A	> 16.3 dB	19.2 dB
7,8-3,6	RH	OK	34.5 dB @ 171.50MHz	N/A	> 19.5 dB	15.0 dB
7,8-5,4	RH	OK	42.7 dB @ 248.50MHz	N/A	> 16.3 dB	26.4 dB
7,8-1,2	RH	OK	51.6 dB @ 149.50MHz	N/A	> 20.7 dB	30.9 dB
3,6-7,8	RH	OK	33.8 dB @ 177.00MHz	N/A	> 19.2 dB	14.6 dB
3,6-5,4	RH	OK	32.7 dB @ 233.00MHz	N/A	> 16.8 dB	15.9 dB
3,6-1,2	RH	OK	40.2 dB @ 225.00MHz	N/A	> 17.1 dB	23.1 dB
5,4-7,8	RH	OK	40.5 dB @ 250.00MHz	N/A	> 16.2 dB	24.3 dB
5,4-3,6	RH	OK	33.5 dB @ 247.00MHz	N/A	> 16.3 dB	17.2 dB
5,4-1,2	RH	OK	35.7 dB @ 247.00MHz	N/A	> 16.3 dB	19.4 dB
1,2-7,8	RH	OK	48.2 dB @ 55.50MHz	N/A	> 29.3 dB	18.9 dB
1,2-3,6	RH	OK	42.7 dB @ 226.00MHz	N/A	> 17.1 dB	25.6 dB
1,2-5,4	RH	OK	36.8 dB @ 244.00MHz	N/A	> 16.4 dB	20.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 250.00MHz	N/A	> 32.3 dB	8.9 dB
3,6	DH	OK	39.8 dB @ 250.00MHz	N/A	> 32.3 dB	7.5 dB
5,4	DH	OK	47.2 dB @ 247.50MHz	N/A	> 32.4 dB	14.8 dB
1,2	DH	OK	44.5 dB @ 246.00MHz	N/A	> 32.4 dB	12.1 dB
7,8	RH	OK	46.0 dB @ 244.00MHz	N/A	> 32.5 dB	13.5 dB
3,6	RH	OK	42.8 dB @ 234.00MHz	N/A	> 32.8 dB	10.0 dB
5,4	RH	OK	45.5 dB @ 250.00MHz	N/A	> 32.3 dB	13.2 dB
1,2	RH	OK	44.3 dB @ 239.00MHz	N/A	> 32.6 dB	11.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.5 dB @ 248.50MHz	N/A	>= 1.4 dB	23.1 dB
3,6	DH	OK	22.9 dB @ 250.00MHz	N/A	>= 1.1 dB	21.8 dB
5,4	DH	OK	30.2 dB @ 247.00MHz	N/A	>= 1.5 dB	28.7 dB
1,2	DH	OK	28.8 dB @ 245.50MHz	N/A	>= 1.6 dB	27.2 dB
7,8	RH	OK	30.0 dB @ 245.00MHz	N/A	>= 1.7 dB	28.3 dB
3,6	RH	OK	26.3 dB @ 233.50MHz	N/A	>= 2.9 dB	23.4 dB
5,4	RH	OK	28.1 dB @ 250.00MHz	N/A	>= 1.1 dB	27.0 dB
1,2	RH	OK	29.1 dB @ 234.00MHz	N/A	>= 2.8 dB	26.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.3 dB @ 176.50MHz	N/A	>= 16.2 dB	18.1 dB
3,6	DH	OK	31.0 dB @ 226.00MHz	N/A	>= 14.1 dB	16.9 dB
5,4	DH	OK	31.1 dB @ 237.50MHz	N/A	>= 13.7 dB	17.4 dB
1,2	DH	OK	36.0 dB @ 244.00MHz	N/A	>= 13.4 dB	22.6 dB
7,8	RH	OK	34.3 dB @ 171.50MHz	N/A	>= 16.5 dB	17.8 dB
3,6	RH	OK	30.4 dB @ 225.00MHz	N/A	>= 14.1 dB	16.3 dB
5,4	RH	OK	31.0 dB @ 247.00MHz	N/A	>= 13.3 dB	17.7 dB
1,2	RH	OK	36.5 dB @ 244.00MHz	N/A	>= 13.4 dB	23.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0056  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:50:13  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	48.5m	49.8m	51.0m	48.5m	< 90.0m	OK
Ritardo di propag.	239.5ns	245.7ns	251.2ns	239.7ns	< 510.0ns	OK
Diff. t. ritardo	11.7ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.8 Ohm	98.0 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.5 Ohm	9.8 Ohm	11.2 Ohm	9.8 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.8pF/m	48.1pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	5.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.2 dB @ 241.50MHz	N/A	> 35.6 dB	4.6 dB
7,8-5,4	DH	OK	47.6 dB @ 213.00MHz	N/A	> 36.5 dB	11.1 dB
7,8-1,2	DH	OK	58.3 dB @ 218.50MHz	N/A	> 36.3 dB	22.0 dB
3,6-5,4	DH	OK	53.4 dB @ 229.00MHz	N/A	> 35.9 dB	17.5 dB
3,6-1,2	DH	OK	46.4 dB @ 244.50MHz	N/A	> 35.5 dB	10.9 dB
5,4-1,2	DH	OK	49.5 dB @ 249.00MHz	N/A	> 35.3 dB	14.2 dB
7,8-3,6	RH	OK	46.2 dB @ 218.50MHz	N/A	> 36.3 dB	9.9 dB
7,8-5,4	RH	OK	47.0 dB @ 237.50MHz	N/A	> 35.7 dB	11.3 dB
7,8-1,2	RH	OK	54.6 dB @ 155.00MHz	N/A	> 38.7 dB	15.9 dB
3,6-5,4	RH	OK	52.8 dB @ 233.50MHz	N/A	> 35.8 dB	17.0 dB
3,6-1,2	RH	OK	48.2 dB @ 239.00MHz	N/A	> 35.6 dB	12.6 dB
5,4-1,2	RH	OK	47.4 dB @ 249.00MHz	N/A	> 35.3 dB	12.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.5 dB @ 211.50MHz	N/A	> 10.7 dB	5.8 dB
3,6	DH	OK	17.8 dB @ 223.50MHz	N/A	> 10.5 dB	7.3 dB
5,4	DH	OK	18.4 dB @ 231.50MHz	N/A	> 10.3 dB	8.1 dB
1,2	DH	OK	17.3 dB @ 221.00MHz	N/A	> 10.5 dB	6.8 dB
7,8	RH	OK	15.5 dB @ 225.00MHz	N/A	> 10.5 dB	5.0 dB
3,6	RH	OK	16.0 dB @ 224.00MHz	N/A	> 10.5 dB	5.5 dB
5,4	RH	OK	18.3 dB @ 227.50MHz	N/A	> 10.4 dB	7.9 dB
1,2	RH	OK	15.6 dB @ 168.50MHz	N/A	> 11.7 dB	3.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	16.2 dB @ 243.00MHz	N/A	< 30.6 dB	14.4 dB
3,6	OK	17.1 dB @ 242.00MHz	N/A	< 30.6 dB	13.5 dB
5,4	OK	17.2 dB @ 243.50MHz	N/A	< 30.7 dB	13.5 dB
1,2	OK	16.2 dB @ 250.00MHz	N/A	< 31.2 dB	15.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.4 dB @ 241.00MHz	N/A	>= 5.1 dB	19.3 dB
3,6	DH	OK	23.4 dB @ 240.50MHz	N/A	>= 5.2 dB	18.2 dB
5,4	DH	OK	31.8 dB @ 225.50MHz	N/A	>= 6.7 dB	25.1 dB
1,2	DH	OK	30.6 dB @ 245.50MHz	N/A	>= 4.6 dB	26.0 dB
7,8	RH	OK	31.3 dB @ 235.50MHz	N/A	>= 5.6 dB	25.7 dB
3,6	RH	OK	30.0 dB @ 236.50MHz	N/A	>= 5.5 dB	24.5 dB
5,4	RH	OK	30.4 dB @ 237.00MHz	N/A	>= 5.5 dB	24.9 dB
1,2	RH	OK	31.5 dB @ 250.00MHz	N/A	>= 4.1 dB	27.4 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0056  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:50:13  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.9 dB @ 218.00MHz	N/A	> 17.4 dB	15.5 dB
7,8-5,4	DH	OK	39.0 dB @ 205.50MHz	N/A	> 17.9 dB	21.1 dB
7,8-1,2	DH	OK	43.3 dB @ 232.50MHz	N/A	> 16.8 dB	26.5 dB
3,6-7,8	DH	OK	32.3 dB @ 176.50MHz	N/A	> 19.2 dB	13.1 dB
3,6-5,4	DH	OK	32.1 dB @ 218.50MHz	N/A	> 17.4 dB	14.7 dB
3,6-1,2	DH	OK	40.5 dB @ 250.00MHz	N/A	> 16.2 dB	24.3 dB
5,4-7,8	DH	OK	38.2 dB @ 205.50MHz	N/A	> 17.9 dB	20.3 dB
5,4-3,6	DH	OK	32.5 dB @ 242.00MHz	N/A	> 16.5 dB	16.0 dB
5,4-1,2	DH	OK	38.7 dB @ 250.00MHz	N/A	> 16.2 dB	22.5 dB
1,2-7,8	DH	OK	41.7 dB @ 243.00MHz	N/A	> 16.5 dB	25.2 dB
1,2-3,6	DH	OK	38.5 dB @ 236.00MHz	N/A	> 16.7 dB	21.8 dB
1,2-5,4	DH	OK	38.4 dB @ 243.50MHz	N/A	> 16.4 dB	22.0 dB
7,8-3,6	RH	OK	33.8 dB @ 170.50MHz	N/A	> 19.5 dB	14.3 dB
7,8-5,4	RH	OK	39.2 dB @ 205.50MHz	N/A	> 17.9 dB	21.3 dB
7,8-1,2	RH	OK	42.9 dB @ 235.50MHz	N/A	> 16.7 dB	26.2 dB
3,6-7,8	RH	OK	31.8 dB @ 181.00MHz	N/A	> 19.0 dB	12.8 dB
3,6-5,4	RH	OK	32.2 dB @ 236.50MHz	N/A	> 16.7 dB	15.5 dB
3,6-1,2	RH	OK	40.1 dB @ 249.00MHz	N/A	> 16.2 dB	23.9 dB
5,4-7,8	RH	OK	38.0 dB @ 218.50MHz	N/A	> 17.4 dB	20.6 dB
5,4-3,6	RH	OK	32.7 dB @ 218.50MHz	N/A	> 17.4 dB	15.3 dB
5,4-1,2	RH	OK	38.1 dB @ 243.50MHz	N/A	> 16.4 dB	21.7 dB
1,2-7,8	RH	OK	42.0 dB @ 250.00MHz	N/A	> 16.2 dB	25.8 dB
1,2-3,6	RH	OK	39.9 dB @ 236.00MHz	N/A	> 16.7 dB	23.2 dB
1,2-5,4	RH	OK	39.0 dB @ 250.00MHz	N/A	> 16.2 dB	22.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.7 dB @ 241.50MHz	N/A	> 32.6 dB	7.1 dB
3,6	DH	OK	39.3 dB @ 241.50MHz	N/A	> 32.6 dB	6.7 dB
5,4	DH	OK	45.5 dB @ 250.00MHz	N/A	> 32.3 dB	13.2 dB
1,2	DH	OK	44.9 dB @ 244.50MHz	N/A	> 32.5 dB	12.4 dB
7,8	RH	OK	44.1 dB @ 237.00MHz	N/A	> 32.7 dB	11.4 dB
3,6	RH	OK	44.4 dB @ 236.50MHz	N/A	> 32.7 dB	11.7 dB
5,4	RH	OK	45.0 dB @ 248.00MHz	N/A	> 32.4 dB	12.6 dB
1,2	RH	OK	45.6 dB @ 249.00MHz	N/A	> 32.3 dB	13.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.9 dB @ 240.50MHz	N/A	>= 2.2 dB	21.7 dB
3,6	DH	OK	22.5 dB @ 241.50MHz	N/A	>= 2.1 dB	20.4 dB
5,4	DH	OK	29.0 dB @ 249.00MHz	N/A	>= 1.2 dB	27.8 dB
1,2	DH	OK	29.3 dB @ 245.50MHz	N/A	>= 1.6 dB	27.7 dB
7,8	RH	OK	28.7 dB @ 237.00MHz	N/A	>= 2.5 dB	26.2 dB
3,6	RH	OK	27.6 dB @ 236.50MHz	N/A	>= 2.5 dB	25.1 dB
5,4	RH	OK	28.3 dB @ 248.00MHz	N/A	>= 1.4 dB	26.9 dB
1,2	RH	OK	29.9 dB @ 249.00MHz	N/A	>= 1.2 dB	28.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.7 dB @ 176.50MHz	N/A	>= 16.2 dB	15.5 dB
3,6	DH	OK	29.8 dB @ 223.00MHz	N/A	>= 14.2 dB	15.6 dB
5,4	DH	OK	31.2 dB @ 218.50MHz	N/A	>= 14.4 dB	16.8 dB
1,2	DH	OK	35.7 dB @ 250.00MHz	N/A	>= 13.2 dB	22.5 dB
7,8	RH	OK	32.4 dB @ 205.50MHz	N/A	>= 14.9 dB	17.5 dB
3,6	RH	OK	29.8 dB @ 223.00MHz	N/A	>= 14.2 dB	15.6 dB
5,4	RH	OK	31.2 dB @ 243.50MHz	N/A	>= 13.4 dB	17.8 dB
1,2	RH	OK	35.8 dB @ 250.00MHz	N/A	>= 13.2 dB	22.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

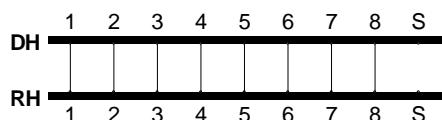
**OK**

ID cavo 1: 0057  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:51:28  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.4m	50.6m	51.8m	49.2m	< 90.0m	OK
Ritardo di propag.	243.9ns	249.3ns	255.1ns	243.1ns	< 510.0ns	OK
Diff. t. ritardo	12.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.3 Ohm	98.8 Ohm	97.9 Ohm	101.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.5 Ohm	10.2 Ohm	11.2 Ohm	9.8 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.8pF/m	48.2pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	8.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.1 dB @ 249.50MHz	N/A	> 35.3 dB	6.8 dB
7,8-5,4	DH	OK	46.4 dB @ 250.00MHz	N/A	> 35.3 dB	11.1 dB
7,8-1,2	DH	OK	57.7 dB @ 185.50MHz	N/A	> 37.4 dB	20.3 dB
3,6-5,4	DH	OK	51.3 dB @ 223.00MHz	N/A	> 36.1 dB	15.2 dB
3,6-1,2	DH	OK	47.3 dB @ 231.00MHz	N/A	> 35.9 dB	11.4 dB
5,4-1,2	DH	OK	47.0 dB @ 248.00MHz	N/A	> 35.4 dB	11.6 dB
7,8-3,6	RH	OK	45.0 dB @ 219.50MHz	N/A	> 36.2 dB	8.8 dB
7,8-5,4	RH	OK	47.0 dB @ 229.50MHz	N/A	> 35.9 dB	11.1 dB
7,8-1,2	RH	OK	52.8 dB @ 180.50MHz	N/A	> 37.6 dB	15.2 dB
3,6-5,4	RH	OK	52.0 dB @ 240.00MHz	N/A	> 35.6 dB	16.4 dB
3,6-1,2	RH	OK	45.7 dB @ 228.50MHz	N/A	> 36.0 dB	9.7 dB
5,4-1,2	RH	OK	50.4 dB @ 205.00MHz	N/A	> 36.7 dB	13.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.5 dB @ 227.00MHz	N/A	> 10.4 dB	6.1 dB
3,6	DH	OK	16.5 dB @ 222.50MHz	N/A	> 10.5 dB	6.0 dB
5,4	DH	OK	17.4 dB @ 230.00MHz	N/A	> 10.4 dB	7.0 dB
1,2	DH	OK	17.7 dB @ 223.50MHz	N/A	> 10.5 dB	7.2 dB
7,8	RH	OK	14.9 dB @ 226.50MHz	N/A	> 10.4 dB	4.5 dB
3,6	RH	OK	16.4 dB @ 228.00MHz	N/A	> 10.4 dB	6.0 dB
5,4	RH	OK	18.4 dB @ 224.00MHz	N/A	> 10.5 dB	7.9 dB
1,2	RH	OK	16.0 dB @ 157.00MHz	N/A	> 12.0 dB	4.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.7 dB @ 249.00MHz	N/A	< 31.1 dB	15.4 dB
3,6	OK	17.0 dB @ 236.00MHz	N/A	< 30.1 dB	13.1 dB
5,4	OK	16.7 dB @ 248.50MHz	N/A	< 31.0 dB	14.3 dB
1,2	OK	15.3 dB @ 245.00MHz	N/A	< 30.8 dB	15.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.6 dB @ 249.00MHz	N/A	>= 4.2 dB	22.4 dB
3,6	DH	OK	25.5 dB @ 236.00MHz	N/A	>= 5.6 dB	19.9 dB
5,4	DH	OK	29.7 dB @ 248.50MHz	N/A	>= 4.4 dB	25.3 dB
1,2	DH	OK	32.1 dB @ 248.00MHz	N/A	>= 4.4 dB	27.7 dB
7,8	RH	OK	30.5 dB @ 219.00MHz	N/A	>= 7.4 dB	23.1 dB
3,6	RH	OK	30.2 dB @ 219.50MHz	N/A	>= 7.3 dB	22.9 dB
5,4	RH	OK	31.9 dB @ 229.50MHz	N/A	>= 6.3 dB	25.6 dB
1,2	RH	OK	31.1 dB @ 224.00MHz	N/A	>= 6.9 dB	24.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0057  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:51:28  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	27.9 dB @ 223.00MHz	N/A	> 17.2 dB	10.7 dB
7,8-5,4	DH	OK	32.3 dB @ 223.00MHz	N/A	> 17.2 dB	15.1 dB
7,8-1,2	DH	OK	43.2 dB @ 146.50MHz	N/A	> 20.8 dB	22.4 dB
3,6-7,8	DH	OK	32.6 dB @ 231.50MHz	N/A	> 16.9 dB	15.7 dB
3,6-5,4	DH	OK	29.4 dB @ 223.00MHz	N/A	> 17.2 dB	12.2 dB
3,6-1,2	DH	OK	38.8 dB @ 229.00MHz	N/A	> 17.0 dB	21.8 dB
5,4-7,8	DH	OK	35.2 dB @ 223.00MHz	N/A	> 17.2 dB	18.0 dB
5,4-3,6	DH	OK	31.7 dB @ 223.00MHz	N/A	> 17.2 dB	14.5 dB
5,4-1,2	DH	OK	36.4 dB @ 223.00MHz	N/A	> 17.2 dB	19.2 dB
1,2-7,8	DH	OK	33.7 dB @ 223.00MHz	N/A	> 17.2 dB	16.5 dB
1,2-3,6	DH	OK	29.4 dB @ 223.00MHz	N/A	> 17.2 dB	12.2 dB
1,2-5,4	DH	OK	30.4 dB @ 223.00MHz	N/A	> 17.2 dB	13.2 dB
7,8-3,6	RH	OK	28.8 dB @ 223.00MHz	N/A	> 17.2 dB	11.6 dB
7,8-5,4	RH	OK	32.9 dB @ 223.00MHz	N/A	> 17.2 dB	15.7 dB
7,8-1,2	RH	OK	42.9 dB @ 146.50MHz	N/A	> 20.8 dB	22.1 dB
3,6-7,8	RH	OK	31.3 dB @ 236.00MHz	N/A	> 16.7 dB	14.6 dB
3,6-5,4	RH	OK	29.1 dB @ 223.00MHz	N/A	> 17.2 dB	11.9 dB
3,6-1,2	RH	OK	37.8 dB @ 230.00MHz	N/A	> 16.9 dB	20.9 dB
5,4-7,8	RH	OK	34.6 dB @ 223.00MHz	N/A	> 17.2 dB	17.4 dB
5,4-3,6	RH	OK	32.0 dB @ 223.00MHz	N/A	> 17.2 dB	14.8 dB
5,4-1,2	RH	OK	35.8 dB @ 223.00MHz	N/A	> 17.2 dB	18.6 dB
1,2-7,8	RH	OK	33.7 dB @ 223.00MHz	N/A	> 17.2 dB	16.5 dB
1,2-3,6	RH	OK	30.3 dB @ 223.00MHz	N/A	> 17.2 dB	13.1 dB
1,2-5,4	RH	OK	31.0 dB @ 223.00MHz	N/A	> 17.2 dB	13.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.8 dB @ 249.50MHz	N/A	> 32.3 dB	8.5 dB
3,6	DH	OK	41.3 dB @ 249.50MHz	N/A	> 32.3 dB	9.0 dB
5,4	DH	OK	43.5 dB @ 248.50MHz	N/A	> 32.4 dB	11.1 dB
1,2	DH	OK	45.0 dB @ 248.50MHz	N/A	> 32.4 dB	12.6 dB
7,8	RH	OK	43.5 dB @ 219.00MHz	N/A	> 33.3 dB	10.2 dB
3,6	RH	OK	42.7 dB @ 219.50MHz	N/A	> 33.2 dB	9.5 dB
5,4	RH	OK	46.4 dB @ 229.50MHz	N/A	> 32.9 dB	13.5 dB
1,2	RH	OK	45.0 dB @ 224.50MHz	N/A	> 33.1 dB	11.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.1 dB @ 249.00MHz	N/A	>= 1.2 dB	23.9 dB
3,6	DH	OK	24.6 dB @ 236.00MHz	N/A	>= 2.6 dB	22.0 dB
5,4	DH	OK	26.8 dB @ 248.50MHz	N/A	>= 1.4 dB	25.4 dB
1,2	DH	OK	30.1 dB @ 248.00MHz	N/A	>= 1.4 dB	28.7 dB
7,8	RH	OK	28.8 dB @ 234.50MHz	N/A	>= 2.8 dB	26.0 dB
3,6	RH	OK	27.5 dB @ 237.50MHz	N/A	>= 2.5 dB	25.0 dB
5,4	RH	OK	30.3 dB @ 244.00MHz	N/A	>= 1.8 dB	28.5 dB
1,2	RH	OK	30.3 dB @ 224.00MHz	N/A	>= 3.9 dB	26.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.6 dB @ 223.00MHz	N/A	>= 14.2 dB	15.4 dB
3,6	DH	OK	24.6 dB @ 223.00MHz	N/A	>= 14.2 dB	10.4 dB
5,4	DH	OK	25.7 dB @ 223.00MHz	N/A	>= 14.2 dB	11.5 dB
1,2	DH	OK	35.1 dB @ 223.00MHz	N/A	>= 14.2 dB	20.9 dB
7,8	RH	OK	27.2 dB @ 223.00MHz	N/A	>= 14.2 dB	13.0 dB
3,6	RH	OK	27.6 dB @ 223.00MHz	N/A	>= 14.2 dB	13.4 dB
5,4	RH	OK	29.0 dB @ 223.00MHz	N/A	>= 14.2 dB	14.8 dB
1,2	RH	OK	26.6 dB @ 223.00MHz	N/A	>= 14.2 dB	12.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0058  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:52:42  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.4m	50.6m	51.8m	49.3m	< 90.0m	OK
Ritardo di propag.	243.8ns	249.5ns	255.1ns	243.2ns	< 510.0ns	OK
Diff. t. ritardo	11.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.9 Ohm	97.9 Ohm	101.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.8 Ohm	10.1 Ohm	11.3 Ohm	9.9 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.7pF/m	48.2pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	8.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.1 dB @ 239.00MHz	N/A	> 35.6 dB	5.5 dB
7,8-5,4	DH	OK	49.0 dB @ 246.00MHz	N/A	> 35.4 dB	13.6 dB
7,8-1,2	DH	OK	60.7 dB @ 249.00MHz	N/A	> 35.3 dB	25.4 dB
3,6-5,4	DH	OK	53.0 dB @ 227.00MHz	N/A	> 36.0 dB	17.0 dB
3,6-1,2	DH	OK	45.8 dB @ 243.50MHz	N/A	> 35.5 dB	10.3 dB
5,4-1,2	DH	OK	47.6 dB @ 249.50MHz	N/A	> 35.3 dB	12.3 dB
7,8-3,6	RH	OK	46.4 dB @ 239.50MHz	N/A	> 35.6 dB	10.8 dB
7,8-5,4	RH	OK	45.6 dB @ 199.50MHz	N/A	> 36.9 dB	8.7 dB
7,8-1,2	RH	OK	54.4 dB @ 224.50MHz	N/A	> 36.1 dB	18.3 dB
3,6-5,4	RH	OK	50.6 dB @ 229.50MHz	N/A	> 35.9 dB	14.7 dB
3,6-1,2	RH	OK	45.4 dB @ 242.00MHz	N/A	> 35.5 dB	9.9 dB
5,4-1,2	RH	OK	48.7 dB @ 207.00MHz	N/A	> 36.7 dB	12.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 228.00MHz	N/A	> 10.4 dB	6.0 dB
3,6	DH	OK	16.9 dB @ 232.00MHz	N/A	> 10.3 dB	6.6 dB
5,4	DH	OK	17.6 dB @ 238.50MHz	N/A	> 10.2 dB	7.4 dB
1,2	DH	OK	17.8 dB @ 227.00MHz	N/A	> 10.4 dB	7.4 dB
7,8	RH	OK	15.0 dB @ 225.00MHz	N/A	> 10.5 dB	4.5 dB
3,6	RH	OK	16.9 dB @ 228.50MHz	N/A	> 10.4 dB	6.5 dB
5,4	RH	OK	18.4 dB @ 236.00MHz	N/A	> 10.3 dB	8.1 dB
1,2	RH	OK	15.9 dB @ 168.00MHz	N/A	> 11.7 dB	4.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.7 dB @ 249.50MHz	N/A	< 31.1 dB	15.4 dB
3,6	OK	16.6 dB @ 237.00MHz	N/A	< 30.2 dB	13.6 dB
5,4	OK	16.5 dB @ 248.50MHz	N/A	< 31.0 dB	14.5 dB
1,2	OK	15.3 dB @ 248.00MHz	N/A	< 31.0 dB	15.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.5 dB @ 239.00MHz	N/A	>= 5.3 dB	20.2 dB
3,6	DH	OK	25.1 dB @ 239.00MHz	N/A	>= 5.3 dB	19.8 dB
5,4	DH	OK	31.4 dB @ 248.50MHz	N/A	>= 4.4 dB	27.0 dB
1,2	DH	OK	30.6 dB @ 243.50MHz	N/A	>= 4.8 dB	25.8 dB
7,8	RH	OK	30.2 dB @ 249.50MHz	N/A	>= 4.2 dB	26.0 dB
3,6	RH	OK	29.4 dB @ 242.00MHz	N/A	>= 4.9 dB	24.5 dB
5,4	RH	OK	29.8 dB @ 249.00MHz	N/A	>= 4.2 dB	25.6 dB
1,2	RH	OK	30.8 dB @ 242.00MHz	N/A	>= 4.9 dB	25.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0058  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:52:42  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	37.1 dB @ 215.50MHz	N/A	> 17.5 dB	19.6 dB
7,8-5,4	DH	OK	41.1 dB @ 207.50MHz	N/A	> 17.8 dB	23.3 dB
7,8-1,2	DH	OK	42.8 dB @ 217.50MHz	N/A	> 17.4 dB	25.4 dB
3,6-7,8	DH	OK	37.4 dB @ 222.50MHz	N/A	> 17.2 dB	20.2 dB
3,6-5,4	DH	OK	33.8 dB @ 203.50MHz	N/A	> 18.0 dB	15.8 dB
3,6-1,2	DH	OK	41.7 dB @ 132.00MHz	N/A	> 21.7 dB	20.0 dB
5,4-7,8	DH	OK	41.7 dB @ 201.00MHz	N/A	> 18.1 dB	23.6 dB
5,4-3,6	DH	OK	33.4 dB @ 237.00MHz	N/A	> 16.7 dB	16.7 dB
5,4-1,2	DH	OK	36.4 dB @ 249.50MHz	N/A	> 16.2 dB	20.2 dB
1,2-7,8	DH	OK	43.3 dB @ 248.00MHz	N/A	> 16.3 dB	27.0 dB
1,2-3,6	DH	OK	41.3 dB @ 55.50MHz	N/A	> 29.3 dB	12.0 dB
1,2-5,4	DH	OK	35.0 dB @ 248.50MHz	N/A	> 16.3 dB	18.7 dB
7,8-3,6	RH	OK	37.2 dB @ 212.00MHz	N/A	> 17.6 dB	19.6 dB
7,8-5,4	RH	OK	41.3 dB @ 212.00MHz	N/A	> 17.6 dB	23.7 dB
7,8-1,2	RH	OK	42.5 dB @ 221.50MHz	N/A	> 17.3 dB	25.2 dB
3,6-7,8	RH	OK	36.8 dB @ 231.00MHz	N/A	> 16.9 dB	19.9 dB
3,6-5,4	RH	OK	33.8 dB @ 202.50MHz	N/A	> 18.0 dB	15.8 dB
3,6-1,2	RH	OK	41.1 dB @ 132.50MHz	N/A	> 21.7 dB	19.4 dB
5,4-7,8	RH	OK	41.1 dB @ 199.50MHz	N/A	> 18.2 dB	22.9 dB
5,4-3,6	RH	OK	33.7 dB @ 238.00MHz	N/A	> 16.6 dB	17.1 dB
5,4-1,2	RH	OK	35.2 dB @ 248.00MHz	N/A	> 16.3 dB	18.9 dB
1,2-7,8	RH	OK	43.5 dB @ 248.00MHz	N/A	> 16.3 dB	27.2 dB
1,2-3,6	RH	OK	41.6 dB @ 55.50MHz	N/A	> 29.3 dB	12.3 dB
1,2-5,4	RH	OK	36.4 dB @ 248.00MHz	N/A	> 16.3 dB	20.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.6 dB @ 239.00MHz	N/A	> 32.6 dB	8.0 dB
3,6	DH	OK	40.4 dB @ 239.00MHz	N/A	> 32.6 dB	7.8 dB
5,4	DH	OK	45.7 dB @ 250.00MHz	N/A	> 32.3 dB	13.4 dB
1,2	DH	OK	44.7 dB @ 242.00MHz	N/A	> 32.5 dB	12.2 dB
7,8	RH	OK	42.9 dB @ 232.00MHz	N/A	> 32.8 dB	10.1 dB
3,6	RH	OK	42.9 dB @ 242.00MHz	N/A	> 32.5 dB	10.4 dB
5,4	RH	OK	43.9 dB @ 230.50MHz	N/A	> 32.9 dB	11.0 dB
1,2	RH	OK	45.0 dB @ 242.00MHz	N/A	> 32.5 dB	12.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.0 dB @ 239.00MHz	N/A	>= 2.3 dB	22.7 dB
3,6	DH	OK	24.3 dB @ 240.50MHz	N/A	>= 2.2 dB	22.1 dB
5,4	DH	OK	29.7 dB @ 248.50MHz	N/A	>= 1.4 dB	28.3 dB
1,2	DH	OK	29.6 dB @ 243.50MHz	N/A	>= 1.8 dB	27.8 dB
7,8	RH	OK	27.6 dB @ 239.00MHz	N/A	>= 2.3 dB	25.3 dB
3,6	RH	OK	26.9 dB @ 242.00MHz	N/A	>= 1.9 dB	25.0 dB
5,4	RH	OK	28.4 dB @ 249.00MHz	N/A	>= 1.2 dB	27.2 dB
1,2	RH	OK	30.4 dB @ 242.00MHz	N/A	>= 1.9 dB	28.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.8 dB @ 222.50MHz	N/A	>= 14.2 dB	21.6 dB
3,6	DH	OK	31.9 dB @ 231.00MHz	N/A	>= 13.9 dB	18.0 dB
5,4	DH	OK	32.0 dB @ 238.00MHz	N/A	>= 13.6 dB	18.4 dB
1,2	DH	OK	35.0 dB @ 249.50MHz	N/A	>= 13.2 dB	21.8 dB
7,8	RH	OK	34.9 dB @ 212.00MHz	N/A	>= 14.6 dB	20.3 dB
3,6	RH	OK	32.0 dB @ 232.50MHz	N/A	>= 13.8 dB	18.2 dB
5,4	RH	OK	31.5 dB @ 248.50MHz	N/A	>= 13.3 dB	18.2 dB
1,2	RH	OK	35.4 dB @ 248.00MHz	N/A	>= 13.3 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0059  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:53:51  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	45.6m	46.7m	47.6m	45.5m	< 90.0m	OK
Ritardo di propag.	226.2ns	231.3ns	235.3ns	225.8ns	< 510.0ns	OK
Diff. t. ritardo	9.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.6 Ohm	99.1 Ohm	98.9 Ohm	99.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.9 Ohm	9.3 Ohm	10.6 Ohm	9.2 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.6pF/m	47.7pF/m	47.4pF/m	< 66.0pF/m	OK
Riserva	7.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.8 dB @ 249.00MHz	N/A	> 35.3 dB	6.5 dB
7,8-5,4	DH	OK	51.9 dB @ 226.00MHz	N/A	> 36.0 dB	15.9 dB
7,8-1,2	DH	OK	59.9 dB @ 233.00MHz	N/A	> 35.8 dB	24.1 dB
3,6-5,4	DH	OK	53.1 dB @ 230.00MHz	N/A	> 35.9 dB	17.2 dB
3,6-1,2	DH	OK	46.2 dB @ 230.50MHz	N/A	> 35.9 dB	10.3 dB
5,4-1,2	DH	OK	48.7 dB @ 246.50MHz	N/A	> 35.4 dB	13.3 dB
7,8-3,6	RH	OK	44.8 dB @ 216.00MHz	N/A	> 36.4 dB	8.4 dB
7,8-5,4	RH	OK	48.1 dB @ 239.50MHz	N/A	> 35.6 dB	12.5 dB
7,8-1,2	RH	OK	54.4 dB @ 238.50MHz	N/A	> 35.7 dB	18.7 dB
3,6-5,4	RH	OK	50.3 dB @ 223.50MHz	N/A	> 36.1 dB	14.2 dB
3,6-1,2	RH	OK	46.2 dB @ 233.50MHz	N/A	> 35.8 dB	10.4 dB
5,4-1,2	RH	OK	50.1 dB @ 205.50MHz	N/A	> 36.7 dB	13.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 228.50MHz	N/A	> 10.4 dB	5.6 dB
3,6	DH	OK	16.4 dB @ 223.50MHz	N/A	> 10.5 dB	5.9 dB
5,4	DH	OK	17.8 dB @ 227.00MHz	N/A	> 10.4 dB	7.4 dB
1,2	DH	OK	17.4 dB @ 214.50MHz	N/A	> 10.7 dB	6.7 dB
7,8	RH	OK	16.0 dB @ 223.50MHz	N/A	> 10.5 dB	5.5 dB
3,6	RH	OK	16.5 dB @ 230.50MHz	N/A	> 10.4 dB	6.1 dB
5,4	RH	OK	18.5 dB @ 235.00MHz	N/A	> 10.3 dB	8.2 dB
1,2	RH	OK	17.6 dB @ 217.00MHz	N/A	> 10.6 dB	7.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.4 dB @ 229.00MHz	N/A	< 29.6 dB	15.2 dB
3,6	OK	15.7 dB @ 238.00MHz	N/A	< 30.3 dB	14.6 dB
5,4	OK	15.3 dB @ 247.00MHz	N/A	< 30.9 dB	15.6 dB
1,2	OK	14.1 dB @ 250.00MHz	N/A	< 31.2 dB	17.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.6 dB @ 248.50MHz	N/A	>= 4.4 dB	23.2 dB
3,6	DH	OK	26.5 dB @ 244.50MHz	N/A	>= 4.8 dB	21.7 dB
5,4	DH	OK	33.9 dB @ 247.00MHz	N/A	>= 4.5 dB	29.4 dB
1,2	DH	OK	32.9 dB @ 233.00MHz	N/A	>= 5.9 dB	27.0 dB
7,8	RH	OK	31.8 dB @ 216.00MHz	N/A	>= 7.8 dB	24.0 dB
3,6	RH	OK	31.6 dB @ 216.00MHz	N/A	>= 7.8 dB	23.8 dB
5,4	RH	OK	33.7 dB @ 236.00MHz	N/A	>= 5.6 dB	28.1 dB
1,2	RH	OK	33.1 dB @ 233.50MHz	N/A	>= 5.9 dB	27.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0059  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:53:51  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.7 dB @ 222.00MHz	N/A	> 17.2 dB	15.5 dB
7,8-5,4	DH	OK	38.9 dB @ 236.00MHz	N/A	> 16.7 dB	22.2 dB
7,8-1,2	DH	OK	45.5 dB @ 214.00MHz	N/A	> 17.6 dB	27.9 dB
3,6-7,8	DH	OK	33.4 dB @ 229.00MHz	N/A	> 17.0 dB	16.4 dB
3,6-5,4	DH	OK	28.4 dB @ 247.00MHz	N/A	> 16.3 dB	12.1 dB
3,6-1,2	DH	OK	41.3 dB @ 247.50MHz	N/A	> 16.3 dB	25.0 dB
5,4-7,8	DH	OK	39.6 dB @ 250.00MHz	N/A	> 16.2 dB	23.4 dB
5,4-3,6	DH	OK	28.4 dB @ 238.00MHz	N/A	> 16.6 dB	11.8 dB
5,4-1,2	DH	OK	39.4 dB @ 199.50MHz	N/A	> 18.2 dB	21.2 dB
1,2-7,8	DH	OK	44.2 dB @ 249.50MHz	N/A	> 16.2 dB	28.0 dB
1,2-3,6	DH	OK	44.4 dB @ 234.00MHz	N/A	> 16.8 dB	27.6 dB
1,2-5,4	DH	OK	39.4 dB @ 196.50MHz	N/A	> 18.3 dB	21.1 dB
7,8-3,6	RH	OK	33.5 dB @ 223.50MHz	N/A	> 17.2 dB	16.3 dB
7,8-5,4	RH	OK	39.7 dB @ 229.00MHz	N/A	> 17.0 dB	22.7 dB
7,8-1,2	RH	OK	45.7 dB @ 223.50MHz	N/A	> 17.2 dB	28.5 dB
3,6-7,8	RH	OK	32.7 dB @ 238.00MHz	N/A	> 16.6 dB	16.1 dB
3,6-5,4	RH	OK	28.4 dB @ 238.00MHz	N/A	> 16.6 dB	11.8 dB
3,6-1,2	RH	OK	39.7 dB @ 238.00MHz	N/A	> 16.6 dB	23.1 dB
5,4-7,8	RH	OK	38.6 dB @ 247.00MHz	N/A	> 16.3 dB	22.3 dB
5,4-3,6	RH	OK	28.7 dB @ 247.00MHz	N/A	> 16.3 dB	12.4 dB
5,4-1,2	RH	OK	39.0 dB @ 193.00MHz	N/A	> 18.5 dB	20.5 dB
1,2-7,8	RH	OK	44.2 dB @ 250.00MHz	N/A	> 16.2 dB	28.0 dB
1,2-3,6	RH	OK	45.4 dB @ 234.00MHz	N/A	> 16.8 dB	28.6 dB
1,2-5,4	RH	OK	39.6 dB @ 202.00MHz	N/A	> 18.1 dB	21.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.7 dB @ 249.00MHz	N/A	> 32.3 dB	9.4 dB
3,6	DH	OK	40.7 dB @ 250.00MHz	N/A	> 32.3 dB	8.4 dB
5,4	DH	OK	48.0 dB @ 246.50MHz	N/A	> 32.4 dB	15.6 dB
1,2	DH	OK	44.9 dB @ 245.50MHz	N/A	> 32.4 dB	12.5 dB
7,8	RH	OK	43.5 dB @ 216.00MHz	N/A	> 33.4 dB	10.1 dB
3,6	RH	OK	42.8 dB @ 216.50MHz	N/A	> 33.3 dB	9.5 dB
5,4	RH	OK	46.8 dB @ 244.00MHz	N/A	> 32.5 dB	14.3 dB
1,2	RH	OK	45.5 dB @ 233.50MHz	N/A	> 32.8 dB	12.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.5 dB @ 248.50MHz	N/A	>= 1.4 dB	26.1 dB
3,6	DH	OK	25.3 dB @ 244.50MHz	N/A	>= 1.8 dB	23.5 dB
5,4	DH	OK	33.2 dB @ 247.00MHz	N/A	>= 1.5 dB	31.7 dB
1,2	DH	OK	31.3 dB @ 246.00MHz	N/A	>= 1.5 dB	29.8 dB
7,8	RH	OK	30.3 dB @ 225.50MHz	N/A	>= 3.7 dB	26.6 dB
3,6	RH	OK	29.4 dB @ 216.50MHz	N/A	>= 4.6 dB	24.8 dB
5,4	RH	OK	32.7 dB @ 236.00MHz	N/A	>= 2.6 dB	30.1 dB
1,2	RH	OK	32.4 dB @ 233.00MHz	N/A	>= 2.9 dB	29.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.4 dB @ 229.00MHz	N/A	>= 14.0 dB	18.4 dB
3,6	DH	OK	27.3 dB @ 238.00MHz	N/A	>= 13.6 dB	13.7 dB
5,4	DH	OK	28.0 dB @ 247.00MHz	N/A	>= 13.3 dB	14.7 dB
1,2	DH	OK	38.6 dB @ 206.00MHz	N/A	>= 14.9 dB	23.7 dB
7,8	RH	OK	32.4 dB @ 223.50MHz	N/A	>= 14.2 dB	18.2 dB
3,6	RH	OK	26.7 dB @ 238.00MHz	N/A	>= 13.6 dB	13.1 dB
5,4	RH	OK	28.2 dB @ 247.00MHz	N/A	>= 13.3 dB	14.9 dB
1,2	RH	OK	38.3 dB @ 190.00MHz	N/A	>= 15.6 dB	22.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0060  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:54:57  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	45.6m	46.8m	47.9m	45.5m	< 90.0m	OK
Ritardo di propag.	226.2ns	231.7ns	236.9ns	225.8ns	< 510.0ns	OK
Diff. t. ritardo	11.1ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.2 Ohm	98.9 Ohm	98.2 Ohm	101.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.9 Ohm	9.7 Ohm	11.2 Ohm	9.3 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.7pF/m	48.1pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	7.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.4 dB @ 234.50MHz	N/A	> 35.8 dB	4.6 dB
7,8-5,4	DH	OK	51.1 dB @ 233.00MHz	N/A	> 35.8 dB	15.3 dB
7,8-1,2	DH	OK	61.6 dB @ 194.00MHz	N/A	> 37.1 dB	24.5 dB
3,6-5,4	DH	OK	53.6 dB @ 126.50MHz	N/A	> 40.1 dB	13.5 dB
3,6-1,2	DH	OK	46.3 dB @ 250.00MHz	N/A	> 35.3 dB	11.0 dB
5,4-1,2	DH	OK	47.6 dB @ 201.00MHz	N/A	> 36.9 dB	10.7 dB
7,8-3,6	RH	OK	45.7 dB @ 225.00MHz	N/A	> 36.1 dB	9.6 dB
7,8-5,4	RH	OK	45.3 dB @ 245.00MHz	N/A	> 35.5 dB	9.8 dB
7,8-1,2	RH	OK	54.4 dB @ 246.50MHz	N/A	> 35.4 dB	19.0 dB
3,6-5,4	RH	OK	51.2 dB @ 227.50MHz	N/A	> 36.0 dB	15.2 dB
3,6-1,2	RH	OK	45.1 dB @ 233.00MHz	N/A	> 35.8 dB	9.3 dB
5,4-1,2	RH	OK	51.0 dB @ 217.00MHz	N/A	> 36.3 dB	14.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.6 dB @ 221.50MHz	N/A	> 10.5 dB	6.1 dB
3,6	DH	OK	16.4 dB @ 230.50MHz	N/A	> 10.4 dB	6.0 dB
5,4	DH	OK	17.6 dB @ 230.00MHz	N/A	> 10.4 dB	7.2 dB
1,2	DH	OK	17.5 dB @ 217.50MHz	N/A	> 10.6 dB	6.9 dB
7,8	RH	OK	15.9 dB @ 222.00MHz	N/A	> 10.5 dB	5.4 dB
3,6	RH	OK	15.8 dB @ 230.50MHz	N/A	> 10.4 dB	5.4 dB
5,4	RH	OK	17.7 dB @ 230.50MHz	N/A	> 10.4 dB	7.3 dB
1,2	RH	OK	18.0 dB @ 106.00MHz	N/A	> 13.7 dB	4.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.9 dB @ 245.00MHz	N/A	< 30.8 dB	15.9 dB
3,6	OK	15.4 dB @ 243.00MHz	N/A	< 30.6 dB	15.2 dB
5,4	OK	15.2 dB @ 247.00MHz	N/A	< 30.9 dB	15.7 dB
1,2	OK	14.6 dB @ 235.50MHz	N/A	< 30.1 dB	15.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.0 dB @ 234.50MHz	N/A	>= 5.8 dB	20.2 dB
3,6	DH	OK	25.5 dB @ 234.50MHz	N/A	>= 5.8 dB	19.7 dB
5,4	DH	OK	34.0 dB @ 243.00MHz	N/A	>= 4.9 dB	29.1 dB
1,2	DH	OK	32.1 dB @ 250.00MHz	N/A	>= 4.1 dB	28.0 dB
7,8	RH	OK	30.4 dB @ 245.00MHz	N/A	>= 4.7 dB	25.7 dB
3,6	RH	OK	30.3 dB @ 228.50MHz	N/A	>= 6.4 dB	23.9 dB
5,4	RH	OK	30.6 dB @ 243.00MHz	N/A	>= 4.9 dB	25.7 dB
1,2	RH	OK	31.7 dB @ 229.00MHz	N/A	>= 6.3 dB	25.4 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0060  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:54:57  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.8 dB @ 223.00MHz	N/A	> 17.2 dB	16.6 dB
7,8-5,4	DH	OK	41.4 dB @ 224.50MHz	N/A	> 17.1 dB	24.3 dB
7,8-1,2	DH	OK	48.2 dB @ 167.50MHz	N/A	> 19.7 dB	28.5 dB
3,6-7,8	DH	OK	35.8 dB @ 229.50MHz	N/A	> 16.9 dB	18.9 dB
3,6-5,4	DH	OK	35.4 dB @ 227.50MHz	N/A	> 17.0 dB	18.4 dB
3,6-1,2	DH	OK	41.1 dB @ 191.00MHz	N/A	> 18.5 dB	22.6 dB
5,4-7,8	DH	OK	41.2 dB @ 222.00MHz	N/A	> 17.2 dB	24.0 dB
5,4-3,6	DH	OK	35.2 dB @ 223.00MHz	N/A	> 17.2 dB	18.0 dB
5,4-1,2	DH	OK	39.0 dB @ 248.50MHz	N/A	> 16.3 dB	22.7 dB
1,2-7,8	DH	OK	47.6 dB @ 178.00MHz	N/A	> 19.2 dB	28.4 dB
1,2-3,6	DH	OK	40.4 dB @ 173.00MHz	N/A	> 19.4 dB	21.0 dB
1,2-5,4	DH	OK	38.7 dB @ 248.50MHz	N/A	> 16.3 dB	22.4 dB
7,8-3,6	RH	OK	34.1 dB @ 222.00MHz	N/A	> 17.2 dB	16.9 dB
7,8-5,4	RH	OK	41.4 dB @ 217.50MHz	N/A	> 17.4 dB	24.0 dB
7,8-1,2	RH	OK	47.6 dB @ 228.00MHz	N/A	> 17.0 dB	30.6 dB
3,6-7,8	RH	OK	35.3 dB @ 211.50MHz	N/A	> 17.7 dB	17.6 dB
3,6-5,4	RH	OK	34.7 dB @ 228.50MHz	N/A	> 17.0 dB	17.7 dB
3,6-1,2	RH	OK	40.4 dB @ 187.00MHz	N/A	> 18.7 dB	21.7 dB
5,4-7,8	RH	OK	41.1 dB @ 224.50MHz	N/A	> 17.1 dB	24.0 dB
5,4-3,6	RH	OK	35.7 dB @ 224.50MHz	N/A	> 17.1 dB	18.6 dB
5,4-1,2	RH	OK	38.0 dB @ 249.50MHz	N/A	> 16.2 dB	21.8 dB
1,2-7,8	RH	OK	47.8 dB @ 177.00MHz	N/A	> 19.2 dB	28.6 dB
1,2-3,6	RH	OK	41.2 dB @ 175.00MHz	N/A	> 19.3 dB	21.9 dB
1,2-5,4	RH	OK	39.5 dB @ 248.50MHz	N/A	> 16.3 dB	23.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.0 dB @ 234.50MHz	N/A	> 32.8 dB	7.2 dB
3,6	DH	OK	39.7 dB @ 234.50MHz	N/A	> 32.8 dB	6.9 dB
5,4	DH	OK	47.1 dB @ 201.00MHz	N/A	> 33.9 dB	13.2 dB
1,2	DH	OK	45.0 dB @ 250.00MHz	N/A	> 32.3 dB	12.7 dB
7,8	RH	OK	43.0 dB @ 224.50MHz	N/A	> 33.1 dB	9.9 dB
3,6	RH	OK	42.5 dB @ 228.00MHz	N/A	> 33.0 dB	9.5 dB
5,4	RH	OK	43.9 dB @ 245.00MHz	N/A	> 32.5 dB	11.4 dB
1,2	RH	OK	44.5 dB @ 233.00MHz	N/A	> 32.8 dB	11.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.6 dB @ 234.50MHz	N/A	>= 2.8 dB	22.8 dB
3,6	DH	OK	24.8 dB @ 234.50MHz	N/A	>= 2.8 dB	22.0 dB
5,4	DH	OK	33.3 dB @ 239.50MHz	N/A	>= 2.2 dB	31.1 dB
1,2	DH	OK	30.8 dB @ 250.00MHz	N/A	>= 1.1 dB	29.7 dB
7,8	RH	OK	28.4 dB @ 245.00MHz	N/A	>= 1.7 dB	26.7 dB
3,6	RH	OK	27.5 dB @ 228.50MHz	N/A	>= 3.4 dB	24.1 dB
5,4	RH	OK	29.1 dB @ 243.00MHz	N/A	>= 1.9 dB	27.2 dB
1,2	RH	OK	31.1 dB @ 232.50MHz	N/A	>= 2.9 dB	28.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.6 dB @ 217.50MHz	N/A	>= 14.4 dB	20.2 dB
3,6	DH	OK	31.1 dB @ 223.00MHz	N/A	>= 14.2 dB	16.9 dB
5,4	DH	OK	34.0 dB @ 224.50MHz	N/A	>= 14.1 dB	19.9 dB
1,2	DH	OK	37.9 dB @ 190.00MHz	N/A	>= 15.6 dB	22.3 dB
7,8	RH	OK	33.2 dB @ 222.00MHz	N/A	>= 14.2 dB	19.0 dB
3,6	RH	OK	31.9 dB @ 228.50MHz	N/A	>= 14.0 dB	17.9 dB
5,4	RH	OK	34.1 dB @ 243.00MHz	N/A	>= 13.5 dB	20.6 dB
1,2	RH	OK	37.5 dB @ 175.00MHz	N/A	>= 16.3 dB	21.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

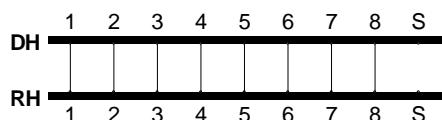
## OK

ID cavo 1: 0061  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:56:10  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	45.5m	46.6m	47.7m	45.3m	< 90.0m	OK
Ritardo di propag.	225.6ns	230.9ns	235.8ns	224.9ns	< 510.0ns	OK
Diff. t. ritardo	10.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.3 Ohm	98.2 Ohm	97.1 Ohm	100.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.1 Ohm	9.6 Ohm	11.3 Ohm	9.3 Ohm	< 20.0 Ohm	OK
Capacità	48.0pF/m	48.1pF/m	48.6pF/m	47.0pF/m	< 66.0pF/m	OK
Riserva	9.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.7 dB @ 249.00MHz	N/A	> 35.3 dB	7.4 dB
7,8-5,4	DH	OK	47.5 dB @ 245.50MHz	N/A	> 35.4 dB	12.1 dB
7,8-1,2	DH	OK	56.3 dB @ 249.00MHz	N/A	> 35.3 dB	21.0 dB
3,6-5,4	DH	OK	49.6 dB @ 226.50MHz	N/A	> 36.0 dB	13.6 dB
3,6-1,2	DH	OK	46.9 dB @ 247.00MHz	N/A	> 35.4 dB	11.5 dB
5,4-1,2	DH	OK	47.9 dB @ 250.00MHz	N/A	> 35.3 dB	12.6 dB
7,8-3,6	RH	OK	47.7 dB @ 249.00MHz	N/A	> 35.3 dB	12.4 dB
7,8-5,4	RH	OK	45.9 dB @ 239.00MHz	N/A	> 35.6 dB	10.3 dB
7,8-1,2	RH	OK	53.7 dB @ 203.00MHz	N/A	> 36.8 dB	16.9 dB
3,6-5,4	RH	OK	50.4 dB @ 224.50MHz	N/A	> 36.1 dB	14.3 dB
3,6-1,2	RH	OK	44.1 dB @ 227.50MHz	N/A	> 36.0 dB	8.1 dB
5,4-1,2	RH	OK	50.3 dB @ 250.00MHz	N/A	> 35.3 dB	15.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 225.00MHz	N/A	> 10.5 dB	5.4 dB
3,6	DH	OK	16.8 dB @ 225.00MHz	N/A	> 10.5 dB	6.3 dB
5,4	DH	OK	17.1 dB @ 234.00MHz	N/A	> 10.3 dB	6.8 dB
1,2	DH	OK	16.9 dB @ 225.50MHz	N/A	> 10.5 dB	6.4 dB
7,8	RH	OK	16.1 dB @ 220.50MHz	N/A	> 10.6 dB	5.5 dB
3,6	RH	OK	16.6 dB @ 227.00MHz	N/A	> 10.4 dB	6.2 dB
5,4	RH	OK	18.3 dB @ 225.50MHz	N/A	> 10.5 dB	7.8 dB
1,2	RH	OK	15.9 dB @ 156.50MHz	N/A	> 12.0 dB	3.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.6 dB @ 227.50MHz	N/A	< 29.5 dB	13.9 dB
3,6	OK	15.6 dB @ 237.00MHz	N/A	< 30.2 dB	14.6 dB
5,4	OK	15.7 dB @ 247.00MHz	N/A	< 30.9 dB	15.2 dB
1,2	OK	14.3 dB @ 249.00MHz	N/A	< 31.1 dB	16.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.9 dB @ 249.00MHz	N/A	>= 4.2 dB	23.7 dB
3,6	DH	OK	27.8 dB @ 240.50MHz	N/A	>= 5.2 dB	22.6 dB
5,4	DH	OK	32.9 dB @ 244.50MHz	N/A	>= 4.8 dB	28.1 dB
1,2	DH	OK	33.2 dB @ 247.00MHz	N/A	>= 4.5 dB	28.7 dB
7,8	RH	OK	31.8 dB @ 238.50MHz	N/A	>= 5.4 dB	26.4 dB
3,6	RH	OK	29.7 dB @ 227.50MHz	N/A	>= 6.5 dB	23.2 dB
5,4	RH	OK	30.6 dB @ 238.50MHz	N/A	>= 5.4 dB	25.2 dB
1,2	RH	OK	30.9 dB @ 227.50MHz	N/A	>= 6.5 dB	24.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0061  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:56:10  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.7 dB @ 228.50MHz	N/A	> 17.0 dB	17.7 dB
7,8-5,4	DH	OK	40.8 dB @ 224.50MHz	N/A	> 17.1 dB	23.7 dB
7,8-1,2	DH	OK	43.9 dB @ 249.00MHz	N/A	> 16.2 dB	27.7 dB
3,6-7,8	DH	OK	34.9 dB @ 227.50MHz	N/A	> 17.0 dB	17.9 dB
3,6-5,4	DH	OK	30.2 dB @ 247.00MHz	N/A	> 16.3 dB	13.9 dB
3,6-1,2	DH	OK	37.2 dB @ 234.50MHz	N/A	> 16.8 dB	20.4 dB
5,4-7,8	DH	OK	40.0 dB @ 227.50MHz	N/A	> 17.0 dB	23.0 dB
5,4-3,6	DH	OK	30.5 dB @ 235.00MHz	N/A	> 16.7 dB	13.8 dB
5,4-1,2	DH	OK	39.1 dB @ 249.00MHz	N/A	> 16.2 dB	22.9 dB
1,2-7,8	DH	OK	45.1 dB @ 248.00MHz	N/A	> 16.3 dB	28.8 dB
1,2-3,6	DH	OK	40.4 dB @ 232.50MHz	N/A	> 16.8 dB	23.6 dB
1,2-5,4	DH	OK	38.4 dB @ 248.00MHz	N/A	> 16.3 dB	22.1 dB
7,8-3,6	RH	OK	33.8 dB @ 227.50MHz	N/A	> 17.0 dB	16.8 dB
7,8-5,4	RH	OK	40.4 dB @ 227.50MHz	N/A	> 17.0 dB	23.4 dB
7,8-1,2	RH	OK	43.4 dB @ 249.00MHz	N/A	> 16.2 dB	27.2 dB
3,6-7,8	RH	OK	35.1 dB @ 232.50MHz	N/A	> 16.8 dB	18.3 dB
3,6-5,4	RH	OK	30.6 dB @ 237.00MHz	N/A	> 16.7 dB	13.9 dB
3,6-1,2	RH	OK	35.2 dB @ 237.00MHz	N/A	> 16.7 dB	18.5 dB
5,4-7,8	RH	OK	40.6 dB @ 233.00MHz	N/A	> 16.8 dB	23.8 dB
5,4-3,6	RH	OK	30.7 dB @ 238.50MHz	N/A	> 16.6 dB	14.1 dB
5,4-1,2	RH	OK	37.6 dB @ 247.00MHz	N/A	> 16.3 dB	21.3 dB
1,2-7,8	RH	OK	45.6 dB @ 248.00MHz	N/A	> 16.3 dB	29.3 dB
1,2-3,6	RH	OK	41.4 dB @ 232.50MHz	N/A	> 16.8 dB	24.6 dB
1,2-5,4	RH	OK	39.4 dB @ 249.00MHz	N/A	> 16.2 dB	23.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 244.50MHz	N/A	> 32.5 dB	8.9 dB
3,6	DH	OK	41.1 dB @ 247.00MHz	N/A	> 32.4 dB	8.7 dB
5,4	DH	OK	45.1 dB @ 243.00MHz	N/A	> 32.5 dB	12.6 dB
1,2	DH	OK	44.8 dB @ 249.50MHz	N/A	> 32.3 dB	12.5 dB
7,8	RH	OK	44.3 dB @ 238.50MHz	N/A	> 32.7 dB	11.6 dB
3,6	RH	OK	43.0 dB @ 227.50MHz	N/A	> 33.0 dB	10.0 dB
5,4	RH	OK	44.7 dB @ 238.50MHz	N/A	> 32.7 dB	12.0 dB
1,2	RH	OK	43.6 dB @ 227.50MHz	N/A	> 33.0 dB	10.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.0 dB @ 249.00MHz	N/A	>= 1.2 dB	25.8 dB
3,6	DH	OK	26.3 dB @ 247.00MHz	N/A	>= 1.5 dB	24.8 dB
5,4	DH	OK	30.1 dB @ 248.00MHz	N/A	>= 1.4 dB	28.7 dB
1,2	DH	OK	30.7 dB @ 249.50MHz	N/A	>= 1.2 dB	29.5 dB
7,8	RH	OK	29.9 dB @ 236.00MHz	N/A	>= 2.6 dB	27.3 dB
3,6	RH	OK	28.6 dB @ 227.50MHz	N/A	>= 3.5 dB	25.1 dB
5,4	RH	OK	29.4 dB @ 238.50MHz	N/A	>= 2.4 dB	27.0 dB
1,2	RH	OK	30.4 dB @ 227.50MHz	N/A	>= 3.5 dB	26.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.4 dB @ 227.50MHz	N/A	>= 14.0 dB	19.4 dB
3,6	DH	OK	29.1 dB @ 236.50MHz	N/A	>= 13.7 dB	15.4 dB
5,4	DH	OK	29.3 dB @ 247.00MHz	N/A	>= 13.3 dB	16.0 dB
1,2	DH	OK	34.9 dB @ 238.00MHz	N/A	>= 13.6 dB	21.3 dB
7,8	RH	OK	32.7 dB @ 227.50MHz	N/A	>= 14.0 dB	18.7 dB
3,6	RH	OK	28.3 dB @ 237.00MHz	N/A	>= 13.7 dB	14.6 dB
5,4	RH	OK	29.6 dB @ 248.00MHz	N/A	>= 13.3 dB	16.3 dB
1,2	RH	OK	37.0 dB @ 249.00MHz	N/A	>= 13.2 dB	23.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

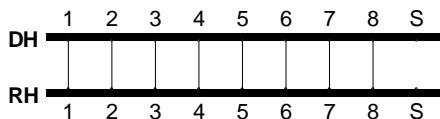
**OK**

ID cavo 1: 0062  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:57:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	45.3m	46.5m	47.8m	45.2m	< 90.0m	OK
Ritardo di propag.	224.8ns	230.4ns	236.6ns	224.4ns	< 510.0ns	OK
Diff. t. ritardo	12.2ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.2 Ohm	99.5 Ohm	96.5 Ohm	101.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.2 Ohm	9.5 Ohm	11.4 Ohm	9.1 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.5pF/m	49.0pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	8.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.6 dB @ 241.00MHz	N/A	> 35.6 dB	6.0 dB
7,8-5,4	DH	OK	54.9 dB @ 232.00MHz	N/A	> 35.8 dB	19.1 dB
7,8-1,2	DH	OK	57.8 dB @ 248.50MHz	N/A	> 35.4 dB	22.4 dB
3,6-5,4	DH	OK	51.2 dB @ 228.50MHz	N/A	> 36.0 dB	15.2 dB
3,6-1,2	DH	OK	45.9 dB @ 241.50MHz	N/A	> 35.6 dB	10.3 dB
5,4-1,2	DH	OK	47.8 dB @ 201.50MHz	N/A	> 36.8 dB	11.0 dB
7,8-3,6	RH	OK	44.7 dB @ 246.50MHz	N/A	> 35.4 dB	9.3 dB
7,8-5,4	RH	OK	47.4 dB @ 240.50MHz	N/A	> 35.6 dB	11.8 dB
7,8-1,2	RH	OK	53.7 dB @ 201.00MHz	N/A	> 36.9 dB	16.8 dB
3,6-5,4	RH	OK	51.2 dB @ 224.00MHz	N/A	> 36.1 dB	15.1 dB
3,6-1,2	RH	OK	50.6 dB @ 224.50MHz	N/A	> 36.1 dB	14.5 dB
5,4-1,2	RH	OK	47.1 dB @ 250.00MHz	N/A	> 35.3 dB	11.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 234.50MHz	N/A	> 10.3 dB	5.7 dB
3,6	DH	OK	16.7 dB @ 231.50MHz	N/A	> 10.3 dB	6.4 dB
5,4	DH	OK	17.2 dB @ 231.00MHz	N/A	> 10.4 dB	6.8 dB
1,2	DH	OK	17.9 dB @ 163.50MHz	N/A	> 11.9 dB	6.0 dB
7,8	RH	OK	17.2 dB @ 166.50MHz	N/A	> 11.8 dB	5.4 dB
3,6	RH	OK	16.9 dB @ 227.00MHz	N/A	> 10.4 dB	6.5 dB
5,4	RH	OK	19.2 dB @ 242.50MHz	N/A	> 10.1 dB	9.1 dB
1,2	RH	OK	17.3 dB @ 161.00MHz	N/A	> 11.9 dB	5.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.1 dB @ 232.50MHz	N/A	< 29.9 dB	14.8 dB
3,6	OK	15.1 dB @ 245.50MHz	N/A	< 30.8 dB	15.7 dB
5,4	OK	15.7 dB @ 233.00MHz	N/A	< 29.9 dB	14.2 dB
1,2	OK	14.7 dB @ 247.50MHz	N/A	< 31.0 dB	16.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.4 dB @ 249.50MHz	N/A	>= 4.2 dB	23.2 dB
3,6	DH	OK	26.7 dB @ 239.50MHz	N/A	>= 5.2 dB	21.5 dB
5,4	DH	OK	33.8 dB @ 249.50MHz	N/A	>= 4.2 dB	29.6 dB
1,2	DH	OK	32.3 dB @ 241.50MHz	N/A	>= 5.1 dB	27.2 dB
7,8	RH	OK	30.6 dB @ 247.00MHz	N/A	>= 4.5 dB	26.1 dB
3,6	RH	OK	30.2 dB @ 248.00MHz	N/A	>= 4.4 dB	25.8 dB
5,4	RH	OK	32.2 dB @ 250.00MHz	N/A	>= 4.1 dB	28.1 dB
1,2	RH	OK	33.5 dB @ 250.00MHz	N/A	>= 4.1 dB	29.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0062  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:57:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.8 dB @ 225.00MHz	N/A	> 17.1 dB	15.7 dB
7,8-5,4	DH	OK	39.4 dB @ 233.00MHz	N/A	> 16.8 dB	22.6 dB
7,8-1,2	DH	OK	44.9 dB @ 249.50MHz	N/A	> 16.2 dB	28.7 dB
3,6-7,8	DH	OK	32.5 dB @ 232.50MHz	N/A	> 16.8 dB	15.7 dB
3,6-5,4	DH	OK	31.1 dB @ 233.00MHz	N/A	> 16.8 dB	14.3 dB
3,6-1,2	DH	OK	39.5 dB @ 247.50MHz	N/A	> 16.3 dB	23.2 dB
5,4-7,8	DH	OK	39.5 dB @ 225.50MHz	N/A	> 17.1 dB	22.4 dB
5,4-3,6	DH	OK	31.5 dB @ 223.00MHz	N/A	> 17.2 dB	14.3 dB
5,4-1,2	DH	OK	38.8 dB @ 247.50MHz	N/A	> 16.3 dB	22.5 dB
1,2-7,8	DH	OK	44.2 dB @ 249.50MHz	N/A	> 16.2 dB	28.0 dB
1,2-3,6	DH	OK	37.9 dB @ 231.50MHz	N/A	> 16.9 dB	21.0 dB
1,2-5,4	DH	OK	37.3 dB @ 249.50MHz	N/A	> 16.2 dB	21.1 dB
7,8-3,6	RH	OK	33.2 dB @ 218.00MHz	N/A	> 17.4 dB	15.8 dB
7,8-5,4	RH	OK	40.1 dB @ 232.50MHz	N/A	> 16.8 dB	23.3 dB
7,8-1,2	RH	OK	44.4 dB @ 249.50MHz	N/A	> 16.2 dB	28.2 dB
3,6-7,8	RH	OK	32.8 dB @ 231.00MHz	N/A	> 16.9 dB	15.9 dB
3,6-5,4	RH	OK	31.9 dB @ 235.50MHz	N/A	> 16.7 dB	15.2 dB
3,6-1,2	RH	OK	38.9 dB @ 245.50MHz	N/A	> 16.4 dB	22.5 dB
5,4-7,8	RH	OK	39.0 dB @ 223.50MHz	N/A	> 17.2 dB	21.8 dB
5,4-3,6	RH	OK	30.8 dB @ 233.00MHz	N/A	> 16.8 dB	14.0 dB
5,4-1,2	RH	OK	37.7 dB @ 249.50MHz	N/A	> 16.2 dB	21.5 dB
1,2-7,8	RH	OK	44.2 dB @ 249.00MHz	N/A	> 16.2 dB	28.0 dB
1,2-3,6	RH	OK	38.6 dB @ 247.50MHz	N/A	> 16.3 dB	22.3 dB
1,2-5,4	RH	OK	38.1 dB @ 247.50MHz	N/A	> 16.3 dB	21.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 241.00MHz	N/A	> 32.6 dB	8.8 dB
3,6	DH	OK	40.2 dB @ 241.00MHz	N/A	> 32.6 dB	7.6 dB
5,4	DH	OK	47.4 dB @ 201.50MHz	N/A	> 33.8 dB	13.6 dB
1,2	DH	OK	44.3 dB @ 241.50MHz	N/A	> 32.6 dB	11.7 dB
7,8	RH	OK	43.5 dB @ 246.50MHz	N/A	> 32.4 dB	11.1 dB
3,6	RH	OK	44.1 dB @ 246.50MHz	N/A	> 32.4 dB	11.7 dB
5,4	RH	OK	45.3 dB @ 250.00MHz	N/A	> 32.3 dB	13.0 dB
1,2	RH	OK	45.8 dB @ 250.00MHz	N/A	> 32.3 dB	13.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.2 dB @ 249.50MHz	N/A	>= 1.2 dB	26.0 dB
3,6	DH	OK	25.3 dB @ 245.50MHz	N/A	>= 1.6 dB	23.7 dB
5,4	DH	OK	32.8 dB @ 237.50MHz	N/A	>= 2.5 dB	30.3 dB
1,2	DH	OK	30.5 dB @ 247.50MHz	N/A	>= 1.4 dB	29.1 dB
7,8	RH	OK	29.4 dB @ 247.00MHz	N/A	>= 1.5 dB	27.9 dB
3,6	RH	OK	29.5 dB @ 248.00MHz	N/A	>= 1.4 dB	28.1 dB
5,4	RH	OK	30.3 dB @ 240.00MHz	N/A	>= 2.2 dB	28.1 dB
1,2	RH	OK	32.2 dB @ 250.00MHz	N/A	>= 1.1 dB	31.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.5 dB @ 232.50MHz	N/A	>= 13.8 dB	17.7 dB
3,6	DH	OK	28.6 dB @ 225.00MHz	N/A	>= 14.1 dB	14.5 dB
5,4	DH	OK	30.1 dB @ 233.00MHz	N/A	>= 13.8 dB	16.3 dB
1,2	DH	OK	35.5 dB @ 247.50MHz	N/A	>= 13.3 dB	22.2 dB
7,8	RH	OK	32.3 dB @ 218.00MHz	N/A	>= 14.4 dB	17.9 dB
3,6	RH	OK	29.0 dB @ 235.50MHz	N/A	>= 13.7 dB	15.3 dB
5,4	RH	OK	29.6 dB @ 233.00MHz	N/A	>= 13.8 dB	15.8 dB
1,2	RH	OK	34.9 dB @ 249.00MHz	N/A	>= 13.2 dB	21.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

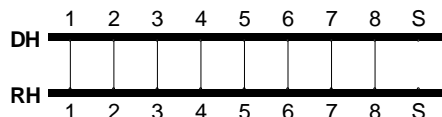
ID cavo 1: 0063  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:58:25  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	45.5m	46.7m	47.9m	45.3m	< 90.0m	OK
Ritardo di propag.	225.6ns	231.3ns	237.0ns	225.1ns	< 510.0ns	OK
Diff. t. ritardo	11.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.9 Ohm	98.8 Ohm	96.0 Ohm	101.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.9 Ohm	9.4 Ohm	11.5 Ohm	9.2 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.8pF/m	49.2pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	8.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.3 dB @ 247.50MHz	N/A	> 35.4 dB	6.9 dB
7,8-5,4	DH	OK	51.1 dB @ 233.50MHz	N/A	> 35.8 dB	15.3 dB
7,8-1,2	DH	OK	50.2 dB @ 234.00MHz	N/A	> 35.8 dB	14.4 dB
3,6-5,4	DH	OK	54.2 dB @ 230.00MHz	N/A	> 35.9 dB	18.3 dB
3,6-1,2	DH	OK	43.7 dB @ 231.00MHz	N/A	> 35.9 dB	7.8 dB
5,4-1,2	DH	OK	45.4 dB @ 248.50MHz	N/A	> 35.4 dB	10.0 dB
7,8-3,6	RH	OK	47.1 dB @ 232.50MHz	N/A	> 35.8 dB	11.3 dB
7,8-5,4	RH	OK	47.3 dB @ 234.00MHz	N/A	> 35.8 dB	11.5 dB
7,8-1,2	RH	OK	53.0 dB @ 234.50MHz	N/A	> 35.8 dB	17.2 dB
3,6-5,4	RH	OK	46.3 dB @ 250.00MHz	N/A	> 35.3 dB	11.0 dB
3,6-1,2	RH	OK	48.3 dB @ 236.50MHz	N/A	> 35.7 dB	12.6 dB
5,4-1,2	RH	OK	51.6 dB @ 208.00MHz	N/A	> 36.6 dB	15.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 231.50MHz	N/A	> 10.3 dB	6.1 dB
3,6	DH	OK	16.5 dB @ 233.00MHz	N/A	> 10.3 dB	6.2 dB
5,4	DH	OK	17.0 dB @ 228.50MHz	N/A	> 10.4 dB	6.6 dB
1,2	DH	OK	18.1 dB @ 217.50MHz	N/A	> 10.6 dB	7.5 dB
7,8	RH	OK	15.5 dB @ 224.50MHz	N/A	> 10.5 dB	5.0 dB
3,6	RH	OK	16.4 dB @ 219.50MHz	N/A	> 10.6 dB	5.8 dB
5,4	RH	OK	18.0 dB @ 215.50MHz	N/A	> 10.7 dB	7.3 dB
1,2	RH	OK	16.9 dB @ 222.00MHz	N/A	> 10.5 dB	6.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.9 dB @ 248.00MHz	N/A	< 31.0 dB	16.1 dB
3,6	OK	15.3 dB @ 248.50MHz	N/A	< 31.0 dB	15.7 dB
5,4	OK	16.1 dB @ 248.50MHz	N/A	< 31.0 dB	14.9 dB
1,2	OK	14.0 dB @ 249.50MHz	N/A	< 31.1 dB	17.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.0 dB @ 247.50MHz	N/A	>= 4.4 dB	23.6 dB
3,6	DH	OK	27.7 dB @ 235.00MHz	N/A	>= 5.8 dB	21.9 dB
5,4	DH	OK	29.3 dB @ 248.50MHz	N/A	>= 4.4 dB	24.9 dB
1,2	DH	OK	30.1 dB @ 236.50MHz	N/A	>= 5.5 dB	24.6 dB
7,8	RH	OK	33.3 dB @ 239.00MHz	N/A	>= 5.3 dB	28.0 dB
3,6	RH	OK	31.2 dB @ 250.00MHz	N/A	>= 4.1 dB	27.1 dB
5,4	RH	OK	30.5 dB @ 248.50MHz	N/A	>= 4.4 dB	26.1 dB
1,2	RH	OK	34.3 dB @ 236.50MHz	N/A	>= 5.5 dB	28.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0063  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:58:25  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.9 dB @ 224.50MHz	N/A	> 17.1 dB	14.8 dB
7,8-5,4	DH	OK	39.9 dB @ 228.00MHz	N/A	> 17.0 dB	22.9 dB
7,8-1,2	DH	OK	47.0 dB @ 248.00MHz	N/A	> 16.3 dB	30.7 dB
3,6-7,8	DH	OK	33.9 dB @ 230.50MHz	N/A	> 16.9 dB	17.0 dB
3,6-5,4	DH	OK	31.7 dB @ 240.50MHz	N/A	> 16.5 dB	15.2 dB
3,6-1,2	DH	OK	44.8 dB @ 231.50MHz	N/A	> 16.9 dB	27.9 dB
5,4-7,8	DH	OK	41.1 dB @ 230.50MHz	N/A	> 16.9 dB	24.2 dB
5,4-3,6	DH	OK	32.4 dB @ 224.50MHz	N/A	> 17.1 dB	15.3 dB
5,4-1,2	DH	OK	40.0 dB @ 249.00MHz	N/A	> 16.2 dB	23.8 dB
1,2-7,8	DH	OK	45.3 dB @ 248.00MHz	N/A	> 16.3 dB	29.0 dB
1,2-3,6	DH	OK	43.9 dB @ 232.50MHz	N/A	> 16.8 dB	27.1 dB
1,2-5,4	DH	OK	39.5 dB @ 250.00MHz	N/A	> 16.2 dB	23.3 dB
7,8-3,6	RH	OK	32.4 dB @ 218.50MHz	N/A	> 17.4 dB	15.0 dB
7,8-5,4	RH	OK	40.8 dB @ 230.50MHz	N/A	> 16.9 dB	23.9 dB
7,8-1,2	RH	OK	46.0 dB @ 248.00MHz	N/A	> 16.3 dB	29.7 dB
3,6-7,8	RH	OK	33.6 dB @ 229.00MHz	N/A	> 17.0 dB	16.6 dB
3,6-5,4	RH	OK	32.1 dB @ 235.00MHz	N/A	> 16.7 dB	15.4 dB
3,6-1,2	RH	OK	43.8 dB @ 231.50MHz	N/A	> 16.9 dB	26.9 dB
5,4-7,8	RH	OK	40.4 dB @ 228.00MHz	N/A	> 17.0 dB	23.4 dB
5,4-3,6	RH	OK	32.0 dB @ 231.50MHz	N/A	> 16.9 dB	15.1 dB
5,4-1,2	RH	OK	38.5 dB @ 249.00MHz	N/A	> 16.2 dB	22.3 dB
1,2-7,8	RH	OK	46.1 dB @ 249.00MHz	N/A	> 16.2 dB	29.9 dB
1,2-3,6	RH	OK	44.9 dB @ 231.50MHz	N/A	> 16.9 dB	28.0 dB
1,2-5,4	RH	OK	40.8 dB @ 182.50MHz	N/A	> 18.9 dB	21.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.9 dB @ 235.00MHz	N/A	> 32.8 dB	9.1 dB
3,6	DH	OK	40.4 dB @ 236.50MHz	N/A	> 32.7 dB	7.7 dB
5,4	DH	OK	44.9 dB @ 234.00MHz	N/A	> 32.8 dB	12.1 dB
1,2	DH	OK	41.6 dB @ 231.50MHz	N/A	> 32.9 dB	8.7 dB
7,8	RH	OK	44.6 dB @ 234.50MHz	N/A	> 32.8 dB	11.8 dB
3,6	RH	OK	42.9 dB @ 247.50MHz	N/A	> 32.4 dB	10.5 dB
5,4	RH	OK	43.8 dB @ 239.00MHz	N/A	> 32.6 dB	11.2 dB
1,2	RH	OK	46.6 dB @ 249.00MHz	N/A	> 32.3 dB	14.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.4 dB @ 236.00MHz	N/A	>= 2.6 dB	24.8 dB
3,6	DH	OK	25.5 dB @ 235.00MHz	N/A	>= 2.8 dB	22.7 dB
5,4	DH	OK	29.2 dB @ 248.50MHz	N/A	>= 1.4 dB	27.8 dB
1,2	DH	OK	27.8 dB @ 231.50MHz	N/A	>= 3.1 dB	24.7 dB
7,8	RH	OK	30.7 dB @ 239.00MHz	N/A	>= 2.3 dB	28.4 dB
3,6	RH	OK	27.9 dB @ 248.50MHz	N/A	>= 1.4 dB	26.5 dB
5,4	RH	OK	28.2 dB @ 248.50MHz	N/A	>= 1.4 dB	26.8 dB
1,2	RH	OK	32.7 dB @ 249.00MHz	N/A	>= 1.2 dB	31.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.9 dB @ 230.50MHz	N/A	>= 13.9 dB	19.0 dB
3,6	DH	OK	29.0 dB @ 224.50MHz	N/A	>= 14.1 dB	14.9 dB
5,4	DH	OK	30.8 dB @ 248.50MHz	N/A	>= 13.3 dB	17.5 dB
1,2	DH	OK	38.8 dB @ 249.00MHz	N/A	>= 13.2 dB	25.6 dB
7,8	RH	OK	31.9 dB @ 230.50MHz	N/A	>= 13.9 dB	18.0 dB
3,6	RH	OK	29.6 dB @ 229.00MHz	N/A	>= 14.0 dB	15.6 dB
5,4	RH	OK	30.8 dB @ 248.50MHz	N/A	>= 13.3 dB	17.5 dB
1,2	RH	OK	39.4 dB @ 249.50MHz	N/A	>= 13.2 dB	26.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0064  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:59:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	45.4m	46.5m	47.7m	45.3m	< 90.0m	OK
Ritardo di propag.	225.2ns	230.5ns	235.8ns	224.8ns	< 510.0ns	OK
Diff. t. ritardo	11.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.0 Ohm	99.0 Ohm	98.1 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.1 Ohm	9.6 Ohm	11.1 Ohm	9.2 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.7pF/m	48.1pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	7.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.8 dB @ 249.00MHz	N/A	> 35.3 dB	5.5 dB
7,8-5,4	DH	OK	52.1 dB @ 226.50MHz	N/A	> 36.0 dB	16.1 dB
7,8-1,2	DH	OK	61.3 dB @ 204.50MHz	N/A	> 36.7 dB	24.6 dB
3,6-5,4	DH	OK	53.2 dB @ 55.50MHz	N/A	> 45.9 dB	7.3 dB
3,6-1,2	DH	OK	46.4 dB @ 244.50MHz	N/A	> 35.5 dB	10.9 dB
5,4-1,2	DH	OK	48.7 dB @ 206.50MHz	N/A	> 36.7 dB	12.0 dB
7,8-3,6	RH	OK	46.8 dB @ 234.50MHz	N/A	> 35.8 dB	11.0 dB
7,8-5,4	RH	OK	45.3 dB @ 226.50MHz	N/A	> 36.0 dB	9.3 dB
7,8-1,2	RH	OK	54.2 dB @ 205.00MHz	N/A	> 36.7 dB	17.5 dB
3,6-5,4	RH	OK	52.3 dB @ 222.00MHz	N/A	> 36.2 dB	16.1 dB
3,6-1,2	RH	OK	45.1 dB @ 236.50MHz	N/A	> 35.7 dB	9.4 dB
5,4-1,2	RH	OK	50.3 dB @ 206.50MHz	N/A	> 36.7 dB	13.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.6 dB @ 222.50MHz	N/A	> 10.5 dB	6.1 dB
3,6	DH	OK	16.1 dB @ 229.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	DH	OK	17.5 dB @ 235.00MHz	N/A	> 10.3 dB	7.2 dB
1,2	DH	OK	18.4 dB @ 218.50MHz	N/A	> 10.6 dB	7.8 dB
7,8	RH	OK	15.0 dB @ 222.50MHz	N/A	> 10.5 dB	4.5 dB
3,6	RH	OK	15.8 dB @ 231.50MHz	N/A	> 10.3 dB	5.5 dB
5,4	RH	OK	18.1 dB @ 227.00MHz	N/A	> 10.4 dB	7.7 dB
1,2	RH	OK	16.3 dB @ 227.00MHz	N/A	> 10.4 dB	5.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.5 dB @ 247.50MHz	N/A	< 31.0 dB	16.5 dB
3,6	OK	15.4 dB @ 227.50MHz	N/A	< 29.5 dB	14.1 dB
5,4	OK	15.1 dB @ 241.50MHz	N/A	< 30.5 dB	15.4 dB
1,2	OK	14.3 dB @ 250.00MHz	N/A	< 31.2 dB	16.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.5 dB @ 247.50MHz	N/A	>= 4.4 dB	22.1 dB
3,6	DH	OK	25.9 dB @ 244.50MHz	N/A	>= 4.8 dB	21.1 dB
5,4	DH	OK	34.0 dB @ 246.50MHz	N/A	>= 4.5 dB	29.5 dB
1,2	DH	OK	32.9 dB @ 244.00MHz	N/A	>= 4.8 dB	28.1 dB
7,8	RH	OK	31.8 dB @ 226.50MHz	N/A	>= 6.6 dB	25.2 dB
3,6	RH	OK	30.3 dB @ 236.50MHz	N/A	>= 5.5 dB	24.8 dB
5,4	RH	OK	31.1 dB @ 226.50MHz	N/A	>= 6.6 dB	24.5 dB
1,2	RH	OK	31.7 dB @ 236.50MHz	N/A	>= 5.5 dB	26.2 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0064  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 10:59:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.9 dB @ 227.50MHz	N/A	> 17.0 dB	14.9 dB
7,8-5,4	DH	OK	40.9 dB @ 223.50MHz	N/A	> 17.2 dB	23.7 dB
7,8-1,2	DH	OK	41.3 dB @ 250.00MHz	N/A	> 16.2 dB	25.1 dB
3,6-7,8	DH	OK	33.1 dB @ 231.00MHz	N/A	> 16.9 dB	16.2 dB
3,6-5,4	DH	OK	35.4 dB @ 207.00MHz	N/A	> 17.8 dB	17.6 dB
3,6-1,2	DH	OK	40.5 dB @ 172.00MHz	N/A	> 19.4 dB	21.1 dB
5,4-7,8	DH	OK	41.2 dB @ 223.50MHz	N/A	> 17.2 dB	24.0 dB
5,4-3,6	DH	OK	34.3 dB @ 227.50MHz	N/A	> 17.0 dB	17.3 dB
5,4-1,2	DH	OK	39.9 dB @ 191.50MHz	N/A	> 18.5 dB	21.4 dB
1,2-7,8	DH	OK	40.0 dB @ 250.00MHz	N/A	> 16.2 dB	23.8 dB
1,2-3,6	DH	OK	37.1 dB @ 227.50MHz	N/A	> 17.0 dB	20.1 dB
1,2-5,4	DH	OK	38.5 dB @ 188.00MHz	N/A	> 18.7 dB	19.8 dB
7,8-3,6	RH	OK	33.1 dB @ 226.00MHz	N/A	> 17.1 dB	16.0 dB
7,8-5,4	RH	OK	41.6 dB @ 222.50MHz	N/A	> 17.2 dB	24.4 dB
7,8-1,2	RH	OK	41.2 dB @ 250.00MHz	N/A	> 16.2 dB	25.0 dB
3,6-7,8	RH	OK	31.9 dB @ 227.50MHz	N/A	> 17.0 dB	14.9 dB
3,6-5,4	RH	OK	35.8 dB @ 235.00MHz	N/A	> 16.7 dB	19.1 dB
3,6-1,2	RH	OK	39.7 dB @ 179.00MHz	N/A	> 19.1 dB	20.6 dB
5,4-7,8	RH	OK	40.3 dB @ 223.50MHz	N/A	> 17.2 dB	23.1 dB
5,4-3,6	RH	OK	34.9 dB @ 223.50MHz	N/A	> 17.2 dB	17.7 dB
5,4-1,2	RH	OK	38.9 dB @ 188.00MHz	N/A	> 18.7 dB	20.2 dB
1,2-7,8	RH	OK	40.1 dB @ 250.00MHz	N/A	> 16.2 dB	23.9 dB
1,2-3,6	RH	OK	38.5 dB @ 230.50MHz	N/A	> 16.9 dB	21.6 dB
1,2-5,4	RH	OK	39.3 dB @ 185.00MHz	N/A	> 18.8 dB	20.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.7 dB @ 249.00MHz	N/A	> 32.3 dB	8.4 dB
3,6	DH	OK	39.8 dB @ 246.00MHz	N/A	> 32.4 dB	7.4 dB
5,4	DH	OK	47.7 dB @ 206.50MHz	N/A	> 33.7 dB	14.0 dB
1,2	DH	OK	44.9 dB @ 246.50MHz	N/A	> 32.4 dB	12.5 dB
7,8	RH	OK	43.0 dB @ 226.50MHz	N/A	> 33.0 dB	10.0 dB
3,6	RH	OK	42.7 dB @ 234.00MHz	N/A	> 32.8 dB	9.9 dB
5,4	RH	OK	44.4 dB @ 226.50MHz	N/A	> 33.0 dB	11.4 dB
1,2	RH	OK	44.5 dB @ 236.50MHz	N/A	> 32.7 dB	11.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.4 dB @ 247.50MHz	N/A	>= 1.4 dB	25.0 dB
3,6	DH	OK	24.7 dB @ 244.50MHz	N/A	>= 1.8 dB	22.9 dB
5,4	DH	OK	33.6 dB @ 246.50MHz	N/A	>= 1.5 dB	32.1 dB
1,2	DH	OK	31.4 dB @ 246.00MHz	N/A	>= 1.5 dB	29.9 dB
7,8	RH	OK	29.5 dB @ 226.50MHz	N/A	>= 3.6 dB	25.9 dB
3,6	RH	OK	28.1 dB @ 236.50MHz	N/A	>= 2.5 dB	25.6 dB
5,4	RH	OK	30.2 dB @ 226.50MHz	N/A	>= 3.6 dB	26.6 dB
1,2	RH	OK	31.1 dB @ 236.50MHz	N/A	>= 2.5 dB	28.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.3 dB @ 241.50MHz	N/A	>= 13.5 dB	18.8 dB
3,6	DH	OK	29.1 dB @ 227.50MHz	N/A	>= 14.0 dB	15.1 dB
5,4	DH	OK	33.8 dB @ 207.00MHz	N/A	>= 14.8 dB	19.0 dB
1,2	DH	OK	37.3 dB @ 180.00MHz	N/A	>= 16.1 dB	21.2 dB
7,8	RH	OK	32.3 dB @ 224.50MHz	N/A	>= 14.1 dB	18.2 dB
3,6	RH	OK	30.2 dB @ 227.50MHz	N/A	>= 14.0 dB	16.2 dB
5,4	RH	OK	33.7 dB @ 223.50MHz	N/A	>= 14.2 dB	19.5 dB
1,2	RH	OK	36.5 dB @ 250.00MHz	N/A	>= 13.2 dB	23.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

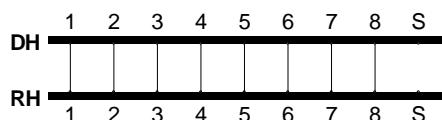
## OK

ID cavo 1: 0065  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:00:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	45.1m	46.2m	47.4m	45.0m	< 90.0m	OK
Ritardo di propag.	223.8ns	229.2ns	234.5ns	223.5ns	< 510.0ns	OK
Diff. t. ritardo	11.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.8 Ohm	99.2 Ohm	98.6 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.0 Ohm	9.5 Ohm	11.1 Ohm	9.2 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.6pF/m	47.9pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	9.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.7 dB @ 238.50MHz	N/A	> 35.7 dB	6.0 dB
7,8-5,4	DH	OK	51.1 dB @ 232.00MHz	N/A	> 35.8 dB	15.3 dB
7,8-1,2	DH	OK	59.7 dB @ 215.50MHz	N/A	> 36.4 dB	23.3 dB
3,6-5,4	DH	OK	54.5 dB @ 121.50MHz	N/A	> 40.4 dB	14.1 dB
3,6-1,2	DH	OK	46.1 dB @ 245.00MHz	N/A	> 35.5 dB	10.6 dB
5,4-1,2	DH	OK	49.2 dB @ 250.00MHz	N/A	> 35.3 dB	13.9 dB
7,8-3,6	RH	OK	46.7 dB @ 229.50MHz	N/A	> 35.9 dB	10.8 dB
7,8-5,4	RH	OK	46.1 dB @ 236.50MHz	N/A	> 35.7 dB	10.4 dB
7,8-1,2	RH	OK	55.5 dB @ 216.00MHz	N/A	> 36.4 dB	19.1 dB
3,6-5,4	RH	OK	51.0 dB @ 232.00MHz	N/A	> 35.8 dB	15.2 dB
3,6-1,2	RH	OK	46.5 dB @ 230.50MHz	N/A	> 35.9 dB	10.6 dB
5,4-1,2	RH	OK	51.3 dB @ 207.00MHz	N/A	> 36.7 dB	14.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.7 dB @ 226.50MHz	N/A	> 10.4 dB	7.3 dB
3,6	DH	OK	16.4 dB @ 228.50MHz	N/A	> 10.4 dB	6.0 dB
5,4	DH	OK	17.3 dB @ 232.00MHz	N/A	> 10.3 dB	7.0 dB
1,2	DH	OK	17.4 dB @ 219.00MHz	N/A	> 10.6 dB	6.8 dB
7,8	RH	OK	15.9 dB @ 164.50MHz	N/A	> 11.8 dB	4.1 dB
3,6	RH	OK	16.7 dB @ 163.50MHz	N/A	> 11.9 dB	4.8 dB
5,4	RH	OK	17.7 dB @ 232.50MHz	N/A	> 10.3 dB	7.4 dB
1,2	RH	OK	14.7 dB @ 219.50MHz	N/A	> 10.6 dB	4.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.5 dB @ 249.50MHz	N/A	< 31.1 dB	16.6 dB
3,6	OK	14.7 dB @ 240.50MHz	N/A	< 30.4 dB	15.7 dB
5,4	OK	14.7 dB @ 232.50MHz	N/A	< 29.9 dB	15.2 dB
1,2	OK	13.6 dB @ 237.00MHz	N/A	< 30.2 dB	16.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.8 dB @ 236.50MHz	N/A	>= 5.5 dB	22.3 dB
3,6	DH	OK	27.5 dB @ 237.00MHz	N/A	>= 5.5 dB	22.0 dB
5,4	DH	OK	34.9 dB @ 250.00MHz	N/A	>= 4.1 dB	30.8 dB
1,2	DH	OK	33.0 dB @ 245.00MHz	N/A	>= 4.7 dB	28.3 dB
7,8	RH	OK	31.8 dB @ 236.50MHz	N/A	>= 5.5 dB	26.3 dB
3,6	RH	OK	32.2 dB @ 228.00MHz	N/A	>= 6.5 dB	25.7 dB
5,4	RH	OK	32.0 dB @ 236.50MHz	N/A	>= 5.5 dB	26.5 dB
1,2	RH	OK	33.8 dB @ 230.50MHz	N/A	>= 6.2 dB	27.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0065  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:00:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.5 dB @ 228.00MHz	N/A	> 17.0 dB	14.5 dB
7,8-5,4	DH	OK	31.0 dB @ 223.00MHz	N/A	> 17.2 dB	13.8 dB
7,8-1,2	DH	OK	42.3 dB @ 223.00MHz	N/A	> 17.2 dB	25.1 dB
3,6-7,8	DH	OK	32.0 dB @ 234.00MHz	N/A	> 16.8 dB	15.2 dB
3,6-5,4	DH	OK	31.2 dB @ 232.50MHz	N/A	> 16.8 dB	14.4 dB
3,6-1,2	DH	OK	40.1 dB @ 223.00MHz	N/A	> 17.2 dB	22.9 dB
5,4-7,8	DH	OK	41.1 dB @ 222.00MHz	N/A	> 17.2 dB	23.9 dB
5,4-3,6	DH	OK	31.3 dB @ 228.00MHz	N/A	> 17.0 dB	14.3 dB
5,4-1,2	DH	OK	41.6 dB @ 181.00MHz	N/A	> 19.0 dB	22.6 dB
1,2-7,8	DH	OK	42.0 dB @ 249.50MHz	N/A	> 16.2 dB	25.8 dB
1,2-3,6	DH	OK	36.5 dB @ 223.00MHz	N/A	> 17.2 dB	19.3 dB
1,2-5,4	DH	OK	31.9 dB @ 223.00MHz	N/A	> 17.2 dB	14.7 dB
7,8-3,6	RH	OK	32.3 dB @ 236.50MHz	N/A	> 16.7 dB	15.6 dB
7,8-5,4	RH	OK	31.9 dB @ 223.00MHz	N/A	> 17.2 dB	14.7 dB
7,8-1,2	RH	OK	41.8 dB @ 249.50MHz	N/A	> 16.2 dB	25.6 dB
3,6-7,8	RH	OK	31.1 dB @ 231.00MHz	N/A	> 16.9 dB	14.2 dB
3,6-5,4	RH	OK	30.9 dB @ 229.00MHz	N/A	> 17.0 dB	13.9 dB
3,6-1,2	RH	OK	39.1 dB @ 223.00MHz	N/A	> 17.2 dB	21.9 dB
5,4-7,8	RH	OK	40.4 dB @ 224.50MHz	N/A	> 17.1 dB	23.3 dB
5,4-3,6	RH	OK	31.3 dB @ 232.50MHz	N/A	> 16.8 dB	14.5 dB
5,4-1,2	RH	OK	41.0 dB @ 182.50MHz	N/A	> 18.9 dB	22.1 dB
1,2-7,8	RH	OK	43.3 dB @ 249.50MHz	N/A	> 16.2 dB	27.1 dB
1,2-3,6	RH	OK	37.5 dB @ 223.00MHz	N/A	> 17.2 dB	20.3 dB
1,2-5,4	RH	OK	33.0 dB @ 223.00MHz	N/A	> 17.2 dB	15.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.5 dB @ 232.00MHz	N/A	> 32.8 dB	8.7 dB
3,6	DH	OK	40.7 dB @ 237.50MHz	N/A	> 32.7 dB	8.0 dB
5,4	DH	OK	48.5 dB @ 250.00MHz	N/A	> 32.3 dB	16.2 dB
1,2	DH	OK	44.6 dB @ 250.00MHz	N/A	> 32.3 dB	12.3 dB
7,8	RH	OK	43.5 dB @ 237.00MHz	N/A	> 32.7 dB	10.8 dB
3,6	RH	OK	43.7 dB @ 230.00MHz	N/A	> 32.9 dB	10.8 dB
5,4	RH	OK	45.0 dB @ 236.50MHz	N/A	> 32.7 dB	12.3 dB
1,2	RH	OK	46.1 dB @ 230.50MHz	N/A	> 32.9 dB	13.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.7 dB @ 236.50MHz	N/A	>= 2.5 dB	25.2 dB
3,6	DH	OK	26.4 dB @ 250.00MHz	N/A	>= 1.1 dB	25.3 dB
5,4	DH	OK	34.2 dB @ 249.50MHz	N/A	>= 1.2 dB	33.0 dB
1,2	DH	OK	31.5 dB @ 249.50MHz	N/A	>= 1.2 dB	30.3 dB
7,8	RH	OK	29.2 dB @ 236.50MHz	N/A	>= 2.5 dB	26.7 dB
3,6	RH	OK	29.7 dB @ 228.00MHz	N/A	>= 3.5 dB	26.2 dB
5,4	RH	OK	30.9 dB @ 236.50MHz	N/A	>= 2.5 dB	28.4 dB
1,2	RH	OK	33.4 dB @ 230.50MHz	N/A	>= 3.2 dB	30.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.3 dB @ 223.00MHz	N/A	>= 14.2 dB	17.1 dB
3,6	DH	OK	28.2 dB @ 228.00MHz	N/A	>= 14.0 dB	14.2 dB
5,4	DH	OK	27.2 dB @ 223.00MHz	N/A	>= 14.2 dB	13.0 dB
1,2	DH	OK	36.8 dB @ 223.00MHz	N/A	>= 14.2 dB	22.6 dB
7,8	RH	OK	30.3 dB @ 223.00MHz	N/A	>= 14.2 dB	16.1 dB
3,6	RH	OK	28.1 dB @ 231.00MHz	N/A	>= 13.9 dB	14.2 dB
5,4	RH	OK	30.9 dB @ 232.50MHz	N/A	>= 13.8 dB	17.1 dB
1,2	RH	OK	31.3 dB @ 223.00MHz	N/A	>= 14.2 dB	17.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0066  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:02:10  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	45.0m	46.3m	47.5m	44.9m	< 90.0m	OK
Ritardo di propag.	223.7ns	229.4ns	235.1ns	223.2ns	< 510.0ns	OK
Diff. t. ritardo	11.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.3 Ohm	98.6 Ohm	96.2 Ohm	101.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.9 Ohm	9.5 Ohm	10.7 Ohm	9.4 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.8pF/m	49.1pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	7.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.4 dB @ 250.00MHz	N/A	> 35.3 dB	6.1 dB
7,8-5,4	DH	OK	53.3 dB @ 173.00MHz	N/A	> 37.9 dB	15.4 dB
7,8-1,2	DH	OK	57.7 dB @ 192.00MHz	N/A	> 37.2 dB	20.5 dB
3,6-5,4	DH	OK	53.1 dB @ 232.00MHz	N/A	> 35.8 dB	17.3 dB
3,6-1,2	DH	OK	46.8 dB @ 245.50MHz	N/A	> 35.4 dB	11.4 dB
5,4-1,2	DH	OK	47.8 dB @ 249.00MHz	N/A	> 35.3 dB	12.5 dB
7,8-3,6	RH	OK	47.3 dB @ 247.50MHz	N/A	> 35.4 dB	11.9 dB
7,8-5,4	RH	OK	45.7 dB @ 231.00MHz	N/A	> 35.9 dB	9.8 dB
7,8-1,2	RH	OK	52.6 dB @ 249.00MHz	N/A	> 35.3 dB	17.3 dB
3,6-5,4	RH	OK	49.8 dB @ 232.00MHz	N/A	> 35.8 dB	14.0 dB
3,6-1,2	RH	OK	49.4 dB @ 194.50MHz	N/A	> 37.1 dB	12.3 dB
5,4-1,2	RH	OK	49.4 dB @ 250.00MHz	N/A	> 35.3 dB	14.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.3 dB @ 226.50MHz	N/A	> 10.4 dB	3.9 dB
3,6	DH	OK	16.6 dB @ 223.50MHz	N/A	> 10.5 dB	6.1 dB
5,4	DH	OK	17.6 dB @ 232.50MHz	N/A	> 10.3 dB	7.3 dB
1,2	DH	OK	14.3 dB @ 229.00MHz	N/A	> 10.4 dB	3.9 dB
7,8	RH	OK	14.9 dB @ 224.00MHz	N/A	> 10.5 dB	4.4 dB
3,6	RH	OK	16.9 dB @ 219.00MHz	N/A	> 10.6 dB	6.3 dB
5,4	RH	OK	17.2 dB @ 232.50MHz	N/A	> 10.3 dB	6.9 dB
1,2	RH	OK	15.5 dB @ 221.50MHz	N/A	> 10.5 dB	5.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.2 dB @ 247.50MHz	N/A	< 31.0 dB	16.8 dB
3,6	OK	15.3 dB @ 250.00MHz	N/A	< 31.2 dB	15.9 dB
5,4	OK	15.6 dB @ 249.00MHz	N/A	< 31.1 dB	15.5 dB
1,2	OK	14.4 dB @ 238.00MHz	N/A	< 30.3 dB	15.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.6 dB @ 250.00MHz	N/A	>= 4.1 dB	23.5 dB
3,6	DH	OK	26.1 dB @ 250.00MHz	N/A	>= 4.1 dB	22.0 dB
5,4	DH	OK	32.2 dB @ 249.00MHz	N/A	>= 4.2 dB	28.0 dB
1,2	DH	OK	33.4 dB @ 245.50MHz	N/A	>= 4.6 dB	28.8 dB
7,8	RH	OK	32.2 dB @ 230.00MHz	N/A	>= 6.2 dB	26.0 dB
3,6	RH	OK	32.4 dB @ 250.00MHz	N/A	>= 4.1 dB	28.3 dB
5,4	RH	OK	31.2 dB @ 232.00MHz	N/A	>= 6.0 dB	25.2 dB
1,2	RH	OK	35.1 dB @ 238.00MHz	N/A	>= 5.4 dB	29.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0066  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:02:10  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.7 dB @ 226.50MHz	N/A	> 17.1 dB	15.6 dB
7,8-5,4	DH	OK	38.6 dB @ 226.50MHz	N/A	> 17.1 dB	21.5 dB
7,8-1,2	DH	OK	46.9 dB @ 250.00MHz	N/A	> 16.2 dB	30.7 dB
3,6-7,8	DH	OK	33.6 dB @ 226.00MHz	N/A	> 17.1 dB	16.5 dB
3,6-5,4	DH	OK	29.3 dB @ 239.50MHz	N/A	> 16.6 dB	12.7 dB
3,6-1,2	DH	OK	39.7 dB @ 238.00MHz	N/A	> 16.6 dB	23.1 dB
5,4-7,8	DH	OK	38.8 dB @ 226.00MHz	N/A	> 17.1 dB	21.7 dB
5,4-3,6	DH	OK	30.4 dB @ 250.00MHz	N/A	> 16.2 dB	14.2 dB
5,4-1,2	DH	OK	39.4 dB @ 250.00MHz	N/A	> 16.2 dB	23.2 dB
1,2-7,8	DH	OK	46.6 dB @ 247.50MHz	N/A	> 16.3 dB	30.3 dB
1,2-3,6	DH	OK	39.3 dB @ 229.00MHz	N/A	> 17.0 dB	22.3 dB
1,2-5,4	DH	OK	36.1 dB @ 249.00MHz	N/A	> 16.2 dB	19.9 dB
7,8-3,6	RH	OK	33.2 dB @ 226.00MHz	N/A	> 17.1 dB	16.1 dB
7,8-5,4	RH	OK	39.7 dB @ 227.00MHz	N/A	> 17.0 dB	22.7 dB
7,8-1,2	RH	OK	46.6 dB @ 250.00MHz	N/A	> 16.2 dB	30.4 dB
3,6-7,8	RH	OK	33.2 dB @ 226.50MHz	N/A	> 17.1 dB	16.1 dB
3,6-5,4	RH	OK	29.8 dB @ 229.00MHz	N/A	> 17.0 dB	12.8 dB
3,6-1,2	RH	OK	38.9 dB @ 250.00MHz	N/A	> 16.2 dB	22.7 dB
5,4-7,8	RH	OK	37.6 dB @ 226.50MHz	N/A	> 17.1 dB	20.5 dB
5,4-3,6	RH	OK	29.8 dB @ 249.00MHz	N/A	> 16.2 dB	13.6 dB
5,4-1,2	RH	OK	37.4 dB @ 249.00MHz	N/A	> 16.2 dB	21.2 dB
1,2-7,8	RH	OK	46.7 dB @ 238.00MHz	N/A	> 16.6 dB	30.1 dB
1,2-3,6	RH	OK	39.6 dB @ 229.00MHz	N/A	> 17.0 dB	22.6 dB
1,2-5,4	RH	OK	38.1 dB @ 250.00MHz	N/A	> 16.2 dB	21.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 250.00MHz	N/A	> 32.3 dB	9.0 dB
3,6	DH	OK	40.5 dB @ 250.00MHz	N/A	> 32.3 dB	8.2 dB
5,4	DH	OK	47.3 dB @ 249.50MHz	N/A	> 32.3 dB	15.0 dB
1,2	DH	OK	44.9 dB @ 245.50MHz	N/A	> 32.4 dB	12.5 dB
7,8	RH	OK	44.1 dB @ 247.50MHz	N/A	> 32.4 dB	11.7 dB
3,6	RH	OK	45.6 dB @ 250.00MHz	N/A	> 32.3 dB	13.3 dB
5,4	RH	OK	44.1 dB @ 232.00MHz	N/A	> 32.8 dB	11.3 dB
1,2	RH	OK	46.1 dB @ 250.00MHz	N/A	> 32.3 dB	13.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.5 dB @ 250.00MHz	N/A	>= 1.1 dB	26.4 dB
3,6	DH	OK	25.2 dB @ 250.00MHz	N/A	>= 1.1 dB	24.1 dB
5,4	DH	OK	31.7 dB @ 249.00MHz	N/A	>= 1.2 dB	30.5 dB
1,2	DH	OK	31.5 dB @ 245.50MHz	N/A	>= 1.6 dB	29.9 dB
7,8	RH	OK	29.9 dB @ 247.50MHz	N/A	>= 1.4 dB	28.5 dB
3,6	RH	OK	30.3 dB @ 250.00MHz	N/A	>= 1.1 dB	29.2 dB
5,4	RH	OK	29.5 dB @ 232.00MHz	N/A	>= 3.0 dB	26.5 dB
1,2	RH	OK	32.6 dB @ 250.00MHz	N/A	>= 1.1 dB	31.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.3 dB @ 226.00MHz	N/A	>= 14.1 dB	18.2 dB
3,6	DH	OK	28.3 dB @ 250.00MHz	N/A	>= 13.2 dB	15.1 dB
5,4	DH	OK	28.3 dB @ 249.00MHz	N/A	>= 13.2 dB	15.1 dB
1,2	DH	OK	36.5 dB @ 250.00MHz	N/A	>= 13.2 dB	23.3 dB
7,8	RH	OK	32.2 dB @ 226.00MHz	N/A	>= 14.1 dB	18.1 dB
3,6	RH	OK	28.0 dB @ 229.00MHz	N/A	>= 14.0 dB	14.0 dB
5,4	RH	OK	28.6 dB @ 249.00MHz	N/A	>= 13.2 dB	15.4 dB
1,2	RH	OK	36.3 dB @ 250.00MHz	N/A	>= 13.2 dB	23.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0067  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:03:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	54.2m	55.5m	56.8m	54.1m	< 90.0m	OK
Ritardo di propag.	265.9ns	272.3ns	278.0ns	265.4ns	< 510.0ns	OK
Diff. t. ritardo	12.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.5 Ohm	99.1 Ohm	98.4 Ohm	101.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.3 Ohm	10.8 Ohm	12.1 Ohm	10.8 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.6pF/m	48.0pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	8.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.8 dB @ 246.50MHz	N/A	> 35.4 dB	6.4 dB
7,8-5,4	DH	OK	52.4 dB @ 186.00MHz	N/A	> 37.4 dB	15.0 dB
7,8-1,2	DH	OK	61.2 dB @ 229.50MHz	N/A	> 35.9 dB	25.3 dB
3,6-5,4	DH	OK	53.8 dB @ 229.00MHz	N/A	> 35.9 dB	17.9 dB
3,6-1,2	DH	OK	46.1 dB @ 235.00MHz	N/A	> 35.8 dB	10.3 dB
5,4-1,2	DH	OK	49.3 dB @ 247.00MHz	N/A	> 35.4 dB	13.9 dB
7,8-3,6	RH	OK	46.4 dB @ 244.50MHz	N/A	> 35.5 dB	10.9 dB
7,8-5,4	RH	OK	46.5 dB @ 236.50MHz	N/A	> 35.7 dB	10.8 dB
7,8-1,2	RH	OK	47.7 dB @ 247.50MHz	N/A	> 35.4 dB	12.3 dB
3,6-5,4	RH	OK	49.6 dB @ 232.50MHz	N/A	> 35.8 dB	13.8 dB
3,6-1,2	RH	OK	48.1 dB @ 229.50MHz	N/A	> 35.9 dB	12.2 dB
5,4-1,2	RH	OK	53.5 dB @ 189.50MHz	N/A	> 37.3 dB	16.2 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.5 dB @ 221.00MHz	N/A	> 10.5 dB	6.0 dB
3,6	DH	OK	16.4 dB @ 224.50MHz	N/A	> 10.5 dB	5.9 dB
5,4	DH	OK	17.7 dB @ 235.00MHz	N/A	> 10.3 dB	7.4 dB
1,2	DH	OK	18.1 dB @ 226.00MHz	N/A	> 10.4 dB	7.7 dB
7,8	RH	OK	14.5 dB @ 223.50MHz	N/A	> 10.5 dB	4.0 dB
3,6	RH	OK	15.7 dB @ 216.50MHz	N/A	> 10.6 dB	5.1 dB
5,4	RH	OK	17.6 dB @ 236.50MHz	N/A	> 10.3 dB	7.3 dB
1,2	RH	OK	15.5 dB @ 220.00MHz	N/A	> 10.6 dB	4.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	18.5 dB @ 241.50MHz	N/A	< 30.5 dB	12.0 dB
3,6	OK	18.2 dB @ 239.50MHz	N/A	< 30.4 dB	12.2 dB
5,4	OK	18.1 dB @ 242.50MHz	N/A	< 30.6 dB	12.5 dB
1,2	OK	17.2 dB @ 244.00MHz	N/A	< 30.7 dB	13.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	23.8 dB @ 241.50MHz	N/A	>= 5.1 dB	18.7 dB
3,6	DH	OK	24.1 dB @ 246.50MHz	N/A	>= 4.5 dB	19.6 dB
5,4	DH	OK	31.6 dB @ 247.00MHz	N/A	>= 4.5 dB	27.1 dB
1,2	DH	OK	29.5 dB @ 236.00MHz	N/A	>= 5.6 dB	23.9 dB
7,8	RH	OK	28.9 dB @ 244.00MHz	N/A	>= 4.8 dB	24.1 dB
3,6	RH	OK	28.9 dB @ 244.00MHz	N/A	>= 4.8 dB	24.1 dB
5,4	RH	OK	29.1 dB @ 237.00MHz	N/A	>= 5.5 dB	23.6 dB
1,2	RH	OK	30.9 dB @ 247.50MHz	N/A	>= 4.4 dB	26.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0067  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:03:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.6 dB @ 221.00MHz	N/A	> 17.3 dB	16.3 dB
7,8-5,4	DH	OK	44.0 dB @ 195.00MHz	N/A	> 18.4 dB	25.6 dB
7,8-1,2	DH	OK	41.5 dB @ 249.50MHz	N/A	> 16.2 dB	25.3 dB
3,6-7,8	DH	OK	34.5 dB @ 216.50MHz	N/A	> 17.5 dB	17.0 dB
3,6-5,4	DH	OK	32.3 dB @ 229.50MHz	N/A	> 16.9 dB	15.4 dB
3,6-1,2	DH	OK	41.4 dB @ 234.50MHz	N/A	> 16.8 dB	24.6 dB
5,4-7,8	DH	OK	42.9 dB @ 213.50MHz	N/A	> 17.6 dB	25.3 dB
5,4-3,6	DH	OK	32.0 dB @ 227.50MHz	N/A	> 17.0 dB	15.0 dB
5,4-1,2	DH	OK	37.7 dB @ 227.50MHz	N/A	> 17.0 dB	20.7 dB
1,2-7,8	DH	OK	41.8 dB @ 229.00MHz	N/A	> 17.0 dB	24.8 dB
1,2-3,6	DH	OK	40.3 dB @ 227.50MHz	N/A	> 17.0 dB	23.3 dB
1,2-5,4	DH	OK	36.0 dB @ 237.00MHz	N/A	> 16.7 dB	19.3 dB
7,8-3,6	RH	OK	34.1 dB @ 221.00MHz	N/A	> 17.3 dB	16.8 dB
7,8-5,4	RH	OK	44.5 dB @ 195.00MHz	N/A	> 18.4 dB	26.1 dB
7,8-1,2	RH	OK	41.3 dB @ 249.50MHz	N/A	> 16.2 dB	25.1 dB
3,6-7,8	RH	OK	33.9 dB @ 216.50MHz	N/A	> 17.5 dB	16.4 dB
3,6-5,4	RH	OK	31.9 dB @ 227.50MHz	N/A	> 17.0 dB	14.9 dB
3,6-1,2	RH	OK	39.9 dB @ 235.00MHz	N/A	> 16.7 dB	23.2 dB
5,4-7,8	RH	OK	42.7 dB @ 206.50MHz	N/A	> 17.9 dB	24.8 dB
5,4-3,6	RH	OK	32.4 dB @ 228.50MHz	N/A	> 17.0 dB	15.4 dB
5,4-1,2	RH	OK	36.5 dB @ 229.50MHz	N/A	> 16.9 dB	19.6 dB
1,2-7,8	RH	OK	42.8 dB @ 233.00MHz	N/A	> 16.8 dB	26.0 dB
1,2-3,6	RH	OK	41.5 dB @ 226.00MHz	N/A	> 17.1 dB	24.4 dB
1,2-5,4	RH	OK	37.2 dB @ 241.50MHz	N/A	> 16.5 dB	20.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.7 dB @ 246.50MHz	N/A	> 32.4 dB	9.3 dB
3,6	DH	OK	40.6 dB @ 246.50MHz	N/A	> 32.4 dB	8.2 dB
5,4	DH	OK	48.6 dB @ 247.00MHz	N/A	> 32.4 dB	16.2 dB
1,2	DH	OK	45.0 dB @ 246.50MHz	N/A	> 32.4 dB	12.6 dB
7,8	RH	OK	43.3 dB @ 246.50MHz	N/A	> 32.4 dB	10.9 dB
3,6	RH	OK	44.1 dB @ 239.50MHz	N/A	> 32.6 dB	11.5 dB
5,4	RH	OK	44.7 dB @ 236.50MHz	N/A	> 32.7 dB	12.0 dB
1,2	RH	OK	45.9 dB @ 249.50MHz	N/A	> 32.3 dB	13.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.7 dB @ 241.50MHz	N/A	>= 2.1 dB	21.6 dB
3,6	DH	OK	22.9 dB @ 246.50MHz	N/A	>= 1.5 dB	21.4 dB
5,4	DH	OK	30.9 dB @ 247.00MHz	N/A	>= 1.5 dB	29.4 dB
1,2	DH	OK	28.5 dB @ 246.50MHz	N/A	>= 1.5 dB	27.0 dB
7,8	RH	OK	25.9 dB @ 241.50MHz	N/A	>= 2.1 dB	23.8 dB
3,6	RH	OK	25.9 dB @ 239.50MHz	N/A	>= 2.2 dB	23.7 dB
5,4	RH	OK	27.3 dB @ 237.00MHz	N/A	>= 2.5 dB	24.8 dB
1,2	RH	OK	29.1 dB @ 249.00MHz	N/A	>= 1.2 dB	27.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.3 dB @ 216.50MHz	N/A	>= 14.5 dB	18.8 dB
3,6	DH	OK	29.4 dB @ 228.00MHz	N/A	>= 14.0 dB	15.4 dB
5,4	DH	OK	30.9 dB @ 229.50MHz	N/A	>= 13.9 dB	17.0 dB
1,2	DH	OK	35.6 dB @ 227.50MHz	N/A	>= 14.0 dB	21.6 dB
7,8	RH	OK	33.4 dB @ 221.00MHz	N/A	>= 14.3 dB	19.1 dB
3,6	RH	OK	29.7 dB @ 227.50MHz	N/A	>= 14.0 dB	15.7 dB
5,4	RH	OK	30.9 dB @ 228.50MHz	N/A	>= 14.0 dB	16.9 dB
1,2	RH	OK	35.3 dB @ 236.00MHz	N/A	>= 13.7 dB	21.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0068  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:04:17  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	54.1m	55.4m	56.7m	53.9m	< 90.0m	OK
Ritardo di propag.	265.6ns	271.8ns	277.6ns	264.9ns	< 510.0ns	OK
Diff. t. ritardo	12.7ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.2 Ohm	99.1 Ohm	98.3 Ohm	101.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.3 Ohm	10.9 Ohm	12.1 Ohm	10.5 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.6pF/m	48.0pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	10.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.6 dB @ 230.00MHz	N/A	> 35.9 dB	5.7 dB
7,8-5,4	DH	OK	54.1 dB @ 186.50MHz	N/A	> 37.4 dB	16.7 dB
7,8-1,2	DH	OK	59.0 dB @ 213.00MHz	N/A	> 36.5 dB	22.5 dB
3,6-5,4	DH	OK	52.5 dB @ 229.00MHz	N/A	> 35.9 dB	16.6 dB
3,6-1,2	DH	OK	45.6 dB @ 241.50MHz	N/A	> 35.6 dB	10.0 dB
5,4-1,2	DH	OK	49.2 dB @ 245.00MHz	N/A	> 35.5 dB	13.7 dB
7,8-3,6	RH	OK	44.3 dB @ 235.00MHz	N/A	> 35.8 dB	8.5 dB
7,8-5,4	RH	OK	42.9 dB @ 241.50MHz	N/A	> 35.6 dB	7.3 dB
7,8-1,2	RH	OK	55.3 dB @ 174.00MHz	N/A	> 37.9 dB	17.4 dB
3,6-5,4	RH	OK	53.0 dB @ 239.00MHz	N/A	> 35.6 dB	17.4 dB
3,6-1,2	RH	OK	46.5 dB @ 229.50MHz	N/A	> 35.9 dB	10.6 dB
5,4-1,2	RH	OK	50.2 dB @ 250.00MHz	N/A	> 35.3 dB	14.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 219.50MHz	N/A	> 10.6 dB	5.5 dB
3,6	DH	OK	16.3 dB @ 231.00MHz	N/A	> 10.4 dB	5.9 dB
5,4	DH	OK	18.0 dB @ 233.50MHz	N/A	> 10.3 dB	7.7 dB
1,2	DH	OK	16.5 dB @ 220.50MHz	N/A	> 10.6 dB	5.9 dB
7,8	RH	OK	16.8 dB @ 225.50MHz	N/A	> 10.5 dB	6.3 dB
3,6	RH	OK	15.6 dB @ 168.00MHz	N/A	> 11.7 dB	3.9 dB
5,4	RH	OK	18.1 dB @ 237.00MHz	N/A	> 10.2 dB	7.9 dB
1,2	RH	OK	14.4 dB @ 218.00MHz	N/A	> 10.6 dB	3.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.3 dB @ 249.50MHz	N/A	< 31.1 dB	13.8 dB
3,6	OK	17.8 dB @ 250.00MHz	N/A	< 31.2 dB	13.4 dB
5,4	OK	17.9 dB @ 246.50MHz	N/A	< 30.9 dB	13.0 dB
1,2	OK	17.2 dB @ 248.00MHz	N/A	< 31.0 dB	13.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.2 dB @ 230.00MHz	N/A	>= 6.2 dB	19.0 dB
3,6	DH	OK	24.9 dB @ 230.00MHz	N/A	>= 6.2 dB	18.7 dB
5,4	DH	OK	31.7 dB @ 244.50MHz	N/A	>= 4.8 dB	26.9 dB
1,2	DH	OK	29.2 dB @ 241.50MHz	N/A	>= 5.1 dB	24.1 dB
7,8	RH	OK	26.2 dB @ 236.50MHz	N/A	>= 5.5 dB	20.7 dB
3,6	RH	OK	27.2 dB @ 234.50MHz	N/A	>= 5.8 dB	21.4 dB
5,4	RH	OK	25.4 dB @ 241.50MHz	N/A	>= 5.1 dB	20.3 dB
1,2	RH	OK	30.7 dB @ 229.50MHz	N/A	>= 6.3 dB	24.4 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0068  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:04:17  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	29.7 dB @ 229.00MHz	N/A	> 17.0 dB	12.7 dB
7,8-5,4	DH	OK	39.9 dB @ 212.00MHz	N/A	> 17.6 dB	22.3 dB
7,8-1,2	DH	OK	48.5 dB @ 249.50MHz	N/A	> 16.2 dB	32.3 dB
3,6-7,8	DH	OK	30.5 dB @ 208.00MHz	N/A	> 17.8 dB	12.7 dB
3,6-5,4	DH	OK	35.3 dB @ 227.50MHz	N/A	> 17.0 dB	18.3 dB
3,6-1,2	DH	OK	41.9 dB @ 220.00MHz	N/A	> 17.3 dB	24.6 dB
5,4-7,8	DH	OK	40.0 dB @ 209.50MHz	N/A	> 17.7 dB	22.3 dB
5,4-3,6	DH	OK	34.9 dB @ 229.00MHz	N/A	> 17.0 dB	17.9 dB
5,4-1,2	DH	OK	39.9 dB @ 230.50MHz	N/A	> 16.9 dB	23.0 dB
1,2-7,8	DH	OK	43.3 dB @ 250.00MHz	N/A	> 16.2 dB	27.1 dB
1,2-3,6	DH	OK	39.8 dB @ 229.00MHz	N/A	> 17.0 dB	22.8 dB
1,2-5,4	DH	OK	37.3 dB @ 232.00MHz	N/A	> 16.9 dB	20.4 dB
7,8-3,6	RH	OK	30.3 dB @ 225.50MHz	N/A	> 17.1 dB	13.2 dB
7,8-5,4	RH	OK	40.3 dB @ 208.00MHz	N/A	> 17.8 dB	22.5 dB
7,8-1,2	RH	OK	48.0 dB @ 249.50MHz	N/A	> 16.2 dB	31.8 dB
3,6-7,8	RH	OK	30.2 dB @ 208.50MHz	N/A	> 17.8 dB	12.4 dB
3,6-5,4	RH	OK	35.2 dB @ 229.00MHz	N/A	> 17.0 dB	18.2 dB
3,6-1,2	RH	OK	41.0 dB @ 226.50MHz	N/A	> 17.1 dB	23.9 dB
5,4-7,8	RH	OK	39.7 dB @ 206.00MHz	N/A	> 17.9 dB	21.8 dB
5,4-3,6	RH	OK	35.0 dB @ 222.50MHz	N/A	> 17.2 dB	17.8 dB
5,4-1,2	RH	OK	38.7 dB @ 232.00MHz	N/A	> 16.9 dB	21.8 dB
1,2-7,8	RH	OK	43.8 dB @ 250.00MHz	N/A	> 16.2 dB	27.6 dB
1,2-3,6	RH	OK	41.4 dB @ 222.00MHz	N/A	> 17.2 dB	24.2 dB
1,2-5,4	RH	OK	38.5 dB @ 230.50MHz	N/A	> 16.9 dB	21.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 230.00MHz	N/A	> 32.9 dB	8.5 dB
3,6	DH	OK	40.6 dB @ 230.00MHz	N/A	> 32.9 dB	7.7 dB
5,4	DH	OK	47.9 dB @ 245.50MHz	N/A	> 32.4 dB	15.5 dB
1,2	DH	OK	44.9 dB @ 241.50MHz	N/A	> 32.6 dB	12.3 dB
7,8	RH	OK	40.9 dB @ 235.00MHz	N/A	> 32.8 dB	8.1 dB
3,6	RH	OK	42.9 dB @ 231.00MHz	N/A	> 32.9 dB	10.0 dB
5,4	RH	OK	42.1 dB @ 241.00MHz	N/A	> 32.6 dB	9.5 dB
1,2	RH	OK	45.8 dB @ 229.50MHz	N/A	> 32.9 dB	12.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.0 dB @ 230.00MHz	N/A	>= 3.2 dB	21.8 dB
3,6	DH	OK	23.7 dB @ 234.50MHz	N/A	>= 2.8 dB	20.9 dB
5,4	DH	OK	30.5 dB @ 244.50MHz	N/A	>= 1.8 dB	28.7 dB
1,2	DH	OK	28.5 dB @ 241.50MHz	N/A	>= 2.1 dB	26.4 dB
7,8	RH	OK	24.3 dB @ 233.50MHz	N/A	>= 2.9 dB	21.4 dB
3,6	RH	OK	25.5 dB @ 231.00MHz	N/A	>= 3.1 dB	22.4 dB
5,4	RH	OK	24.7 dB @ 241.50MHz	N/A	>= 2.1 dB	22.6 dB
1,2	RH	OK	30.0 dB @ 229.50MHz	N/A	>= 3.3 dB	26.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.0 dB @ 208.00MHz	N/A	>= 14.8 dB	15.2 dB
3,6	DH	OK	28.2 dB @ 229.00MHz	N/A	>= 14.0 dB	14.2 dB
5,4	DH	OK	32.9 dB @ 232.00MHz	N/A	>= 13.9 dB	19.0 dB
1,2	DH	OK	38.2 dB @ 230.50MHz	N/A	>= 13.9 dB	24.3 dB
7,8	RH	OK	29.9 dB @ 225.50MHz	N/A	>= 14.1 dB	15.8 dB
3,6	RH	OK	29.0 dB @ 226.00MHz	N/A	>= 14.1 dB	14.9 dB
5,4	RH	OK	33.3 dB @ 230.50MHz	N/A	>= 13.9 dB	19.4 dB
1,2	RH	OK	36.7 dB @ 230.50MHz	N/A	>= 13.9 dB	22.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

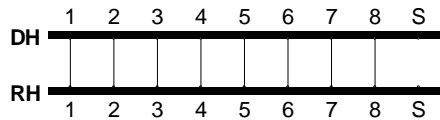
**OK**

ID cavo 1: 0069  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:05:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	53.7m	55.0m	56.6m	53.5m	< 90.0m	OK
Ritardo di propag.	263.8ns	270.0ns	277.1ns	262.6ns	< 510.0ns	OK
Diff. t. ritardo	14.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.2 Ohm	99.5 Ohm	96.8 Ohm	102.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.2 Ohm	10.9 Ohm	11.8 Ohm	10.8 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.5pF/m	48.7pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	9.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.8 dB @ 237.00MHz	N/A	> 35.7 dB	6.1 dB
7,8-5,4	DH	OK	52.5 dB @ 235.00MHz	N/A	> 35.8 dB	16.7 dB
7,8-1,2	DH	OK	55.4 dB @ 216.00MHz	N/A	> 36.4 dB	19.0 dB
3,6-5,4	DH	OK	54.2 dB @ 233.50MHz	N/A	> 35.8 dB	18.4 dB
3,6-1,2	DH	OK	46.3 dB @ 242.00MHz	N/A	> 35.5 dB	10.8 dB
5,4-1,2	DH	OK	50.0 dB @ 250.00MHz	N/A	> 35.3 dB	14.7 dB
7,8-3,6	RH	OK	44.2 dB @ 249.50MHz	N/A	> 35.3 dB	8.9 dB
7,8-5,4	RH	OK	42.5 dB @ 235.50MHz	N/A	> 35.7 dB	6.8 dB
7,8-1,2	RH	OK	56.6 dB @ 205.50MHz	N/A	> 36.7 dB	19.9 dB
3,6-5,4	RH	OK	52.0 dB @ 170.50MHz	N/A	> 38.0 dB	14.0 dB
3,6-1,2	RH	OK	51.1 dB @ 234.50MHz	N/A	> 35.8 dB	15.3 dB
5,4-1,2	RH	OK	53.4 dB @ 250.00MHz	N/A	> 35.3 dB	18.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.9 dB @ 230.00MHz	N/A	> 10.4 dB	6.5 dB
3,6	DH	OK	17.0 dB @ 229.50MHz	N/A	> 10.4 dB	6.6 dB
5,4	DH	OK	16.8 dB @ 230.50MHz	N/A	> 10.4 dB	6.4 dB
1,2	DH	OK	18.8 dB @ 216.50MHz	N/A	> 10.6 dB	8.2 dB
7,8	RH	OK	13.3 dB @ 225.50MHz	N/A	> 10.5 dB	2.8 dB
3,6	RH	OK	16.1 dB @ 229.50MHz	N/A	> 10.4 dB	5.7 dB
5,4	RH	OK	17.8 dB @ 223.00MHz	N/A	> 10.5 dB	7.3 dB
1,2	RH	OK	17.2 dB @ 227.00MHz	N/A	> 10.4 dB	6.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	16.5 dB @ 245.50MHz	N/A	< 30.8 dB	14.3 dB
3,6	OK	17.3 dB @ 248.00MHz	N/A	< 31.0 dB	13.7 dB
5,4	OK	17.7 dB @ 248.00MHz	N/A	< 31.0 dB	13.3 dB
1,2	OK	16.4 dB @ 247.00MHz	N/A	< 30.9 dB	14.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.9 dB @ 234.50MHz	N/A	>= 5.8 dB	20.1 dB
3,6	DH	OK	24.7 dB @ 237.00MHz	N/A	>= 5.5 dB	19.2 dB
5,4	DH	OK	32.8 dB @ 250.00MHz	N/A	>= 4.1 dB	28.7 dB
1,2	DH	OK	30.5 dB @ 242.00MHz	N/A	>= 4.9 dB	25.6 dB
7,8	RH	OK	26.3 dB @ 235.00MHz	N/A	>= 5.8 dB	20.5 dB
3,6	RH	OK	27.4 dB @ 248.00MHz	N/A	>= 4.4 dB	23.0 dB
5,4	RH	OK	25.6 dB @ 235.00MHz	N/A	>= 5.8 dB	19.8 dB
1,2	RH	OK	35.7 dB @ 234.00MHz	N/A	>= 5.8 dB	29.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0069  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:05:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.6 dB @ 217.00MHz	N/A	> 17.4 dB	16.2 dB
7,8-5,4	DH	OK	41.8 dB @ 209.50MHz	N/A	> 17.7 dB	24.1 dB
7,8-1,2	DH	OK	46.0 dB @ 250.00MHz	N/A	> 16.2 dB	29.8 dB
3,6-7,8	DH	OK	33.5 dB @ 219.50MHz	N/A	> 17.3 dB	16.2 dB
3,6-5,4	DH	OK	31.5 dB @ 229.00MHz	N/A	> 17.0 dB	14.5 dB
3,6-1,2	DH	OK	43.8 dB @ 236.00MHz	N/A	> 16.7 dB	27.1 dB
5,4-7,8	DH	OK	42.6 dB @ 208.00MHz	N/A	> 17.8 dB	24.8 dB
5,4-3,6	DH	OK	32.1 dB @ 227.00MHz	N/A	> 17.0 dB	15.1 dB
5,4-1,2	DH	OK	36.8 dB @ 226.50MHz	N/A	> 17.1 dB	19.7 dB
1,2-7,8	DH	OK	47.9 dB @ 55.50MHz	N/A	> 29.3 dB	18.6 dB
1,2-3,6	DH	OK	41.6 dB @ 220.50MHz	N/A	> 17.3 dB	24.3 dB
1,2-5,4	DH	OK	34.3 dB @ 229.00MHz	N/A	> 17.0 dB	17.3 dB
7,8-3,6	RH	OK	34.1 dB @ 215.00MHz	N/A	> 17.5 dB	16.6 dB
7,8-5,4	RH	OK	42.7 dB @ 55.50MHz	N/A	> 29.3 dB	13.4 dB
7,8-1,2	RH	OK	45.8 dB @ 250.00MHz	N/A	> 16.2 dB	29.6 dB
3,6-7,8	RH	OK	33.3 dB @ 220.50MHz	N/A	> 17.3 dB	16.0 dB
3,6-5,4	RH	OK	32.0 dB @ 232.50MHz	N/A	> 16.8 dB	15.2 dB
3,6-1,2	RH	OK	42.4 dB @ 241.00MHz	N/A	> 16.5 dB	25.9 dB
5,4-7,8	RH	OK	41.4 dB @ 209.50MHz	N/A	> 17.7 dB	23.7 dB
5,4-3,6	RH	OK	31.5 dB @ 229.00MHz	N/A	> 17.0 dB	14.5 dB
5,4-1,2	RH	OK	35.4 dB @ 229.00MHz	N/A	> 17.0 dB	18.4 dB
1,2-7,8	RH	OK	48.0 dB @ 55.50MHz	N/A	> 29.3 dB	18.7 dB
1,2-3,6	RH	OK	42.4 dB @ 220.00MHz	N/A	> 17.3 dB	25.1 dB
1,2-5,4	RH	OK	36.3 dB @ 226.50MHz	N/A	> 17.1 dB	19.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.6 dB @ 237.00MHz	N/A	> 32.7 dB	8.9 dB
3,6	DH	OK	40.7 dB @ 235.50MHz	N/A	> 32.7 dB	8.0 dB
5,4	DH	OK	48.8 dB @ 235.50MHz	N/A	> 32.7 dB	16.1 dB
1,2	DH	OK	45.2 dB @ 245.00MHz	N/A	> 32.5 dB	12.7 dB
7,8	RH	OK	40.9 dB @ 242.50MHz	N/A	> 32.5 dB	8.4 dB
3,6	RH	OK	43.5 dB @ 249.50MHz	N/A	> 32.3 dB	11.2 dB
5,4	RH	OK	42.3 dB @ 235.50MHz	N/A	> 32.7 dB	9.6 dB
1,2	RH	OK	49.8 dB @ 248.00MHz	N/A	> 32.4 dB	17.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.5 dB @ 234.50MHz	N/A	>= 2.8 dB	22.7 dB
3,6	DH	OK	23.7 dB @ 237.00MHz	N/A	>= 2.5 dB	21.2 dB
5,4	DH	OK	31.9 dB @ 235.50MHz	N/A	>= 2.6 dB	29.3 dB
1,2	DH	OK	29.3 dB @ 247.00MHz	N/A	>= 1.5 dB	27.8 dB
7,8	RH	OK	24.7 dB @ 248.00MHz	N/A	>= 1.4 dB	23.3 dB
3,6	RH	OK	26.4 dB @ 248.00MHz	N/A	>= 1.4 dB	25.0 dB
5,4	RH	OK	25.2 dB @ 238.00MHz	N/A	>= 2.4 dB	22.8 dB
1,2	RH	OK	34.1 dB @ 248.00MHz	N/A	>= 1.4 dB	32.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.9 dB @ 219.50MHz	N/A	>= 14.3 dB	18.6 dB
3,6	DH	OK	29.6 dB @ 227.00MHz	N/A	>= 14.0 dB	15.6 dB
5,4	DH	OK	29.6 dB @ 229.00MHz	N/A	>= 14.0 dB	15.6 dB
1,2	DH	OK	36.0 dB @ 226.50MHz	N/A	>= 14.1 dB	21.9 dB
7,8	RH	OK	33.4 dB @ 208.00MHz	N/A	>= 14.8 dB	18.6 dB
3,6	RH	OK	29.9 dB @ 227.00MHz	N/A	>= 14.0 dB	15.9 dB
5,4	RH	OK	29.9 dB @ 229.00MHz	N/A	>= 14.0 dB	15.9 dB
1,2	RH	OK	35.6 dB @ 226.50MHz	N/A	>= 14.1 dB	21.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

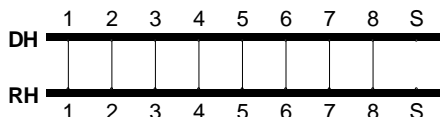
**OK**

ID cavo 1: 0070  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:06:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	53.8m	55.2m	56.4m	53.7m	< 90.0m	OK
Ritardo di propag.	264.2ns	270.6ns	276.4ns	263.6ns	< 510.0ns	OK
Diff. t. ritardo	12.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.2 Ohm	99.0 Ohm	98.6 Ohm	101.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.3 Ohm	10.8 Ohm	11.9 Ohm	10.5 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.6pF/m	47.9pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	9.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.2 dB @ 249.00MHz	N/A	> 35.3 dB	6.9 dB
7,8-5,4	DH	OK	50.9 dB @ 247.00MHz	N/A	> 35.4 dB	15.5 dB
7,8-1,2	DH	OK	51.3 dB @ 154.50MHz	N/A	> 38.7 dB	12.6 dB
3,6-5,4	DH	OK	50.3 dB @ 224.00MHz	N/A	> 36.1 dB	14.2 dB
3,6-1,2	DH	OK	45.5 dB @ 228.50MHz	N/A	> 36.0 dB	9.5 dB
5,4-1,2	DH	OK	44.1 dB @ 242.50MHz	N/A	> 35.5 dB	8.6 dB
7,8-3,6	RH	OK	46.0 dB @ 209.50MHz	N/A	> 36.6 dB	9.4 dB
7,8-5,4	RH	OK	44.5 dB @ 244.50MHz	N/A	> 35.5 dB	9.0 dB
7,8-1,2	RH	OK	55.8 dB @ 236.00MHz	N/A	> 35.7 dB	20.1 dB
3,6-5,4	RH	OK	50.2 dB @ 238.00MHz	N/A	> 35.7 dB	14.5 dB
3,6-1,2	RH	OK	47.6 dB @ 228.50MHz	N/A	> 36.0 dB	11.6 dB
5,4-1,2	RH	OK	49.0 dB @ 213.50MHz	N/A	> 36.4 dB	12.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.7 dB @ 223.00MHz	N/A	> 10.5 dB	7.2 dB
3,6	DH	OK	17.2 dB @ 231.50MHz	N/A	> 10.3 dB	6.9 dB
5,4	DH	OK	18.0 dB @ 230.00MHz	N/A	> 10.4 dB	7.6 dB
1,2	DH	OK	17.5 dB @ 219.00MHz	N/A	> 10.6 dB	6.9 dB
7,8	RH	OK	14.1 dB @ 228.50MHz	N/A	> 10.4 dB	3.7 dB
3,6	RH	OK	13.9 dB @ 225.50MHz	N/A	> 10.5 dB	3.4 dB
5,4	RH	OK	18.1 dB @ 226.50MHz	N/A	> 10.4 dB	7.7 dB
1,2	RH	OK	18.3 dB @ 225.00MHz	N/A	> 10.5 dB	7.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.8 dB @ 234.50MHz	N/A	< 30.0 dB	12.2 dB
3,6	OK	18.0 dB @ 245.00MHz	N/A	< 30.8 dB	12.8 dB
5,4	OK	18.2 dB @ 235.00MHz	N/A	< 30.0 dB	11.8 dB
1,2	OK	16.8 dB @ 248.00MHz	N/A	< 31.0 dB	14.2 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.9 dB @ 249.00MHz	N/A	>= 4.2 dB	20.7 dB
3,6	DH	OK	24.6 dB @ 238.50MHz	N/A	>= 5.4 dB	19.2 dB
5,4	DH	OK	26.6 dB @ 246.00MHz	N/A	>= 4.5 dB	22.1 dB
1,2	DH	OK	27.8 dB @ 248.00MHz	N/A	>= 4.4 dB	23.4 dB
7,8	RH	OK	27.7 dB @ 244.00MHz	N/A	>= 4.8 dB	22.9 dB
3,6	RH	OK	30.0 dB @ 209.50MHz	N/A	>= 8.5 dB	21.5 dB
5,4	RH	OK	26.8 dB @ 244.50MHz	N/A	>= 4.8 dB	22.0 dB
1,2	RH	OK	32.1 dB @ 228.00MHz	N/A	>= 6.5 dB	25.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0070  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:06:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.6 dB @ 223.00MHz	N/A	> 17.2 dB	13.4 dB
7,8-5,4	DH	OK	35.2 dB @ 223.00MHz	N/A	> 17.2 dB	18.0 dB
7,8-1,2	DH	OK	40.6 dB @ 223.00MHz	N/A	> 17.2 dB	23.4 dB
3,6-7,8	DH	OK	33.3 dB @ 223.00MHz	N/A	> 17.2 dB	16.1 dB
3,6-5,4	DH	OK	33.2 dB @ 223.00MHz	N/A	> 17.2 dB	16.0 dB
3,6-1,2	DH	OK	35.8 dB @ 234.50MHz	N/A	> 16.8 dB	19.0 dB
5,4-7,8	DH	OK	41.3 dB @ 223.00MHz	N/A	> 17.2 dB	24.1 dB
5,4-3,6	DH	OK	30.9 dB @ 223.00MHz	N/A	> 17.2 dB	13.7 dB
5,4-1,2	DH	OK	40.1 dB @ 226.50MHz	N/A	> 17.1 dB	23.0 dB
1,2-7,8	DH	OK	38.0 dB @ 223.00MHz	N/A	> 17.2 dB	20.8 dB
1,2-3,6	DH	OK	33.7 dB @ 223.00MHz	N/A	> 17.2 dB	16.5 dB
1,2-5,4	DH	OK	34.4 dB @ 223.00MHz	N/A	> 17.2 dB	17.2 dB
7,8-3,6	RH	OK	31.0 dB @ 223.00MHz	N/A	> 17.2 dB	13.8 dB
7,8-5,4	RH	OK	35.1 dB @ 223.00MHz	N/A	> 17.2 dB	17.9 dB
7,8-1,2	RH	OK	39.9 dB @ 223.00MHz	N/A	> 17.2 dB	22.7 dB
3,6-7,8	RH	OK	32.9 dB @ 223.00MHz	N/A	> 17.2 dB	15.7 dB
3,6-5,4	RH	OK	32.7 dB @ 223.00MHz	N/A	> 17.2 dB	15.5 dB
3,6-1,2	RH	OK	34.6 dB @ 234.50MHz	N/A	> 16.8 dB	17.8 dB
5,4-7,8	RH	OK	41.4 dB @ 223.00MHz	N/A	> 17.2 dB	24.2 dB
5,4-3,6	RH	OK	31.4 dB @ 223.00MHz	N/A	> 17.2 dB	14.2 dB
5,4-1,2	RH	OK	38.8 dB @ 226.50MHz	N/A	> 17.1 dB	21.7 dB
1,2-7,8	RH	OK	38.7 dB @ 223.00MHz	N/A	> 17.2 dB	21.5 dB
1,2-3,6	RH	OK	34.8 dB @ 223.00MHz	N/A	> 17.2 dB	17.6 dB
1,2-5,4	RH	OK	35.0 dB @ 223.00MHz	N/A	> 17.2 dB	17.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.6 dB @ 249.00MHz	N/A	> 32.3 dB	9.3 dB
3,6	DH	OK	40.3 dB @ 228.50MHz	N/A	> 33.0 dB	7.3 dB
5,4	DH	OK	43.2 dB @ 247.00MHz	N/A	> 32.4 dB	10.8 dB
1,2	DH	OK	41.8 dB @ 242.50MHz	N/A	> 32.5 dB	9.3 dB
7,8	RH	OK	43.4 dB @ 245.00MHz	N/A	> 32.5 dB	10.9 dB
3,6	RH	OK	45.2 dB @ 209.50MHz	N/A	> 33.6 dB	11.6 dB
5,4	RH	OK	43.3 dB @ 239.50MHz	N/A	> 32.6 dB	10.7 dB
1,2	RH	OK	46.3 dB @ 228.50MHz	N/A	> 33.0 dB	13.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.2 dB @ 247.50MHz	N/A	>= 1.4 dB	22.8 dB
3,6	DH	OK	23.0 dB @ 228.50MHz	N/A	>= 3.4 dB	19.6 dB
5,4	DH	OK	25.3 dB @ 246.00MHz	N/A	>= 1.5 dB	23.8 dB
1,2	DH	OK	25.8 dB @ 242.50MHz	N/A	>= 1.9 dB	23.9 dB
7,8	RH	OK	26.3 dB @ 249.00MHz	N/A	>= 1.2 dB	25.1 dB
3,6	RH	OK	27.3 dB @ 245.00MHz	N/A	>= 1.7 dB	25.6 dB
5,4	RH	OK	25.7 dB @ 244.50MHz	N/A	>= 1.8 dB	23.9 dB
1,2	RH	OK	30.6 dB @ 228.00MHz	N/A	>= 3.5 dB	27.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.5 dB @ 223.00MHz	N/A	>= 14.2 dB	17.3 dB
3,6	DH	OK	26.7 dB @ 223.00MHz	N/A	>= 14.2 dB	12.5 dB
5,4	DH	OK	29.4 dB @ 223.00MHz	N/A	>= 14.2 dB	15.2 dB
1,2	DH	OK	34.0 dB @ 234.50MHz	N/A	>= 13.8 dB	20.2 dB
7,8	RH	OK	29.1 dB @ 223.00MHz	N/A	>= 14.2 dB	14.9 dB
3,6	RH	OK	28.6 dB @ 223.00MHz	N/A	>= 14.2 dB	14.4 dB
5,4	RH	OK	30.6 dB @ 223.00MHz	N/A	>= 14.2 dB	16.4 dB
1,2	RH	OK	31.0 dB @ 223.00MHz	N/A	>= 14.2 dB	16.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

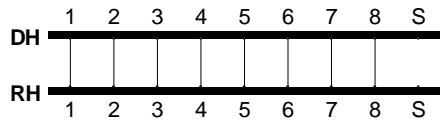
ID cavo 1: 0071  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:07:51  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

**Coppia (NVP)**

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	53.0m	54.3m	55.3m	53.0m	< 90.0m	OK
Ritardo di propag.	260.6ns	266.6ns	271.3ns	260.3ns	< 510.0ns	OK
Diff. t. ritardo	11.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.8 Ohm	98.9 Ohm	98.7 Ohm	100.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.2 Ohm	10.5 Ohm	11.7 Ohm	10.2 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.7pF/m	47.8pF/m	47.1pF/m	< 66.0pF/m	OK
Riserva	10.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.2 dB @ 238.00MHz	N/A	> 35.7 dB	6.5 dB
7,8-5,4	DH	OK	50.4 dB @ 230.50MHz	N/A	> 35.9 dB	14.5 dB
7,8-1,2	DH	OK	60.6 dB @ 248.50MHz	N/A	> 35.4 dB	25.2 dB
3,6-5,4	DH	OK	53.2 dB @ 233.50MHz	N/A	> 35.8 dB	17.4 dB
3,6-1,2	DH	OK	48.2 dB @ 248.00MHz	N/A	> 35.4 dB	12.8 dB
5,4-1,2	DH	OK	49.0 dB @ 241.50MHz	N/A	> 35.6 dB	13.4 dB
7,8-3,6	RH	OK	46.0 dB @ 235.50MHz	N/A	> 35.7 dB	10.3 dB
7,8-5,4	RH	OK	45.3 dB @ 233.00MHz	N/A	> 35.8 dB	9.5 dB
7,8-1,2	RH	OK	56.9 dB @ 185.00MHz	N/A	> 37.5 dB	19.4 dB
3,6-5,4	RH	OK	50.6 dB @ 232.00MHz	N/A	> 35.8 dB	14.8 dB
3,6-1,2	RH	OK	43.8 dB @ 239.00MHz	N/A	> 35.6 dB	8.2 dB
5,4-1,2	RH	OK	50.7 dB @ 203.50MHz	N/A	> 36.8 dB	13.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.4 dB @ 223.50MHz	N/A	> 10.5 dB	6.9 dB
3,6	DH	OK	17.0 dB @ 228.50MHz	N/A	> 10.4 dB	6.6 dB
5,4	DH	OK	17.6 dB @ 237.50MHz	N/A	> 10.2 dB	7.4 dB
1,2	DH	OK	17.6 dB @ 214.00MHz	N/A	> 10.7 dB	6.9 dB
7,8	RH	OK	15.7 dB @ 212.00MHz	N/A	> 10.7 dB	5.0 dB
3,6	RH	OK	16.0 dB @ 230.50MHz	N/A	> 10.4 dB	5.6 dB
5,4	RH	OK	17.9 dB @ 235.50MHz	N/A	> 10.3 dB	7.6 dB
1,2	RH	OK	18.4 dB @ 216.00MHz	N/A	> 10.6 dB	7.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	16.6 dB @ 249.50MHz	N/A	< 31.1 dB	14.5 dB
3,6	OK	17.2 dB @ 230.00MHz	N/A	< 29.7 dB	12.5 dB
5,4	OK	16.9 dB @ 249.00MHz	N/A	< 31.1 dB	14.2 dB
1,2	OK	16.2 dB @ 250.00MHz	N/A	< 31.2 dB	15.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.0 dB @ 237.50MHz	N/A	>= 5.5 dB	20.5 dB
3,6	DH	OK	25.4 dB @ 238.50MHz	N/A	>= 5.4 dB	20.0 dB
5,4	DH	OK	32.4 dB @ 247.00MHz	N/A	>= 4.5 dB	27.9 dB
1,2	DH	OK	32.1 dB @ 248.00MHz	N/A	>= 4.4 dB	27.7 dB
7,8	RH	OK	29.5 dB @ 241.50MHz	N/A	>= 5.1 dB	24.4 dB
3,6	RH	OK	27.1 dB @ 240.00MHz	N/A	>= 5.2 dB	21.9 dB
5,4	RH	OK	29.1 dB @ 233.00MHz	N/A	>= 5.9 dB	23.2 dB
1,2	RH	OK	28.2 dB @ 239.00MHz	N/A	>= 5.3 dB	22.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0071  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:07:51  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.7 dB @ 224.00MHz	N/A	> 17.2 dB	17.5 dB
7,8-5,4	DH	OK	37.0 dB @ 226.50MHz	N/A	> 17.1 dB	19.9 dB
7,8-1,2	DH	OK	37.1 dB @ 250.00MHz	N/A	> 16.2 dB	20.9 dB
3,6-7,8	DH	OK	36.5 dB @ 212.00MHz	N/A	> 17.6 dB	18.9 dB
3,6-5,4	DH	OK	34.1 dB @ 240.00MHz	N/A	> 16.6 dB	17.5 dB
3,6-1,2	DH	OK	41.7 dB @ 226.50MHz	N/A	> 17.1 dB	24.6 dB
5,4-7,8	DH	OK	36.6 dB @ 219.00MHz	N/A	> 17.4 dB	19.2 dB
5,4-3,6	DH	OK	33.9 dB @ 230.00MHz	N/A	> 16.9 dB	17.0 dB
5,4-1,2	DH	OK	35.9 dB @ 237.00MHz	N/A	> 16.7 dB	19.2 dB
1,2-7,8	DH	OK	36.6 dB @ 249.50MHz	N/A	> 16.2 dB	20.4 dB
1,2-3,6	DH	OK	39.1 dB @ 237.00MHz	N/A	> 16.7 dB	22.4 dB
1,2-5,4	DH	OK	35.2 dB @ 242.00MHz	N/A	> 16.5 dB	18.7 dB
7,8-3,6	RH	OK	35.3 dB @ 225.50MHz	N/A	> 17.1 dB	18.2 dB
7,8-5,4	RH	OK	37.2 dB @ 216.50MHz	N/A	> 17.5 dB	19.7 dB
7,8-1,2	RH	OK	37.0 dB @ 249.00MHz	N/A	> 16.2 dB	20.8 dB
3,6-7,8	RH	OK	35.6 dB @ 202.00MHz	N/A	> 18.1 dB	17.5 dB
3,6-5,4	RH	OK	33.6 dB @ 233.00MHz	N/A	> 16.8 dB	16.8 dB
3,6-1,2	RH	OK	41.1 dB @ 230.00MHz	N/A	> 16.9 dB	24.2 dB
5,4-7,8	RH	OK	36.6 dB @ 219.00MHz	N/A	> 17.4 dB	19.2 dB
5,4-3,6	RH	OK	34.6 dB @ 227.50MHz	N/A	> 17.0 dB	17.6 dB
5,4-1,2	RH	OK	35.5 dB @ 237.00MHz	N/A	> 16.7 dB	18.8 dB
1,2-7,8	RH	OK	37.2 dB @ 250.00MHz	N/A	> 16.2 dB	21.0 dB
1,2-3,6	RH	OK	40.0 dB @ 238.00MHz	N/A	> 16.6 dB	23.4 dB
1,2-5,4	RH	OK	35.8 dB @ 242.00MHz	N/A	> 16.5 dB	19.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.8 dB @ 238.00MHz	N/A	> 32.7 dB	9.1 dB
3,6	DH	OK	41.7 dB @ 243.50MHz	N/A	> 32.5 dB	9.2 dB
5,4	DH	OK	47.0 dB @ 233.00MHz	N/A	> 32.8 dB	14.2 dB
1,2	DH	OK	45.8 dB @ 248.00MHz	N/A	> 32.4 dB	13.4 dB
7,8	RH	OK	42.7 dB @ 235.50MHz	N/A	> 32.7 dB	10.0 dB
3,6	RH	OK	42.5 dB @ 240.00MHz	N/A	> 32.6 dB	9.9 dB
5,4	RH	OK	44.0 dB @ 232.00MHz	N/A	> 32.8 dB	11.2 dB
1,2	RH	OK	43.0 dB @ 240.00MHz	N/A	> 32.6 dB	10.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.6 dB @ 237.50MHz	N/A	>= 2.5 dB	23.1 dB
3,6	DH	OK	24.7 dB @ 243.50MHz	N/A	>= 1.8 dB	22.9 dB
5,4	DH	OK	30.8 dB @ 233.00MHz	N/A	>= 2.9 dB	27.9 dB
1,2	DH	OK	29.7 dB @ 248.00MHz	N/A	>= 1.4 dB	28.3 dB
7,8	RH	OK	27.0 dB @ 234.50MHz	N/A	>= 2.8 dB	24.2 dB
3,6	RH	OK	25.7 dB @ 240.00MHz	N/A	>= 2.2 dB	23.5 dB
5,4	RH	OK	27.6 dB @ 240.00MHz	N/A	>= 2.2 dB	25.4 dB
1,2	RH	OK	27.3 dB @ 240.00MHz	N/A	>= 2.2 dB	25.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.1 dB @ 212.00MHz	N/A	>= 14.6 dB	18.5 dB
3,6	DH	OK	31.0 dB @ 230.00MHz	N/A	>= 13.9 dB	17.1 dB
5,4	DH	OK	30.6 dB @ 240.00MHz	N/A	>= 13.6 dB	17.0 dB
1,2	DH	OK	33.5 dB @ 250.00MHz	N/A	>= 13.2 dB	20.3 dB
7,8	RH	OK	32.4 dB @ 225.50MHz	N/A	>= 14.1 dB	18.3 dB
3,6	RH	OK	32.0 dB @ 230.00MHz	N/A	>= 13.9 dB	18.1 dB
5,4	RH	OK	30.9 dB @ 234.00MHz	N/A	>= 13.8 dB	17.1 dB
1,2	RH	OK	32.9 dB @ 243.00MHz	N/A	>= 13.5 dB	19.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

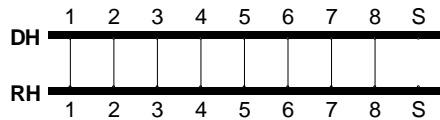
ID cavo 1: 0072  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:08:52  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	53.3m	54.7m	56.1m	53.1m	< 90.0m	OK
Ritardo di propag.	262.0ns	268.4ns	275.1ns	260.9ns	< 510.0ns	OK
Diff. t. ritardo	14.2ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.5 Ohm	96.3 Ohm	101.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.3 Ohm	10.6 Ohm	11.9 Ohm	10.3 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.9pF/m	49.1pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	8.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.8 dB @ 246.00MHz	N/A	> 35.4 dB	6.4 dB
7,8-5,4	DH	OK	51.8 dB @ 233.50MHz	N/A	> 35.8 dB	16.0 dB
7,8-1,2	DH	OK	59.8 dB @ 205.00MHz	N/A	> 36.7 dB	23.1 dB
3,6-5,4	DH	OK	53.1 dB @ 128.50MHz	N/A	> 40.0 dB	13.1 dB
3,6-1,2	DH	OK	46.4 dB @ 242.00MHz	N/A	> 35.5 dB	10.9 dB
5,4-1,2	DH	OK	49.2 dB @ 246.50MHz	N/A	> 35.4 dB	13.8 dB
7,8-3,6	RH	OK	47.5 dB @ 237.50MHz	N/A	> 35.7 dB	11.8 dB
7,8-5,4	RH	OK	45.1 dB @ 247.50MHz	N/A	> 35.4 dB	9.7 dB
7,8-1,2	RH	OK	54.9 dB @ 223.50MHz	N/A	> 36.1 dB	18.8 dB
3,6-5,4	RH	OK	53.4 dB @ 221.00MHz	N/A	> 36.2 dB	17.2 dB
3,6-1,2	RH	OK	46.9 dB @ 230.50MHz	N/A	> 35.9 dB	11.0 dB
5,4-1,2	RH	OK	51.7 dB @ 206.00MHz	N/A	> 36.7 dB	15.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.9 dB @ 232.00MHz	N/A	> 10.3 dB	6.6 dB
3,6	DH	OK	16.3 dB @ 229.50MHz	N/A	> 10.4 dB	5.9 dB
5,4	DH	OK	16.3 dB @ 228.50MHz	N/A	> 10.4 dB	5.9 dB
1,2	DH	OK	17.5 dB @ 217.00MHz	N/A	> 10.6 dB	6.9 dB
7,8	RH	OK	15.3 dB @ 223.00MHz	N/A	> 10.5 dB	4.8 dB
3,6	RH	OK	16.9 dB @ 225.50MHz	N/A	> 10.5 dB	6.4 dB
5,4	RH	OK	17.2 dB @ 232.50MHz	N/A	> 10.3 dB	6.9 dB
1,2	RH	OK	18.3 dB @ 169.00MHz	N/A	> 11.7 dB	6.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.1 dB @ 245.00MHz	N/A	< 30.8 dB	13.7 dB
3,6	OK	17.8 dB @ 245.50MHz	N/A	< 30.8 dB	13.0 dB
5,4	OK	18.3 dB @ 245.50MHz	N/A	< 30.8 dB	12.5 dB
1,2	OK	17.0 dB @ 250.00MHz	N/A	< 31.2 dB	14.2 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.0 dB @ 245.00MHz	N/A	>= 4.7 dB	20.3 dB
3,6	DH	OK	24.4 dB @ 245.50MHz	N/A	>= 4.6 dB	19.8 dB
5,4	DH	OK	31.2 dB @ 245.50MHz	N/A	>= 4.6 dB	26.6 dB
1,2	DH	OK	30.4 dB @ 241.50MHz	N/A	>= 5.1 dB	25.3 dB
7,8	RH	OK	28.5 dB @ 247.50MHz	N/A	>= 4.4 dB	24.1 dB
3,6	RH	OK	29.6 dB @ 231.00MHz	N/A	>= 6.1 dB	23.5 dB
5,4	RH	OK	27.4 dB @ 245.50MHz	N/A	>= 4.6 dB	22.8 dB
1,2	RH	OK	31.0 dB @ 250.00MHz	N/A	>= 4.1 dB	26.9 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0072  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:08:52  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.2 dB @ 208.50MHz	N/A	> 17.8 dB	18.4 dB
7,8-5,4	DH	OK	41.5 dB @ 218.00MHz	N/A	> 17.4 dB	24.1 dB
7,8-1,2	DH	OK	42.4 dB @ 240.00MHz	N/A	> 16.6 dB	25.8 dB
3,6-7,8	DH	OK	36.7 dB @ 216.50MHz	N/A	> 17.5 dB	19.2 dB
3,6-5,4	DH	OK	34.7 dB @ 231.50MHz	N/A	> 16.9 dB	17.8 dB
3,6-1,2	DH	OK	41.8 dB @ 126.00MHz	N/A	> 22.1 dB	19.7 dB
5,4-7,8	DH	OK	40.8 dB @ 215.00MHz	N/A	> 17.5 dB	23.3 dB
5,4-3,6	DH	OK	35.6 dB @ 208.50MHz	N/A	> 17.8 dB	17.8 dB
5,4-1,2	DH	OK	41.5 dB @ 228.00MHz	N/A	> 17.0 dB	24.5 dB
1,2-7,8	DH	OK	40.6 dB @ 249.50MHz	N/A	> 16.2 dB	24.4 dB
1,2-3,6	DH	OK	41.7 dB @ 127.00MHz	N/A	> 22.1 dB	19.6 dB
1,2-5,4	DH	OK	38.8 dB @ 233.00MHz	N/A	> 16.8 dB	22.0 dB
7,8-3,6	RH	OK	36.7 dB @ 216.50MHz	N/A	> 17.5 dB	19.2 dB
7,8-5,4	RH	OK	42.3 dB @ 209.00MHz	N/A	> 17.8 dB	24.5 dB
7,8-1,2	RH	OK	42.3 dB @ 235.50MHz	N/A	> 16.7 dB	25.6 dB
3,6-7,8	RH	OK	36.1 dB @ 222.50MHz	N/A	> 17.2 dB	18.9 dB
3,6-5,4	RH	OK	34.8 dB @ 226.50MHz	N/A	> 17.1 dB	17.7 dB
3,6-1,2	RH	OK	41.2 dB @ 126.00MHz	N/A	> 22.1 dB	19.1 dB
5,4-7,8	RH	OK	40.0 dB @ 218.00MHz	N/A	> 17.4 dB	22.6 dB
5,4-3,6	RH	OK	35.0 dB @ 237.00MHz	N/A	> 16.7 dB	18.3 dB
5,4-1,2	RH	OK	39.8 dB @ 232.50MHz	N/A	> 16.8 dB	23.0 dB
1,2-7,8	RH	OK	40.8 dB @ 250.00MHz	N/A	> 16.2 dB	24.6 dB
1,2-3,6	RH	OK	42.3 dB @ 128.00MHz	N/A	> 22.0 dB	20.3 dB
1,2-5,4	RH	OK	40.3 dB @ 235.00MHz	N/A	> 16.7 dB	23.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 246.00MHz	N/A	> 32.4 dB	9.0 dB
3,6	DH	OK	40.6 dB @ 246.00MHz	N/A	> 32.4 dB	8.2 dB
5,4	DH	OK	47.2 dB @ 246.50MHz	N/A	> 32.4 dB	14.8 dB
1,2	DH	OK	45.2 dB @ 245.50MHz	N/A	> 32.4 dB	12.8 dB
7,8	RH	OK	43.2 dB @ 250.00MHz	N/A	> 32.3 dB	10.9 dB
3,6	RH	OK	44.4 dB @ 237.00MHz	N/A	> 32.7 dB	11.7 dB
5,4	RH	OK	44.2 dB @ 250.00MHz	N/A	> 32.3 dB	11.9 dB
1,2	RH	OK	46.2 dB @ 250.00MHz	N/A	> 32.3 dB	13.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.6 dB @ 245.00MHz	N/A	>= 1.7 dB	22.9 dB
3,6	DH	OK	23.0 dB @ 245.50MHz	N/A	>= 1.6 dB	21.4 dB
5,4	DH	OK	28.9 dB @ 245.50MHz	N/A	>= 1.6 dB	27.3 dB
1,2	DH	OK	28.9 dB @ 242.50MHz	N/A	>= 1.9 dB	27.0 dB
7,8	RH	OK	26.6 dB @ 250.00MHz	N/A	>= 1.1 dB	25.5 dB
3,6	RH	OK	27.3 dB @ 237.00MHz	N/A	>= 2.5 dB	24.8 dB
5,4	RH	OK	26.4 dB @ 249.00MHz	N/A	>= 1.2 dB	25.2 dB
1,2	RH	OK	29.2 dB @ 250.00MHz	N/A	>= 1.1 dB	28.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.5 dB @ 216.50MHz	N/A	>= 14.5 dB	20.0 dB
3,6	DH	OK	32.8 dB @ 222.50MHz	N/A	>= 14.2 dB	18.6 dB
5,4	DH	OK	33.0 dB @ 231.50MHz	N/A	>= 13.9 dB	19.1 dB
1,2	DH	OK	38.5 dB @ 235.50MHz	N/A	>= 13.7 dB	24.8 dB
7,8	RH	OK	35.2 dB @ 216.50MHz	N/A	>= 14.5 dB	20.7 dB
3,6	RH	OK	32.4 dB @ 222.50MHz	N/A	>= 14.2 dB	18.2 dB
5,4	RH	OK	33.4 dB @ 213.00MHz	N/A	>= 14.6 dB	18.8 dB
1,2	RH	OK	38.0 dB @ 235.00MHz	N/A	>= 13.7 dB	24.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

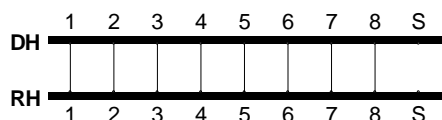
ID cavo 1: 0073  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:10:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	52.7m	54.1m	55.3m	52.6m	< 90.0m	OK
Ritardo di propag.	259.4ns	265.7ns	271.4ns	258.7ns	< 510.0ns	OK
Diff. t. ritardo	12.7ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.7 Ohm	99.3 Ohm	98.8 Ohm	101.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.7 Ohm	11.4 Ohm	13.0 Ohm	11.0 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.5pF/m	47.8pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	8.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.9 dB @ 248.00MHz	N/A	> 35.4 dB	5.5 dB
7,8-5,4	DH	OK	52.6 dB @ 234.00MHz	N/A	> 35.8 dB	16.8 dB
7,8-1,2	DH	OK	58.1 dB @ 215.50MHz	N/A	> 36.4 dB	21.7 dB
3,6-5,4	DH	OK	52.8 dB @ 127.50MHz	N/A	> 40.1 dB	12.7 dB
3,6-1,2	DH	OK	46.7 dB @ 240.50MHz	N/A	> 35.6 dB	11.1 dB
5,4-1,2	DH	OK	48.8 dB @ 200.50MHz	N/A	> 36.9 dB	11.9 dB
7,8-3,6	RH	OK	46.7 dB @ 244.00MHz	N/A	> 35.5 dB	11.2 dB
7,8-5,4	RH	OK	45.3 dB @ 248.00MHz	N/A	> 35.4 dB	9.9 dB
7,8-1,2	RH	OK	50.8 dB @ 199.00MHz	N/A	> 36.9 dB	13.9 dB
3,6-5,4	RH	OK	52.7 dB @ 243.50MHz	N/A	> 35.5 dB	17.2 dB
3,6-1,2	RH	OK	45.5 dB @ 248.00MHz	N/A	> 35.4 dB	10.1 dB
5,4-1,2	RH	OK	49.3 dB @ 250.00MHz	N/A	> 35.3 dB	14.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.5 dB @ 222.50MHz	N/A	> 10.5 dB	6.0 dB
3,6	DH	OK	15.1 dB @ 225.50MHz	N/A	> 10.5 dB	4.6 dB
5,4	DH	OK	18.7 dB @ 223.00MHz	N/A	> 10.5 dB	8.2 dB
1,2	DH	OK	17.8 dB @ 232.50MHz	N/A	> 10.3 dB	7.5 dB
7,8	RH	OK	13.8 dB @ 220.50MHz	N/A	> 10.6 dB	3.2 dB
3,6	RH	OK	15.5 dB @ 221.50MHz	N/A	> 10.5 dB	5.0 dB
5,4	RH	OK	17.8 dB @ 249.00MHz	N/A	> 10.0 dB	7.8 dB
1,2	RH	OK	14.5 dB @ 222.50MHz	N/A	> 10.5 dB	4.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	16.7 dB @ 249.00MHz	N/A	< 31.1 dB	14.4 dB
3,6	OK	17.3 dB @ 245.50MHz	N/A	< 30.8 dB	13.5 dB
5,4	OK	17.1 dB @ 247.50MHz	N/A	< 31.0 dB	13.9 dB
1,2	OK	16.7 dB @ 249.50MHz	N/A	< 31.1 dB	14.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.5 dB @ 248.00MHz	N/A	>= 4.4 dB	20.1 dB
3,6	DH	OK	24.1 dB @ 246.50MHz	N/A	>= 4.5 dB	19.6 dB
5,4	DH	OK	33.2 dB @ 249.00MHz	N/A	>= 4.2 dB	29.0 dB
1,2	DH	OK	30.8 dB @ 240.50MHz	N/A	>= 5.2 dB	25.6 dB
7,8	RH	OK	28.9 dB @ 244.00MHz	N/A	>= 4.8 dB	24.1 dB
3,6	RH	OK	28.4 dB @ 249.50MHz	N/A	>= 4.2 dB	24.2 dB
5,4	RH	OK	28.8 dB @ 247.00MHz	N/A	>= 4.5 dB	24.3 dB
1,2	RH	OK	28.9 dB @ 249.50MHz	N/A	>= 4.2 dB	24.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0073  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:10:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.0 dB @ 213.00MHz	N/A	> 17.6 dB	16.4 dB
7,8-5,4	DH	OK	41.3 dB @ 247.00MHz	N/A	> 16.3 dB	25.0 dB
7,8-1,2	DH	OK	42.5 dB @ 236.50MHz	N/A	> 16.7 dB	25.8 dB
3,6-7,8	DH	OK	34.1 dB @ 206.50MHz	N/A	> 17.9 dB	16.2 dB
3,6-5,4	DH	OK	33.2 dB @ 226.00MHz	N/A	> 17.1 dB	16.1 dB
3,6-1,2	DH	OK	38.3 dB @ 234.50MHz	N/A	> 16.8 dB	21.5 dB
5,4-7,8	DH	OK	42.6 dB @ 248.00MHz	N/A	> 16.3 dB	26.3 dB
5,4-3,6	DH	OK	33.8 dB @ 224.00MHz	N/A	> 17.2 dB	16.6 dB
5,4-1,2	DH	OK	38.5 dB @ 234.50MHz	N/A	> 16.8 dB	21.7 dB
1,2-7,8	DH	OK	40.4 dB @ 249.00MHz	N/A	> 16.2 dB	24.2 dB
1,2-3,6	DH	OK	36.9 dB @ 226.50MHz	N/A	> 17.1 dB	19.8 dB
1,2-5,4	DH	OK	37.3 dB @ 238.00MHz	N/A	> 16.6 dB	20.7 dB
7,8-3,6	RH	OK	34.2 dB @ 206.50MHz	N/A	> 17.9 dB	16.3 dB
7,8-5,4	RH	OK	41.4 dB @ 249.00MHz	N/A	> 16.2 dB	25.2 dB
7,8-1,2	RH	OK	42.1 dB @ 239.50MHz	N/A	> 16.6 dB	25.5 dB
3,6-7,8	RH	OK	34.1 dB @ 209.00MHz	N/A	> 17.8 dB	16.3 dB
3,6-5,4	RH	OK	33.1 dB @ 224.00MHz	N/A	> 17.2 dB	15.9 dB
3,6-1,2	RH	OK	37.3 dB @ 226.50MHz	N/A	> 17.1 dB	20.2 dB
5,4-7,8	RH	OK	42.3 dB @ 247.00MHz	N/A	> 16.3 dB	26.0 dB
5,4-3,6	RH	OK	34.3 dB @ 238.00MHz	N/A	> 16.6 dB	17.7 dB
5,4-1,2	RH	OK	37.8 dB @ 232.50MHz	N/A	> 16.8 dB	21.0 dB
1,2-7,8	RH	OK	40.6 dB @ 249.50MHz	N/A	> 16.2 dB	24.4 dB
1,2-3,6	RH	OK	38.2 dB @ 227.50MHz	N/A	> 17.0 dB	21.2 dB
1,2-5,4	RH	OK	37.9 dB @ 234.50MHz	N/A	> 16.8 dB	21.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.8 dB @ 248.00MHz	N/A	> 32.4 dB	8.4 dB
3,6	DH	OK	40.2 dB @ 247.00MHz	N/A	> 32.4 dB	7.8 dB
5,4	DH	OK	48.3 dB @ 200.50MHz	N/A	> 33.9 dB	14.4 dB
1,2	DH	OK	45.6 dB @ 240.50MHz	N/A	> 32.6 dB	13.0 dB
7,8	RH	OK	42.7 dB @ 244.00MHz	N/A	> 32.5 dB	10.2 dB
3,6	RH	OK	43.0 dB @ 241.50MHz	N/A	> 32.6 dB	10.4 dB
5,4	RH	OK	43.8 dB @ 248.00MHz	N/A	> 32.4 dB	11.4 dB
1,2	RH	OK	43.6 dB @ 250.00MHz	N/A	> 32.3 dB	11.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.4 dB @ 248.00MHz	N/A	>= 1.4 dB	23.0 dB
3,6	DH	OK	23.1 dB @ 245.50MHz	N/A	>= 1.6 dB	21.5 dB
5,4	DH	OK	32.8 dB @ 249.00MHz	N/A	>= 1.2 dB	31.6 dB
1,2	DH	OK	29.7 dB @ 240.50MHz	N/A	>= 2.2 dB	27.5 dB
7,8	RH	OK	26.1 dB @ 244.00MHz	N/A	>= 1.8 dB	24.3 dB
3,6	RH	OK	26.3 dB @ 241.50MHz	N/A	>= 2.1 dB	24.2 dB
5,4	RH	OK	27.1 dB @ 250.00MHz	N/A	>= 1.1 dB	26.0 dB
1,2	RH	OK	27.0 dB @ 249.50MHz	N/A	>= 1.2 dB	25.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.3 dB @ 210.50MHz	N/A	>= 14.7 dB	18.6 dB
3,6	DH	OK	30.2 dB @ 224.00MHz	N/A	>= 14.2 dB	16.0 dB
5,4	DH	OK	31.8 dB @ 230.00MHz	N/A	>= 13.9 dB	17.9 dB
1,2	DH	OK	34.6 dB @ 234.50MHz	N/A	>= 13.8 dB	20.8 dB
7,8	RH	OK	33.3 dB @ 219.00MHz	N/A	>= 14.4 dB	18.9 dB
3,6	RH	OK	30.3 dB @ 221.00MHz	N/A	>= 14.3 dB	16.0 dB
5,4	RH	OK	32.4 dB @ 238.00MHz	N/A	>= 13.6 dB	18.8 dB
1,2	RH	OK	34.7 dB @ 234.50MHz	N/A	>= 13.8 dB	20.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

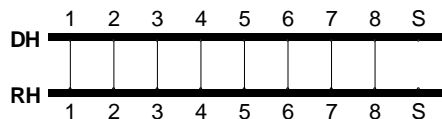
**OK**

ID cavo 1: 0074  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:11:21  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	53.0m	54.3m	55.5m	52.8m	< 90.0m	OK
Ritardo di propag.	260.4ns	266.4ns	272.2ns	259.6ns	< 510.0ns	OK
Diff. t. ritardo	12.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.7 Ohm	99.0 Ohm	98.7 Ohm	101.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.4 Ohm	11.2 Ohm	12.6 Ohm	10.8 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.6pF/m	47.8pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	9.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.4 dB @ 249.50MHz	N/A	> 35.3 dB	6.1 dB
7,8-5,4	DH	OK	52.6 dB @ 232.00MHz	N/A	> 35.8 dB	16.8 dB
7,8-1,2	DH	OK	60.9 dB @ 202.00MHz	N/A	> 36.8 dB	24.1 dB
3,6-5,4	DH	OK	51.5 dB @ 185.00MHz	N/A	> 37.5 dB	14.0 dB
3,6-1,2	DH	OK	47.7 dB @ 223.50MHz	N/A	> 36.1 dB	11.6 dB
5,4-1,2	DH	OK	46.2 dB @ 246.00MHz	N/A	> 35.4 dB	10.8 dB
7,8-3,6	RH	OK	45.3 dB @ 187.50MHz	N/A	> 37.4 dB	7.9 dB
7,8-5,4	RH	OK	46.1 dB @ 250.00MHz	N/A	> 35.3 dB	10.8 dB
7,8-1,2	RH	OK	51.6 dB @ 201.50MHz	N/A	> 36.8 dB	14.8 dB
3,6-5,4	RH	OK	51.6 dB @ 246.50MHz	N/A	> 35.4 dB	16.2 dB
3,6-1,2	RH	OK	46.5 dB @ 227.50MHz	N/A	> 36.0 dB	10.5 dB
5,4-1,2	RH	OK	50.6 dB @ 248.00MHz	N/A	> 35.4 dB	15.2 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 221.50MHz	N/A	> 10.5 dB	5.9 dB
3,6	DH	OK	15.5 dB @ 232.50MHz	N/A	> 10.3 dB	5.2 dB
5,4	DH	OK	17.9 dB @ 238.00MHz	N/A	> 10.2 dB	7.7 dB
1,2	DH	OK	15.3 dB @ 224.00MHz	N/A	> 10.5 dB	4.8 dB
7,8	RH	OK	15.2 dB @ 222.00MHz	N/A	> 10.5 dB	4.7 dB
3,6	RH	OK	16.1 dB @ 225.00MHz	N/A	> 10.5 dB	5.6 dB
5,4	RH	OK	17.4 dB @ 226.00MHz	N/A	> 10.4 dB	7.0 dB
1,2	RH	OK	14.0 dB @ 224.00MHz	N/A	> 10.5 dB	3.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	16.9 dB @ 241.00MHz	N/A	< 30.5 dB	13.6 dB
3,6	OK	17.4 dB @ 246.00MHz	N/A	< 30.9 dB	13.5 dB
5,4	OK	17.2 dB @ 245.00MHz	N/A	< 30.8 dB	13.6 dB
1,2	OK	16.1 dB @ 247.00MHz	N/A	< 30.9 dB	14.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.2 dB @ 249.50MHz	N/A	>= 4.2 dB	21.0 dB
3,6	DH	OK	24.6 dB @ 249.50MHz	N/A	>= 4.2 dB	20.4 dB
5,4	DH	OK	29.5 dB @ 245.00MHz	N/A	>= 4.7 dB	24.8 dB
1,2	DH	OK	30.7 dB @ 245.00MHz	N/A	>= 4.7 dB	26.0 dB
7,8	RH	OK	29.3 dB @ 249.50MHz	N/A	>= 4.2 dB	25.1 dB
3,6	RH	OK	28.7 dB @ 249.50MHz	N/A	>= 4.2 dB	24.5 dB
5,4	RH	OK	29.6 dB @ 245.00MHz	N/A	>= 4.7 dB	24.9 dB
1,2	RH	OK	31.6 dB @ 227.50MHz	N/A	>= 6.5 dB	25.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0074  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:11:21  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.5 dB @ 223.00MHz	N/A	> 17.2 dB	14.3 dB
7,8-5,4	DH	OK	44.9 dB @ 249.50MHz	N/A	> 16.2 dB	28.7 dB
7,8-1,2	DH	OK	44.2 dB @ 250.00MHz	N/A	> 16.2 dB	28.0 dB
3,6-7,8	DH	OK	32.4 dB @ 218.00MHz	N/A	> 17.4 dB	15.0 dB
3,6-5,4	DH	OK	30.5 dB @ 226.00MHz	N/A	> 17.1 dB	13.4 dB
3,6-1,2	DH	OK	37.8 dB @ 226.50MHz	N/A	> 17.1 dB	20.7 dB
5,4-7,8	DH	OK	44.0 dB @ 213.50MHz	N/A	> 17.6 dB	26.4 dB
5,4-3,6	DH	OK	31.0 dB @ 212.00MHz	N/A	> 17.6 dB	13.4 dB
5,4-1,2	DH	OK	37.3 dB @ 231.00MHz	N/A	> 16.9 dB	20.4 dB
1,2-7,8	DH	OK	45.7 dB @ 212.50MHz	N/A	> 17.6 dB	28.1 dB
1,2-3,6	DH	OK	35.6 dB @ 224.00MHz	N/A	> 17.2 dB	18.4 dB
1,2-5,4	DH	OK	35.1 dB @ 233.00MHz	N/A	> 16.8 dB	18.3 dB
7,8-3,6	RH	OK	31.3 dB @ 225.50MHz	N/A	> 17.1 dB	14.2 dB
7,8-5,4	RH	OK	45.3 dB @ 249.50MHz	N/A	> 16.2 dB	29.1 dB
7,8-1,2	RH	OK	43.9 dB @ 249.50MHz	N/A	> 16.2 dB	27.7 dB
3,6-7,8	RH	OK	31.6 dB @ 215.50MHz	N/A	> 17.5 dB	14.1 dB
3,6-5,4	RH	OK	30.4 dB @ 224.00MHz	N/A	> 17.2 dB	13.2 dB
3,6-1,2	RH	OK	36.6 dB @ 227.00MHz	N/A	> 17.0 dB	19.6 dB
5,4-7,8	RH	OK	43.7 dB @ 210.50MHz	N/A	> 17.7 dB	26.0 dB
5,4-3,6	RH	OK	31.2 dB @ 226.00MHz	N/A	> 17.1 dB	14.1 dB
5,4-1,2	RH	OK	35.9 dB @ 231.00MHz	N/A	> 16.9 dB	19.0 dB
1,2-7,8	RH	OK	45.8 dB @ 217.50MHz	N/A	> 17.4 dB	28.4 dB
1,2-3,6	RH	OK	36.6 dB @ 223.50MHz	N/A	> 17.2 dB	19.4 dB
1,2-5,4	RH	OK	36.1 dB @ 233.00MHz	N/A	> 16.8 dB	19.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 249.50MHz	N/A	> 32.3 dB	9.0 dB
3,6	DH	OK	40.7 dB @ 249.50MHz	N/A	> 32.3 dB	8.4 dB
5,4	DH	OK	45.5 dB @ 246.00MHz	N/A	> 32.4 dB	13.1 dB
1,2	DH	OK	43.9 dB @ 246.00MHz	N/A	> 32.4 dB	11.5 dB
7,8	RH	OK	42.7 dB @ 249.50MHz	N/A	> 32.3 dB	10.4 dB
3,6	RH	OK	44.1 dB @ 231.50MHz	N/A	> 32.9 dB	11.2 dB
5,4	RH	OK	44.1 dB @ 250.00MHz	N/A	> 32.3 dB	11.8 dB
1,2	RH	OK	46.0 dB @ 227.50MHz	N/A	> 33.0 dB	13.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.1 dB @ 249.50MHz	N/A	>= 1.2 dB	23.9 dB
3,6	DH	OK	23.8 dB @ 247.50MHz	N/A	>= 1.4 dB	22.4 dB
5,4	DH	OK	28.7 dB @ 245.00MHz	N/A	>= 1.7 dB	27.0 dB
1,2	DH	OK	28.6 dB @ 246.00MHz	N/A	>= 1.5 dB	27.1 dB
7,8	RH	OK	26.5 dB @ 249.50MHz	N/A	>= 1.2 dB	25.3 dB
3,6	RH	OK	27.4 dB @ 249.50MHz	N/A	>= 1.2 dB	26.2 dB
5,4	RH	OK	27.6 dB @ 247.50MHz	N/A	>= 1.4 dB	26.2 dB
1,2	RH	OK	31.1 dB @ 227.50MHz	N/A	>= 3.5 dB	27.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.9 dB @ 218.00MHz	N/A	>= 14.4 dB	17.5 dB
3,6	DH	OK	27.5 dB @ 224.00MHz	N/A	>= 14.2 dB	13.3 dB
5,4	DH	OK	29.3 dB @ 232.50MHz	N/A	>= 13.8 dB	15.5 dB
1,2	DH	OK	34.6 dB @ 241.00MHz	N/A	>= 13.5 dB	21.1 dB
7,8	RH	OK	31.0 dB @ 225.50MHz	N/A	>= 14.1 dB	16.9 dB
3,6	RH	OK	27.7 dB @ 224.00MHz	N/A	>= 14.2 dB	13.5 dB
5,4	RH	OK	30.1 dB @ 231.00MHz	N/A	>= 13.9 dB	16.2 dB
1,2	RH	OK	33.9 dB @ 223.50MHz	N/A	>= 14.2 dB	19.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

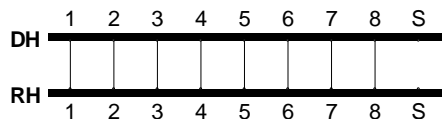
**OK**

ID cavo 1: 0075  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:13:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	47.1m	48.2m	49.4m	47.0m	< 90.0m	OK
Ritardo di propag.	233.1ns	238.5ns	244.0ns	232.7ns	< 510.0ns	OK
Diff. t. ritardo	11.3ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.8 Ohm	99.3 Ohm	98.4 Ohm	101.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.9 Ohm	10.6 Ohm	13.0 Ohm	10.2 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.6pF/m	48.0pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	7.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.1 dB @ 240.50MHz	N/A	> 35.6 dB	5.5 dB
7,8-5,4	DH	OK	52.2 dB @ 232.00MHz	N/A	> 35.8 dB	16.4 dB
7,8-1,2	DH	OK	58.5 dB @ 211.50MHz	N/A	> 36.5 dB	22.0 dB
3,6-5,4	DH	OK	51.7 dB @ 229.50MHz	N/A	> 35.9 dB	15.8 dB
3,6-1,2	DH	OK	46.3 dB @ 245.00MHz	N/A	> 35.5 dB	10.8 dB
5,4-1,2	DH	OK	47.5 dB @ 249.50MHz	N/A	> 35.3 dB	12.2 dB
7,8-3,6	RH	OK	44.9 dB @ 249.00MHz	N/A	> 35.3 dB	9.6 dB
7,8-5,4	RH	OK	43.6 dB @ 237.00MHz	N/A	> 35.7 dB	7.9 dB
7,8-1,2	RH	OK	53.9 dB @ 249.00MHz	N/A	> 35.3 dB	18.6 dB
3,6-5,4	RH	OK	51.3 dB @ 236.00MHz	N/A	> 35.7 dB	15.6 dB
3,6-1,2	RH	OK	48.2 dB @ 233.00MHz	N/A	> 35.8 dB	12.4 dB
5,4-1,2	RH	OK	52.2 dB @ 247.50MHz	N/A	> 35.4 dB	16.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 224.00MHz	N/A	> 10.5 dB	5.5 dB
3,6	DH	OK	16.5 dB @ 230.00MHz	N/A	> 10.4 dB	6.1 dB
5,4	DH	OK	17.1 dB @ 234.50MHz	N/A	> 10.3 dB	6.8 dB
1,2	DH	OK	16.1 dB @ 222.00MHz	N/A	> 10.5 dB	5.6 dB
7,8	RH	OK	15.1 dB @ 224.00MHz	N/A	> 10.5 dB	4.6 dB
3,6	RH	OK	16.9 dB @ 226.00MHz	N/A	> 10.4 dB	6.5 dB
5,4	RH	OK	18.0 dB @ 232.00MHz	N/A	> 10.3 dB	7.7 dB
1,2	RH	OK	18.5 dB @ 211.00MHz	N/A	> 10.7 dB	7.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.1 dB @ 247.50MHz	N/A	< 31.0 dB	15.9 dB
3,6	OK	16.1 dB @ 248.00MHz	N/A	< 31.0 dB	14.9 dB
5,4	OK	15.5 dB @ 249.00MHz	N/A	< 31.1 dB	15.6 dB
1,2	OK	14.5 dB @ 237.00MHz	N/A	< 30.2 dB	15.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.1 dB @ 240.00MHz	N/A	>= 5.2 dB	21.9 dB
3,6	DH	OK	25.1 dB @ 240.50MHz	N/A	>= 5.2 dB	19.9 dB
5,4	DH	OK	32.5 dB @ 249.50MHz	N/A	>= 4.2 dB	28.3 dB
1,2	DH	OK	32.4 dB @ 245.00MHz	N/A	>= 4.7 dB	27.7 dB
7,8	RH	OK	29.3 dB @ 236.50MHz	N/A	>= 5.5 dB	23.8 dB
3,6	RH	OK	29.7 dB @ 248.00MHz	N/A	>= 4.4 dB	25.3 dB
5,4	RH	OK	28.5 dB @ 242.00MHz	N/A	>= 4.9 dB	23.6 dB
1,2	RH	OK	34.4 dB @ 233.00MHz	N/A	>= 5.9 dB	28.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0075  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:13:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.4 dB @ 224.50MHz	N/A	> 17.1 dB	16.3 dB
7,8-5,4	DH	OK	37.9 dB @ 221.00MHz	N/A	> 17.3 dB	20.6 dB
7,8-1,2	DH	OK	43.6 dB @ 249.00MHz	N/A	> 16.2 dB	27.4 dB
3,6-7,8	DH	OK	33.8 dB @ 232.00MHz	N/A	> 16.9 dB	16.9 dB
3,6-5,4	DH	OK	33.5 dB @ 242.00MHz	N/A	> 16.5 dB	17.0 dB
3,6-1,2	DH	OK	40.5 dB @ 177.50MHz	N/A	> 19.2 dB	21.3 dB
5,4-7,8	DH	OK	38.4 dB @ 218.50MHz	N/A	> 17.4 dB	21.0 dB
5,4-3,6	DH	OK	32.1 dB @ 229.00MHz	N/A	> 17.0 dB	15.1 dB
5,4-1,2	DH	OK	38.6 dB @ 249.50MHz	N/A	> 16.2 dB	22.4 dB
1,2-7,8	DH	OK	43.0 dB @ 247.50MHz	N/A	> 16.3 dB	26.7 dB
1,2-3,6	DH	OK	37.1 dB @ 235.00MHz	N/A	> 16.7 dB	20.4 dB
1,2-5,4	DH	OK	37.3 dB @ 249.00MHz	N/A	> 16.2 dB	21.1 dB
7,8-3,6	RH	OK	33.9 dB @ 221.00MHz	N/A	> 17.3 dB	16.6 dB
7,8-5,4	RH	OK	38.1 dB @ 226.00MHz	N/A	> 17.1 dB	21.0 dB
7,8-1,2	RH	OK	43.6 dB @ 250.00MHz	N/A	> 16.2 dB	27.4 dB
3,6-7,8	RH	OK	33.1 dB @ 224.50MHz	N/A	> 17.1 dB	16.0 dB
3,6-5,4	RH	OK	32.8 dB @ 240.50MHz	N/A	> 16.5 dB	16.3 dB
3,6-1,2	RH	OK	39.7 dB @ 179.00MHz	N/A	> 19.1 dB	20.6 dB
5,4-7,8	RH	OK	37.7 dB @ 221.00MHz	N/A	> 17.3 dB	20.4 dB
5,4-3,6	RH	OK	32.1 dB @ 230.00MHz	N/A	> 16.9 dB	15.2 dB
5,4-1,2	RH	OK	37.5 dB @ 249.50MHz	N/A	> 16.2 dB	21.3 dB
1,2-7,8	RH	OK	43.6 dB @ 248.00MHz	N/A	> 16.3 dB	27.3 dB
1,2-3,6	RH	OK	38.4 dB @ 234.00MHz	N/A	> 16.8 dB	21.6 dB
1,2-5,4	RH	OK	38.3 dB @ 248.00MHz	N/A	> 16.3 dB	22.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.7 dB @ 240.50MHz	N/A	> 32.6 dB	8.1 dB
3,6	DH	OK	40.2 dB @ 240.50MHz	N/A	> 32.6 dB	7.6 dB
5,4	DH	OK	46.5 dB @ 249.50MHz	N/A	> 32.3 dB	14.2 dB
1,2	DH	OK	44.2 dB @ 245.00MHz	N/A	> 32.5 dB	11.7 dB
7,8	RH	OK	41.7 dB @ 249.50MHz	N/A	> 32.3 dB	9.4 dB
3,6	RH	OK	43.1 dB @ 249.00MHz	N/A	> 32.3 dB	10.8 dB
5,4	RH	OK	43.0 dB @ 238.00MHz	N/A	> 32.7 dB	10.3 dB
1,2	RH	OK	46.6 dB @ 248.00MHz	N/A	> 32.4 dB	14.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.7 dB @ 240.50MHz	N/A	>= 2.2 dB	24.5 dB
3,6	DH	OK	24.2 dB @ 240.50MHz	N/A	>= 2.2 dB	22.0 dB
5,4	DH	OK	31.4 dB @ 249.00MHz	N/A	>= 1.2 dB	30.2 dB
1,2	DH	OK	30.3 dB @ 245.00MHz	N/A	>= 1.7 dB	28.6 dB
7,8	RH	OK	27.2 dB @ 246.00MHz	N/A	>= 1.5 dB	25.7 dB
3,6	RH	OK	27.4 dB @ 248.00MHz	N/A	>= 1.4 dB	26.0 dB
5,4	RH	OK	28.0 dB @ 239.00MHz	N/A	>= 2.3 dB	25.7 dB
1,2	RH	OK	32.3 dB @ 248.00MHz	N/A	>= 1.4 dB	30.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.2 dB @ 218.50MHz	N/A	>= 14.4 dB	17.8 dB
3,6	DH	OK	29.4 dB @ 229.50MHz	N/A	>= 13.9 dB	15.5 dB
5,4	DH	OK	31.2 dB @ 242.00MHz	N/A	>= 13.5 dB	17.7 dB
1,2	DH	OK	37.2 dB @ 249.00MHz	N/A	>= 13.2 dB	24.0 dB
7,8	RH	OK	32.4 dB @ 222.00MHz	N/A	>= 14.2 dB	18.2 dB
3,6	RH	OK	30.1 dB @ 240.50MHz	N/A	>= 13.5 dB	16.6 dB
5,4	RH	OK	30.4 dB @ 229.00MHz	N/A	>= 14.0 dB	16.4 dB
1,2	RH	OK	35.5 dB @ 238.50MHz	N/A	>= 13.6 dB	21.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0076  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:14:55  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	46.9m	48.2m	49.4m	46.9m	< 90.0m	OK
Ritardo di propag.	232.5ns	238.2ns	243.6ns	232.1ns	< 510.0ns	OK
Diff. t. ritardo	11.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.8 Ohm	99.6 Ohm	98.8 Ohm	101.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.4 Ohm	10.0 Ohm	11.7 Ohm	9.9 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.4pF/m	47.7pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	9.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.4 dB @ 249.00MHz	N/A	> 35.3 dB	7.1 dB
7,8-5,4	DH	OK	52.6 dB @ 231.00MHz	N/A	> 35.9 dB	16.7 dB
7,8-1,2	DH	OK	53.8 dB @ 243.00MHz	N/A	> 35.5 dB	18.3 dB
3,6-5,4	DH	OK	55.2 dB @ 127.50MHz	N/A	> 40.1 dB	15.1 dB
3,6-1,2	DH	OK	45.0 dB @ 238.50MHz	N/A	> 35.7 dB	9.3 dB
5,4-1,2	DH	OK	50.7 dB @ 198.50MHz	N/A	> 37.0 dB	13.7 dB
7,8-3,6	RH	OK	46.9 dB @ 216.00MHz	N/A	> 36.4 dB	10.5 dB
7,8-5,4	RH	OK	45.2 dB @ 237.50MHz	N/A	> 35.7 dB	9.5 dB
7,8-1,2	RH	OK	54.3 dB @ 209.00MHz	N/A	> 36.6 dB	17.7 dB
3,6-5,4	RH	OK	53.3 dB @ 245.00MHz	N/A	> 35.5 dB	17.8 dB
3,6-1,2	RH	OK	46.2 dB @ 242.50MHz	N/A	> 35.5 dB	10.7 dB
5,4-1,2	RH	OK	51.2 dB @ 250.00MHz	N/A	> 35.3 dB	15.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.5 dB @ 227.00MHz	N/A	> 10.4 dB	5.1 dB
3,6	DH	OK	15.6 dB @ 229.00MHz	N/A	> 10.4 dB	5.2 dB
5,4	DH	OK	17.6 dB @ 232.00MHz	N/A	> 10.3 dB	7.3 dB
1,2	DH	OK	17.3 dB @ 218.00MHz	N/A	> 10.6 dB	6.7 dB
7,8	RH	OK	15.4 dB @ 227.00MHz	N/A	> 10.4 dB	5.0 dB
3,6	RH	OK	16.4 dB @ 224.00MHz	N/A	> 10.5 dB	5.9 dB
5,4	RH	OK	17.7 dB @ 234.00MHz	N/A	> 10.3 dB	7.4 dB
1,2	RH	OK	17.4 dB @ 217.50MHz	N/A	> 10.6 dB	6.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.9 dB @ 247.50MHz	N/A	< 31.0 dB	16.1 dB
3,6	OK	16.0 dB @ 245.50MHz	N/A	< 30.8 dB	14.8 dB
5,4	OK	15.5 dB @ 248.50MHz	N/A	< 31.0 dB	15.5 dB
1,2	OK	14.4 dB @ 250.00MHz	N/A	< 31.2 dB	16.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.9 dB @ 249.00MHz	N/A	>= 4.2 dB	23.7 dB
3,6	DH	OK	27.2 dB @ 249.00MHz	N/A	>= 4.2 dB	23.0 dB
5,4	DH	OK	35.7 dB @ 244.00MHz	N/A	>= 4.8 dB	30.9 dB
1,2	DH	OK	30.6 dB @ 238.50MHz	N/A	>= 5.4 dB	25.2 dB
7,8	RH	OK	30.7 dB @ 236.00MHz	N/A	>= 5.6 dB	25.1 dB
3,6	RH	OK	31.1 dB @ 242.00MHz	N/A	>= 4.9 dB	26.2 dB
5,4	RH	OK	29.9 dB @ 236.00MHz	N/A	>= 5.6 dB	24.3 dB
1,2	RH	OK	32.0 dB @ 242.50MHz	N/A	>= 4.9 dB	27.1 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0076  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:14:55  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	40.8 dB @ 169.00MHz	N/A	> 19.6 dB	21.2 dB
7,8-5,4	DH	OK	38.6 dB @ 212.00MHz	N/A	> 17.6 dB	21.0 dB
7,8-1,2	DH	OK	47.7 dB @ 155.50MHz	N/A	> 20.3 dB	27.4 dB
3,6-7,8	DH	OK	40.5 dB @ 224.50MHz	N/A	> 17.1 dB	23.4 dB
3,6-5,4	DH	OK	33.5 dB @ 201.00MHz	N/A	> 18.1 dB	15.4 dB
3,6-1,2	DH	OK	36.0 dB @ 229.00MHz	N/A	> 17.0 dB	19.0 dB
5,4-7,8	DH	OK	38.6 dB @ 212.00MHz	N/A	> 17.6 dB	21.0 dB
5,4-3,6	DH	OK	32.6 dB @ 225.00MHz	N/A	> 17.1 dB	15.5 dB
5,4-1,2	DH	OK	38.9 dB @ 250.00MHz	N/A	> 16.2 dB	22.7 dB
1,2-7,8	DH	OK	46.7 dB @ 155.50MHz	N/A	> 20.3 dB	26.4 dB
1,2-3,6	DH	OK	35.7 dB @ 233.50MHz	N/A	> 16.8 dB	18.9 dB
1,2-5,4	DH	OK	38.1 dB @ 248.50MHz	N/A	> 16.3 dB	21.8 dB
7,8-3,6	RH	OK	41.1 dB @ 224.50MHz	N/A	> 17.1 dB	24.0 dB
7,8-5,4	RH	OK	38.7 dB @ 212.00MHz	N/A	> 17.6 dB	21.1 dB
7,8-1,2	RH	OK	47.6 dB @ 163.00MHz	N/A	> 19.9 dB	27.7 dB
3,6-7,8	RH	OK	39.7 dB @ 225.00MHz	N/A	> 17.1 dB	22.6 dB
3,6-5,4	RH	OK	33.5 dB @ 245.50MHz	N/A	> 16.4 dB	17.1 dB
3,6-1,2	RH	OK	34.8 dB @ 233.50MHz	N/A	> 16.8 dB	18.0 dB
5,4-7,8	RH	OK	38.5 dB @ 212.00MHz	N/A	> 17.6 dB	20.9 dB
5,4-3,6	RH	OK	32.9 dB @ 225.50MHz	N/A	> 17.1 dB	15.8 dB
5,4-1,2	RH	OK	37.8 dB @ 248.50MHz	N/A	> 16.3 dB	21.5 dB
1,2-7,8	RH	OK	46.8 dB @ 155.50MHz	N/A	> 20.3 dB	26.5 dB
1,2-3,6	RH	OK	36.8 dB @ 238.50MHz	N/A	> 16.6 dB	20.2 dB
1,2-5,4	RH	OK	39.0 dB @ 250.00MHz	N/A	> 16.2 dB	22.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.1 dB @ 249.00MHz	N/A	> 32.3 dB	9.8 dB
3,6	DH	OK	40.8 dB @ 240.50MHz	N/A	> 32.6 dB	8.2 dB
5,4	DH	OK	50.1 dB @ 198.50MHz	N/A	> 34.0 dB	16.1 dB
1,2	DH	OK	44.3 dB @ 240.00MHz	N/A	> 32.6 dB	11.7 dB
7,8	RH	OK	43.3 dB @ 237.50MHz	N/A	> 32.7 dB	10.6 dB
3,6	RH	OK	43.9 dB @ 229.00MHz	N/A	> 32.9 dB	11.0 dB
5,4	RH	OK	44.7 dB @ 238.00MHz	N/A	> 32.7 dB	12.0 dB
1,2	RH	OK	45.1 dB @ 242.50MHz	N/A	> 32.5 dB	12.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	27.6 dB @ 249.00MHz	N/A	>= 1.2 dB	26.4 dB
3,6	DH	OK	25.7 dB @ 240.50MHz	N/A	>= 2.2 dB	23.5 dB
5,4	DH	OK	35.4 dB @ 240.00MHz	N/A	>= 2.2 dB	33.2 dB
1,2	DH	OK	29.9 dB @ 238.50MHz	N/A	>= 2.4 dB	27.5 dB
7,8	RH	OK	28.8 dB @ 236.00MHz	N/A	>= 2.6 dB	26.2 dB
3,6	RH	OK	29.2 dB @ 229.00MHz	N/A	>= 3.3 dB	25.9 dB
5,4	RH	OK	29.4 dB @ 237.00MHz	N/A	>= 2.5 dB	26.9 dB
1,2	RH	OK	30.9 dB @ 242.50MHz	N/A	>= 1.9 dB	29.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.8 dB @ 224.50MHz	N/A	>= 14.1 dB	22.7 dB
3,6	DH	OK	30.9 dB @ 233.50MHz	N/A	>= 13.8 dB	17.1 dB
5,4	DH	OK	32.1 dB @ 248.50MHz	N/A	>= 13.3 dB	18.8 dB
1,2	DH	OK	34.5 dB @ 238.50MHz	N/A	>= 13.6 dB	20.9 dB
7,8	RH	OK	36.9 dB @ 216.50MHz	N/A	>= 14.5 dB	22.4 dB
3,6	RH	OK	31.1 dB @ 245.50MHz	N/A	>= 13.4 dB	17.7 dB
5,4	RH	OK	31.5 dB @ 225.50MHz	N/A	>= 14.1 dB	17.4 dB
1,2	RH	OK	35.1 dB @ 238.50MHz	N/A	>= 13.6 dB	21.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

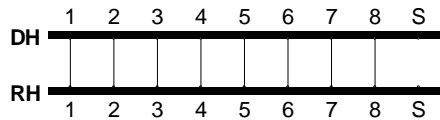
**OK**

ID cavo 1: 0077  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:16:19  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	54.0m	55.2m	56.6m	53.7m	< 90.0m	OK
Ritardo di propag.	265.0ns	270.9ns	277.0ns	263.9ns	< 510.0ns	OK
Diff. t. ritardo	13.1ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.5 Ohm	99.1 Ohm	98.5 Ohm	101.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.8 Ohm	11.4 Ohm	13.1 Ohm	11.2 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.7pF/m	47.9pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	10.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 237.00MHz	N/A	> 35.7 dB	5.8 dB
7,8-5,4	DH	OK	52.3 dB @ 232.50MHz	N/A	> 35.8 dB	16.5 dB
7,8-1,2	DH	OK	58.4 dB @ 194.50MHz	N/A	> 37.1 dB	21.3 dB
3,6-5,4	DH	OK	56.1 dB @ 125.00MHz	N/A	> 40.2 dB	15.9 dB
3,6-1,2	DH	OK	46.0 dB @ 243.50MHz	N/A	> 35.5 dB	10.5 dB
5,4-1,2	DH	OK	48.5 dB @ 250.00MHz	N/A	> 35.3 dB	13.2 dB
7,8-3,6	RH	OK	48.6 dB @ 174.00MHz	N/A	> 37.9 dB	10.7 dB
7,8-5,4	RH	OK	46.1 dB @ 233.00MHz	N/A	> 35.8 dB	10.3 dB
7,8-1,2	RH	OK	51.2 dB @ 200.50MHz	N/A	> 36.9 dB	14.3 dB
3,6-5,4	RH	OK	51.0 dB @ 232.00MHz	N/A	> 35.8 dB	15.2 dB
3,6-1,2	RH	OK	45.5 dB @ 231.50MHz	N/A	> 35.9 dB	9.6 dB
5,4-1,2	RH	OK	50.4 dB @ 213.50MHz	N/A	> 36.4 dB	14.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.5 dB @ 220.50MHz	N/A	> 10.6 dB	4.9 dB
3,6	DH	OK	15.1 dB @ 227.50MHz	N/A	> 10.4 dB	4.7 dB
5,4	DH	OK	18.0 dB @ 236.00MHz	N/A	> 10.3 dB	7.7 dB
1,2	DH	OK	16.5 dB @ 219.00MHz	N/A	> 10.6 dB	5.9 dB
7,8	RH	OK	14.8 dB @ 220.50MHz	N/A	> 10.6 dB	4.2 dB
3,6	RH	OK	17.2 dB @ 227.50MHz	N/A	> 10.4 dB	6.8 dB
5,4	RH	OK	16.0 dB @ 234.00MHz	N/A	> 10.3 dB	5.7 dB
1,2	RH	OK	15.8 dB @ 154.50MHz	N/A	> 12.1 dB	3.7 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.2 dB @ 244.50MHz	N/A	< 30.7 dB	13.5 dB
3,6	OK	17.8 dB @ 242.00MHz	N/A	< 30.6 dB	12.8 dB
5,4	OK	17.9 dB @ 247.00MHz	N/A	< 30.9 dB	13.0 dB
1,2	OK	16.7 dB @ 249.00MHz	N/A	< 31.1 dB	14.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.4 dB @ 237.00MHz	N/A	>= 5.5 dB	19.9 dB
3,6	DH	OK	24.7 dB @ 237.00MHz	N/A	>= 5.5 dB	19.2 dB
5,4	DH	OK	31.5 dB @ 250.00MHz	N/A	>= 4.1 dB	27.4 dB
1,2	DH	OK	30.1 dB @ 243.00MHz	N/A	>= 4.9 dB	25.2 dB
7,8	RH	OK	29.8 dB @ 233.00MHz	N/A	>= 5.9 dB	23.9 dB
3,6	RH	OK	28.7 dB @ 230.50MHz	N/A	>= 6.2 dB	22.5 dB
5,4	RH	OK	29.1 dB @ 233.00MHz	N/A	>= 5.9 dB	23.2 dB
1,2	RH	OK	29.8 dB @ 231.50MHz	N/A	>= 6.1 dB	23.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0077  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:16:19  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.4 dB @ 215.00MHz	N/A	> 17.5 dB	15.9 dB
7,8-5,4	DH	OK	38.3 dB @ 223.00MHz	N/A	> 17.2 dB	21.1 dB
7,8-1,2	DH	OK	36.4 dB @ 249.00MHz	N/A	> 16.2 dB	20.2 dB
3,6-7,8	DH	OK	34.3 dB @ 210.50MHz	N/A	> 17.7 dB	16.6 dB
3,6-5,4	DH	OK	33.3 dB @ 223.00MHz	N/A	> 17.2 dB	16.1 dB
3,6-1,2	DH	OK	34.1 dB @ 223.00MHz	N/A	> 17.2 dB	16.9 dB
5,4-7,8	DH	OK	42.8 dB @ 223.00MHz	N/A	> 17.2 dB	25.6 dB
5,4-3,6	DH	OK	33.7 dB @ 223.00MHz	N/A	> 17.2 dB	16.5 dB
5,4-1,2	DH	OK	36.9 dB @ 223.00MHz	N/A	> 17.2 dB	19.7 dB
1,2-7,8	DH	OK	37.7 dB @ 249.50MHz	N/A	> 16.2 dB	21.5 dB
1,2-3,6	DH	OK	36.6 dB @ 223.00MHz	N/A	> 17.2 dB	19.4 dB
1,2-5,4	DH	OK	34.1 dB @ 223.00MHz	N/A	> 17.2 dB	16.9 dB
7,8-3,6	RH	OK	33.9 dB @ 222.00MHz	N/A	> 17.2 dB	16.7 dB
7,8-5,4	RH	OK	39.0 dB @ 223.00MHz	N/A	> 17.2 dB	21.8 dB
7,8-1,2	RH	OK	36.2 dB @ 249.50MHz	N/A	> 16.2 dB	20.0 dB
3,6-7,8	RH	OK	33.8 dB @ 208.50MHz	N/A	> 17.8 dB	16.0 dB
3,6-5,4	RH	OK	33.2 dB @ 223.00MHz	N/A	> 17.2 dB	16.0 dB
3,6-1,2	RH	OK	33.9 dB @ 223.00MHz	N/A	> 17.2 dB	16.7 dB
5,4-7,8	RH	OK	42.1 dB @ 223.00MHz	N/A	> 17.2 dB	24.9 dB
5,4-3,6	RH	OK	33.8 dB @ 223.00MHz	N/A	> 17.2 dB	16.6 dB
5,4-1,2	RH	OK	36.6 dB @ 230.50MHz	N/A	> 16.9 dB	19.7 dB
1,2-7,8	RH	OK	37.8 dB @ 249.00MHz	N/A	> 16.2 dB	21.6 dB
1,2-3,6	RH	OK	36.8 dB @ 223.00MHz	N/A	> 17.2 dB	19.6 dB
1,2-5,4	RH	OK	34.2 dB @ 223.00MHz	N/A	> 17.2 dB	17.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 237.00MHz	N/A	> 32.7 dB	8.5 dB
3,6	DH	OK	40.4 dB @ 237.00MHz	N/A	> 32.7 dB	7.7 dB
5,4	DH	OK	47.9 dB @ 250.00MHz	N/A	> 32.3 dB	15.6 dB
1,2	DH	OK	45.3 dB @ 243.50MHz	N/A	> 32.5 dB	12.8 dB
7,8	RH	OK	44.8 dB @ 233.00MHz	N/A	> 32.8 dB	12.0 dB
3,6	RH	OK	44.0 dB @ 230.50MHz	N/A	> 32.9 dB	11.1 dB
5,4	RH	OK	45.1 dB @ 233.00MHz	N/A	> 32.8 dB	12.3 dB
1,2	RH	OK	45.0 dB @ 231.50MHz	N/A	> 32.9 dB	12.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.1 dB @ 237.00MHz	N/A	>= 2.5 dB	22.6 dB
3,6	DH	OK	23.6 dB @ 237.00MHz	N/A	>= 2.5 dB	21.1 dB
5,4	DH	OK	30.9 dB @ 250.00MHz	N/A	>= 1.1 dB	29.8 dB
1,2	DH	OK	29.4 dB @ 243.50MHz	N/A	>= 1.8 dB	27.6 dB
7,8	RH	OK	28.5 dB @ 233.00MHz	N/A	>= 2.9 dB	25.6 dB
3,6	RH	OK	27.1 dB @ 230.50MHz	N/A	>= 3.2 dB	23.9 dB
5,4	RH	OK	28.1 dB @ 233.00MHz	N/A	>= 2.9 dB	25.2 dB
1,2	RH	OK	29.3 dB @ 231.50MHz	N/A	>= 3.1 dB	26.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.8 dB @ 213.00MHz	N/A	>= 14.6 dB	18.2 dB
3,6	DH	OK	30.1 dB @ 229.50MHz	N/A	>= 13.9 dB	16.2 dB
5,4	DH	OK	29.9 dB @ 223.00MHz	N/A	>= 14.2 dB	15.7 dB
1,2	DH	OK	31.6 dB @ 223.00MHz	N/A	>= 14.2 dB	17.4 dB
7,8	RH	OK	32.4 dB @ 222.00MHz	N/A	>= 14.2 dB	18.2 dB
3,6	RH	OK	29.4 dB @ 223.00MHz	N/A	>= 14.2 dB	15.2 dB
5,4	RH	OK	31.6 dB @ 223.00MHz	N/A	>= 14.2 dB	17.4 dB
1,2	RH	OK	31.8 dB @ 223.00MHz	N/A	>= 14.2 dB	17.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

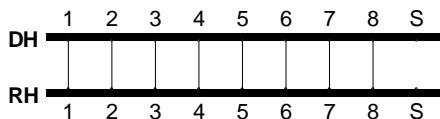
**OK**

ID cavo 1: 0078  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:17:26  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	53.9m	55.3m	56.8m	53.7m	< 90.0m	OK
Ritardo di propag.	264.6ns	271.2ns	278.0ns	263.6ns	< 510.0ns	OK
Diff. t. ritardo	14.4ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.3 Ohm	98.7 Ohm	96.6 Ohm	101.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.9 Ohm	11.9 Ohm	12.6 Ohm	11.1 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.8pF/m	48.9pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	7.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.6 dB @ 247.00MHz	N/A	> 35.4 dB	6.2 dB
7,8-5,4	DH	OK	50.7 dB @ 229.00MHz	N/A	> 35.9 dB	14.8 dB
7,8-1,2	DH	OK	59.5 dB @ 161.50MHz	N/A	> 38.4 dB	21.1 dB
3,6-5,4	DH	OK	55.3 dB @ 233.50MHz	N/A	> 35.8 dB	19.5 dB
3,6-1,2	DH	OK	42.9 dB @ 248.50MHz	N/A	> 35.4 dB	7.5 dB
5,4-1,2	DH	OK	50.3 dB @ 249.50MHz	N/A	> 35.3 dB	15.0 dB
7,8-3,6	RH	OK	43.7 dB @ 243.00MHz	N/A	> 35.5 dB	8.2 dB
7,8-5,4	RH	OK	47.8 dB @ 223.50MHz	N/A	> 36.1 dB	11.7 dB
7,8-1,2	RH	OK	49.4 dB @ 249.00MHz	N/A	> 35.3 dB	14.1 dB
3,6-5,4	RH	OK	51.1 dB @ 222.00MHz	N/A	> 36.2 dB	14.9 dB
3,6-1,2	RH	OK	45.6 dB @ 222.00MHz	N/A	> 36.2 dB	9.4 dB
5,4-1,2	RH	OK	55.9 dB @ 197.00MHz	N/A	> 37.0 dB	18.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 222.50MHz	N/A	> 10.5 dB	5.9 dB
3,6	DH	OK	16.4 dB @ 223.00MHz	N/A	> 10.5 dB	5.9 dB
5,4	DH	OK	17.2 dB @ 236.00MHz	N/A	> 10.3 dB	6.9 dB
1,2	DH	OK	16.4 dB @ 223.00MHz	N/A	> 10.5 dB	5.9 dB
7,8	RH	OK	14.6 dB @ 210.00MHz	N/A	> 10.8 dB	3.8 dB
3,6	RH	OK	16.0 dB @ 210.00MHz	N/A	> 10.8 dB	5.2 dB
5,4	RH	OK	15.6 dB @ 232.00MHz	N/A	> 10.3 dB	5.3 dB
1,2	RH	OK	14.5 dB @ 212.50MHz	N/A	> 10.7 dB	3.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.4 dB @ 247.50MHz	N/A	< 31.0 dB	13.6 dB
3,6	OK	17.9 dB @ 241.50MHz	N/A	< 30.5 dB	12.6 dB
5,4	OK	18.3 dB @ 249.00MHz	N/A	< 31.1 dB	12.8 dB
1,2	OK	16.9 dB @ 246.00MHz	N/A	< 30.9 dB	14.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.5 dB @ 247.50MHz	N/A	>= 4.4 dB	20.1 dB
3,6	DH	OK	24.2 dB @ 247.00MHz	N/A	>= 4.5 dB	19.7 dB
5,4	DH	OK	32.3 dB @ 249.00MHz	N/A	>= 4.2 dB	28.1 dB
1,2	DH	OK	26.6 dB @ 247.00MHz	N/A	>= 4.5 dB	22.1 dB
7,8	RH	OK	27.0 dB @ 243.00MHz	N/A	>= 4.9 dB	22.1 dB
3,6	RH	OK	26.7 dB @ 243.00MHz	N/A	>= 4.9 dB	21.8 dB
5,4	RH	OK	30.6 dB @ 232.00MHz	N/A	>= 6.0 dB	24.6 dB
1,2	RH	OK	30.2 dB @ 222.00MHz	N/A	>= 7.1 dB	23.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0078  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:17:26  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	37.0 dB @ 171.50MHz	N/A	> 19.5 dB	17.5 dB
7,8-5,4	DH	OK	41.9 dB @ 198.50MHz	N/A	> 18.2 dB	23.7 dB
7,8-1,2	DH	OK	43.7 dB @ 250.00MHz	N/A	> 16.2 dB	27.5 dB
3,6-7,8	DH	OK	37.0 dB @ 172.00MHz	N/A	> 19.4 dB	17.6 dB
3,6-5,4	DH	OK	32.9 dB @ 227.50MHz	N/A	> 17.0 dB	15.9 dB
3,6-1,2	DH	OK	42.7 dB @ 133.50MHz	N/A	> 21.6 dB	21.1 dB
5,4-7,8	DH	OK	41.5 dB @ 213.50MHz	N/A	> 17.6 dB	23.9 dB
5,4-3,6	DH	OK	34.3 dB @ 196.50MHz	N/A	> 18.3 dB	16.0 dB
5,4-1,2	DH	OK	38.2 dB @ 226.00MHz	N/A	> 17.1 dB	21.1 dB
1,2-7,8	DH	OK	44.0 dB @ 249.00MHz	N/A	> 16.2 dB	27.8 dB
1,2-3,6	DH	OK	41.0 dB @ 219.00MHz	N/A	> 17.4 dB	23.6 dB
1,2-5,4	DH	OK	35.5 dB @ 227.50MHz	N/A	> 17.0 dB	18.5 dB
7,8-3,6	RH	OK	37.5 dB @ 171.50MHz	N/A	> 19.5 dB	18.0 dB
7,8-5,4	RH	OK	42.6 dB @ 200.50MHz	N/A	> 18.1 dB	24.5 dB
7,8-1,2	RH	OK	42.7 dB @ 249.00MHz	N/A	> 16.2 dB	26.5 dB
3,6-7,8	RH	OK	36.5 dB @ 173.00MHz	N/A	> 19.4 dB	17.1 dB
3,6-5,4	RH	OK	33.3 dB @ 226.50MHz	N/A	> 17.1 dB	16.2 dB
3,6-1,2	RH	OK	41.7 dB @ 222.00MHz	N/A	> 17.2 dB	24.5 dB
5,4-7,8	RH	OK	40.9 dB @ 206.50MHz	N/A	> 17.9 dB	23.0 dB
5,4-3,6	RH	OK	33.9 dB @ 235.00MHz	N/A	> 16.7 dB	17.2 dB
5,4-1,2	RH	OK	36.9 dB @ 227.50MHz	N/A	> 17.0 dB	19.9 dB
1,2-7,8	RH	OK	44.4 dB @ 246.00MHz	N/A	> 16.3 dB	28.1 dB
1,2-3,6	RH	OK	42.2 dB @ 219.00MHz	N/A	> 17.4 dB	24.8 dB
1,2-5,4	RH	OK	37.0 dB @ 225.00MHz	N/A	> 17.1 dB	19.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 247.00MHz	N/A	> 32.4 dB	9.0 dB
3,6	DH	OK	39.2 dB @ 247.00MHz	N/A	> 32.4 dB	6.8 dB
5,4	DH	OK	48.6 dB @ 229.50MHz	N/A	> 32.9 dB	15.7 dB
1,2	DH	OK	42.1 dB @ 248.50MHz	N/A	> 32.4 dB	9.7 dB
7,8	RH	OK	42.7 dB @ 243.00MHz	N/A	> 32.5 dB	10.2 dB
3,6	RH	OK	42.0 dB @ 243.00MHz	N/A	> 32.5 dB	9.5 dB
5,4	RH	OK	46.3 dB @ 231.50MHz	N/A	> 32.9 dB	13.4 dB
1,2	RH	OK	45.5 dB @ 238.00MHz	N/A	> 32.7 dB	12.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.3 dB @ 247.50MHz	N/A	>= 1.4 dB	22.9 dB
3,6	DH	OK	21.8 dB @ 247.00MHz	N/A	>= 1.5 dB	20.3 dB
5,4	DH	OK	31.0 dB @ 244.00MHz	N/A	>= 1.8 dB	29.2 dB
1,2	DH	OK	25.8 dB @ 247.00MHz	N/A	>= 1.5 dB	24.3 dB
7,8	RH	OK	25.6 dB @ 247.50MHz	N/A	>= 1.4 dB	24.2 dB
3,6	RH	OK	25.0 dB @ 243.00MHz	N/A	>= 1.9 dB	23.1 dB
5,4	RH	OK	29.1 dB @ 231.50MHz	N/A	>= 3.1 dB	26.0 dB
1,2	RH	OK	29.5 dB @ 236.00MHz	N/A	>= 2.6 dB	26.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.0 dB @ 217.50MHz	N/A	>= 14.4 dB	21.6 dB
3,6	DH	OK	32.3 dB @ 219.00MHz	N/A	>= 14.4 dB	17.9 dB
5,4	DH	OK	30.9 dB @ 227.50MHz	N/A	>= 14.0 dB	16.9 dB
1,2	DH	OK	36.5 dB @ 224.00MHz	N/A	>= 14.2 dB	22.3 dB
7,8	RH	OK	36.6 dB @ 202.50MHz	N/A	>= 15.0 dB	21.6 dB
3,6	RH	OK	31.9 dB @ 226.50MHz	N/A	>= 14.1 dB	17.8 dB
5,4	RH	OK	32.0 dB @ 220.50MHz	N/A	>= 14.3 dB	17.7 dB
1,2	RH	OK	35.8 dB @ 225.00MHz	N/A	>= 14.1 dB	21.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

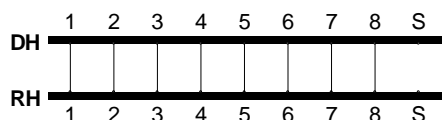
## OK

ID cavo 1: 0079  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:19:43  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.1m	50.4m	51.8m	49.0m	< 90.0m	OK
Ritardo di propag.	242.7ns	248.5ns	254.9ns	241.9ns	< 510.0ns	OK
Diff. t. ritardo	13.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.0 Ohm	96.3 Ohm	101.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.7 Ohm	11.1 Ohm	12.6 Ohm	10.8 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.7pF/m	49.0pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	7.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.3 dB @ 235.50MHz	N/A	> 35.7 dB	5.6 dB
7,8-5,4	DH	OK	54.5 dB @ 249.00MHz	N/A	> 35.3 dB	19.2 dB
7,8-1,2	DH	OK	52.8 dB @ 228.50MHz	N/A	> 36.0 dB	16.8 dB
3,6-5,4	DH	OK	51.5 dB @ 228.50MHz	N/A	> 36.0 dB	15.5 dB
3,6-1,2	DH	OK	45.1 dB @ 241.00MHz	N/A	> 35.6 dB	9.5 dB
5,4-1,2	DH	OK	48.6 dB @ 247.00MHz	N/A	> 35.4 dB	13.2 dB
7,8-3,6	RH	OK	45.7 dB @ 236.00MHz	N/A	> 35.7 dB	10.0 dB
7,8-5,4	RH	OK	46.7 dB @ 249.00MHz	N/A	> 35.3 dB	11.4 dB
7,8-1,2	RH	OK	53.5 dB @ 220.00MHz	N/A	> 36.2 dB	17.3 dB
3,6-5,4	RH	OK	50.4 dB @ 241.50MHz	N/A	> 35.6 dB	14.8 dB
3,6-1,2	RH	OK	46.9 dB @ 220.50MHz	N/A	> 36.2 dB	10.7 dB
5,4-1,2	RH	OK	52.3 dB @ 223.00MHz	N/A	> 36.1 dB	16.2 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.3 dB @ 223.50MHz	N/A	> 10.5 dB	4.8 dB
3,6	DH	OK	15.9 dB @ 223.00MHz	N/A	> 10.5 dB	5.4 dB
5,4	DH	OK	17.1 dB @ 233.00MHz	N/A	> 10.3 dB	6.8 dB
1,2	DH	OK	19.2 dB @ 107.50MHz	N/A	> 13.7 dB	5.5 dB
7,8	RH	OK	15.3 dB @ 223.50MHz	N/A	> 10.5 dB	4.8 dB
3,6	RH	OK	16.5 dB @ 231.00MHz	N/A	> 10.4 dB	6.1 dB
5,4	RH	OK	18.5 dB @ 229.50MHz	N/A	> 10.4 dB	8.1 dB
1,2	RH	OK	17.7 dB @ 103.00MHz	N/A	> 13.9 dB	3.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.6 dB @ 247.50MHz	N/A	< 31.0 dB	15.4 dB
3,6	OK	16.3 dB @ 249.00MHz	N/A	< 31.1 dB	14.8 dB
5,4	OK	17.2 dB @ 248.50MHz	N/A	< 31.0 dB	13.8 dB
1,2	OK	15.1 dB @ 243.00MHz	N/A	< 30.6 dB	15.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.4 dB @ 236.50MHz	N/A	>= 5.5 dB	20.9 dB
3,6	DH	OK	25.2 dB @ 243.00MHz	N/A	>= 4.9 dB	20.3 dB
5,4	DH	OK	32.4 dB @ 247.00MHz	N/A	>= 4.5 dB	27.9 dB
1,2	DH	OK	30.4 dB @ 248.50MHz	N/A	>= 4.4 dB	26.0 dB
7,8	RH	OK	30.5 dB @ 240.00MHz	N/A	>= 5.2 dB	25.3 dB
3,6	RH	OK	30.0 dB @ 235.50MHz	N/A	>= 5.6 dB	24.4 dB
5,4	RH	OK	30.0 dB @ 248.50MHz	N/A	>= 4.4 dB	25.6 dB
1,2	RH	OK	32.2 dB @ 232.00MHz	N/A	>= 6.0 dB	26.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0079  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:19:43  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.1 dB @ 222.50MHz	N/A	> 17.2 dB	13.9 dB
7,8-5,4	DH	OK	42.6 dB @ 214.00MHz	N/A	> 17.6 dB	25.0 dB
7,8-1,2	DH	OK	45.3 dB @ 227.00MHz	N/A	> 17.0 dB	28.3 dB
3,6-7,8	DH	OK	31.2 dB @ 225.50MHz	N/A	> 17.1 dB	14.1 dB
3,6-5,4	DH	OK	33.8 dB @ 248.50MHz	N/A	> 16.3 dB	17.5 dB
3,6-1,2	DH	OK	38.4 dB @ 238.50MHz	N/A	> 16.6 dB	21.8 dB
5,4-7,8	DH	OK	42.9 dB @ 225.00MHz	N/A	> 17.1 dB	25.8 dB
5,4-3,6	DH	OK	33.2 dB @ 224.50MHz	N/A	> 17.1 dB	16.1 dB
5,4-1,2	DH	OK	39.3 dB @ 243.00MHz	N/A	> 16.5 dB	22.8 dB
1,2-7,8	DH	OK	43.7 dB @ 247.50MHz	N/A	> 16.3 dB	27.4 dB
1,2-3,6	DH	OK	38.5 dB @ 231.50MHz	N/A	> 16.9 dB	21.6 dB
1,2-5,4	DH	OK	36.6 dB @ 248.50MHz	N/A	> 16.3 dB	20.3 dB
7,8-3,6	RH	OK	32.0 dB @ 225.00MHz	N/A	> 17.1 dB	14.9 dB
7,8-5,4	RH	OK	43.4 dB @ 214.50MHz	N/A	> 17.5 dB	25.9 dB
7,8-1,2	RH	OK	44.9 dB @ 227.00MHz	N/A	> 17.0 dB	27.9 dB
3,6-7,8	RH	OK	30.7 dB @ 222.50MHz	N/A	> 17.2 dB	13.5 dB
3,6-5,4	RH	OK	34.0 dB @ 206.50MHz	N/A	> 17.9 dB	16.1 dB
3,6-1,2	RH	OK	37.3 dB @ 241.00MHz	N/A	> 16.5 dB	20.8 dB
5,4-7,8	RH	OK	41.6 dB @ 224.00MHz	N/A	> 17.2 dB	24.4 dB
5,4-3,6	RH	OK	32.8 dB @ 240.00MHz	N/A	> 16.6 dB	16.2 dB
5,4-1,2	RH	OK	37.2 dB @ 248.50MHz	N/A	> 16.3 dB	20.9 dB
1,2-7,8	RH	OK	43.9 dB @ 243.00MHz	N/A	> 16.5 dB	27.4 dB
1,2-3,6	RH	OK	38.8 dB @ 232.00MHz	N/A	> 16.9 dB	21.9 dB
1,2-5,4	RH	OK	38.9 dB @ 248.50MHz	N/A	> 16.3 dB	22.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.1 dB @ 244.00MHz	N/A	> 32.5 dB	8.6 dB
3,6	DH	OK	40.1 dB @ 241.50MHz	N/A	> 32.6 dB	7.5 dB
5,4	DH	OK	47.4 dB @ 247.00MHz	N/A	> 32.4 dB	15.0 dB
1,2	DH	OK	43.3 dB @ 247.50MHz	N/A	> 32.4 dB	10.9 dB
7,8	RH	OK	43.3 dB @ 236.00MHz	N/A	> 32.7 dB	10.6 dB
3,6	RH	OK	43.3 dB @ 241.50MHz	N/A	> 32.6 dB	10.7 dB
5,4	RH	OK	45.6 dB @ 249.00MHz	N/A	> 32.3 dB	13.3 dB
1,2	RH	OK	45.7 dB @ 220.50MHz	N/A	> 33.2 dB	12.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.0 dB @ 243.00MHz	N/A	>= 1.9 dB	24.1 dB
3,6	DH	OK	23.8 dB @ 241.00MHz	N/A	>= 2.1 dB	21.7 dB
5,4	DH	OK	31.2 dB @ 245.00MHz	N/A	>= 1.7 dB	29.5 dB
1,2	DH	OK	28.7 dB @ 248.50MHz	N/A	>= 1.4 dB	27.3 dB
7,8	RH	OK	28.2 dB @ 236.50MHz	N/A	>= 2.5 dB	25.7 dB
3,6	RH	OK	27.1 dB @ 241.00MHz	N/A	>= 2.1 dB	25.0 dB
5,4	RH	OK	28.8 dB @ 248.50MHz	N/A	>= 1.4 dB	27.4 dB
1,2	RH	OK	31.2 dB @ 219.00MHz	N/A	>= 4.4 dB	26.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.8 dB @ 225.50MHz	N/A	>= 14.1 dB	16.7 dB
3,6	DH	OK	28.6 dB @ 222.50MHz	N/A	>= 14.2 dB	14.4 dB
5,4	DH	OK	31.8 dB @ 248.50MHz	N/A	>= 13.3 dB	18.5 dB
1,2	DH	OK	35.7 dB @ 243.00MHz	N/A	>= 13.5 dB	22.2 dB
7,8	RH	OK	31.5 dB @ 225.00MHz	N/A	>= 14.1 dB	17.4 dB
3,6	RH	OK	28.7 dB @ 222.50MHz	N/A	>= 14.2 dB	14.5 dB
5,4	RH	OK	31.4 dB @ 240.00MHz	N/A	>= 13.6 dB	17.8 dB
1,2	RH	OK	36.1 dB @ 248.50MHz	N/A	>= 13.3 dB	22.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0080  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:22:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.1m	50.3m	51.7m	48.9m	< 90.0m	OK
Ritardo di propag.	242.3ns	248.2ns	254.6ns	241.7ns	< 510.0ns	OK
Diff. t. ritardo	12.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.7 Ohm	99.0 Ohm	96.4 Ohm	101.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.8 Ohm	10.7 Ohm	12.0 Ohm	9.9 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.7pF/m	49.0pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	9.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.1 dB @ 237.50MHz	N/A	> 35.7 dB	6.4 dB
7,8-5,4	DH	OK	48.3 dB @ 177.00MHz	N/A	> 37.8 dB	10.5 dB
7,8-1,2	DH	OK	54.1 dB @ 200.50MHz	N/A	> 36.9 dB	17.2 dB
3,6-5,4	DH	OK	51.2 dB @ 159.50MHz	N/A	> 38.5 dB	12.7 dB
3,6-1,2	DH	OK	47.0 dB @ 230.50MHz	N/A	> 35.9 dB	11.1 dB
5,4-1,2	DH	OK	49.7 dB @ 213.00MHz	N/A	> 36.5 dB	13.2 dB
7,8-3,6	RH	OK	46.3 dB @ 232.50MHz	N/A	> 35.8 dB	10.5 dB
7,8-5,4	RH	OK	46.9 dB @ 245.00MHz	N/A	> 35.5 dB	11.4 dB
7,8-1,2	RH	OK	53.6 dB @ 214.00MHz	N/A	> 36.4 dB	17.2 dB
3,6-5,4	RH	OK	55.7 dB @ 159.50MHz	N/A	> 38.5 dB	17.2 dB
3,6-1,2	RH	OK	46.4 dB @ 237.00MHz	N/A	> 35.7 dB	10.7 dB
5,4-1,2	RH	OK	52.9 dB @ 150.50MHz	N/A	> 38.9 dB	14.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.8 dB @ 226.00MHz	N/A	> 10.4 dB	4.4 dB
3,6	DH	OK	16.0 dB @ 227.00MHz	N/A	> 10.4 dB	5.6 dB
5,4	DH	OK	17.1 dB @ 223.00MHz	N/A	> 10.5 dB	6.6 dB
1,2	DH	OK	15.3 dB @ 216.00MHz	N/A	> 10.6 dB	4.7 dB
7,8	RH	OK	14.5 dB @ 224.00MHz	N/A	> 10.5 dB	4.0 dB
3,6	RH	OK	16.0 dB @ 228.00MHz	N/A	> 10.4 dB	5.6 dB
5,4	RH	OK	17.8 dB @ 227.00MHz	N/A	> 10.4 dB	7.4 dB
1,2	RH	OK	15.2 dB @ 228.00MHz	N/A	> 10.4 dB	4.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.8 dB @ 238.50MHz	N/A	< 30.3 dB	14.5 dB
3,6	OK	16.2 dB @ 241.50MHz	N/A	< 30.5 dB	14.3 dB
5,4	OK	16.6 dB @ 246.50MHz	N/A	< 30.9 dB	14.3 dB
1,2	OK	15.5 dB @ 249.00MHz	N/A	< 31.1 dB	15.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.4 dB @ 238.50MHz	N/A	>= 5.4 dB	21.0 dB
3,6	DH	OK	26.1 dB @ 237.50MHz	N/A	>= 5.5 dB	20.6 dB
5,4	DH	OK	34.3 dB @ 249.50MHz	N/A	>= 4.2 dB	30.1 dB
1,2	DH	OK	32.7 dB @ 237.50MHz	N/A	>= 5.5 dB	27.2 dB
7,8	RH	OK	31.4 dB @ 232.50MHz	N/A	>= 5.9 dB	25.5 dB
3,6	RH	OK	30.5 dB @ 232.50MHz	N/A	>= 5.9 dB	24.6 dB
5,4	RH	OK	30.9 dB @ 245.00MHz	N/A	>= 4.7 dB	26.2 dB
1,2	RH	OK	31.9 dB @ 237.50MHz	N/A	>= 5.5 dB	26.4 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0080  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:22:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.6 dB @ 232.50MHz	N/A	> 16.8 dB	18.8 dB
7,8-5,4	DH	OK	46.0 dB @ 210.50MHz	N/A	> 17.7 dB	28.3 dB
7,8-1,2	DH	OK	43.4 dB @ 249.00MHz	N/A	> 16.2 dB	27.2 dB
3,6-7,8	DH	OK	37.5 dB @ 179.50MHz	N/A	> 19.1 dB	18.4 dB
3,6-5,4	DH	OK	32.9 dB @ 246.50MHz	N/A	> 16.3 dB	16.6 dB
3,6-1,2	DH	OK	40.9 dB @ 177.50MHz	N/A	> 19.2 dB	21.7 dB
5,4-7,8	DH	OK	44.2 dB @ 206.00MHz	N/A	> 17.9 dB	26.3 dB
5,4-3,6	DH	OK	32.3 dB @ 224.50MHz	N/A	> 17.1 dB	15.2 dB
5,4-1,2	DH	OK	37.2 dB @ 249.00MHz	N/A	> 16.2 dB	21.0 dB
1,2-7,8	DH	OK	43.7 dB @ 248.50MHz	N/A	> 16.3 dB	27.4 dB
1,2-3,6	DH	OK	40.3 dB @ 224.50MHz	N/A	> 17.1 dB	23.2 dB
1,2-5,4	DH	OK	35.9 dB @ 243.00MHz	N/A	> 16.5 dB	19.4 dB
7,8-3,6	RH	OK	36.0 dB @ 226.00MHz	N/A	> 17.1 dB	18.9 dB
7,8-5,4	RH	OK	46.8 dB @ 210.50MHz	N/A	> 17.7 dB	29.1 dB
7,8-1,2	RH	OK	43.5 dB @ 248.50MHz	N/A	> 16.3 dB	27.2 dB
3,6-7,8	RH	OK	37.2 dB @ 224.50MHz	N/A	> 17.1 dB	20.1 dB
3,6-5,4	RH	OK	33.3 dB @ 246.00MHz	N/A	> 16.3 dB	17.0 dB
3,6-1,2	RH	OK	40.1 dB @ 178.50MHz	N/A	> 19.1 dB	21.0 dB
5,4-7,8	RH	OK	44.0 dB @ 206.00MHz	N/A	> 17.9 dB	26.1 dB
5,4-3,6	RH	OK	31.9 dB @ 224.50MHz	N/A	> 17.1 dB	14.8 dB
5,4-1,2	RH	OK	36.1 dB @ 246.50MHz	N/A	> 16.3 dB	19.8 dB
1,2-7,8	RH	OK	43.9 dB @ 249.00MHz	N/A	> 16.2 dB	27.7 dB
1,2-3,6	RH	OK	41.7 dB @ 229.50MHz	N/A	> 16.9 dB	24.8 dB
1,2-5,4	RH	OK	37.0 dB @ 249.00MHz	N/A	> 16.2 dB	20.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.9 dB @ 239.50MHz	N/A	> 32.6 dB	9.3 dB
3,6	DH	OK	40.8 dB @ 237.50MHz	N/A	> 32.7 dB	8.1 dB
5,4	DH	OK	46.2 dB @ 212.50MHz	N/A	> 33.5 dB	12.7 dB
1,2	DH	OK	45.9 dB @ 213.50MHz	N/A	> 33.4 dB	12.5 dB
7,8	RH	OK	43.9 dB @ 232.50MHz	N/A	> 32.8 dB	11.1 dB
3,6	RH	OK	43.8 dB @ 235.00MHz	N/A	> 32.8 dB	11.0 dB
5,4	RH	OK	46.3 dB @ 245.00MHz	N/A	> 32.5 dB	13.8 dB
1,2	RH	OK	46.3 dB @ 237.00MHz	N/A	> 32.7 dB	13.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.2 dB @ 238.50MHz	N/A	>= 2.4 dB	23.8 dB
3,6	DH	OK	24.8 dB @ 237.50MHz	N/A	>= 2.5 dB	22.3 dB
5,4	DH	OK	31.2 dB @ 250.00MHz	N/A	>= 1.1 dB	30.1 dB
1,2	DH	OK	31.5 dB @ 237.50MHz	N/A	>= 2.5 dB	29.0 dB
7,8	RH	OK	29.0 dB @ 232.50MHz	N/A	>= 2.9 dB	26.1 dB
3,6	RH	OK	28.1 dB @ 234.50MHz	N/A	>= 2.8 dB	25.3 dB
5,4	RH	OK	30.3 dB @ 245.00MHz	N/A	>= 1.7 dB	28.6 dB
1,2	RH	OK	31.8 dB @ 237.50MHz	N/A	>= 2.5 dB	29.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.8 dB @ 222.50MHz	N/A	>= 14.2 dB	22.6 dB
3,6	DH	OK	30.2 dB @ 224.50MHz	N/A	>= 14.1 dB	16.1 dB
5,4	DH	OK	31.1 dB @ 243.00MHz	N/A	>= 13.5 dB	17.6 dB
1,2	DH	OK	36.2 dB @ 249.00MHz	N/A	>= 13.2 dB	23.0 dB
7,8	RH	OK	35.7 dB @ 226.00MHz	N/A	>= 14.1 dB	21.6 dB
3,6	RH	OK	32.1 dB @ 203.50MHz	N/A	>= 15.0 dB	17.1 dB
5,4	RH	OK	30.5 dB @ 243.00MHz	N/A	>= 13.5 dB	17.0 dB
1,2	RH	OK	36.1 dB @ 249.00MHz	N/A	>= 13.2 dB	22.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

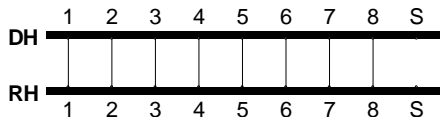
**OK**

ID cavo 1: 0081  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:23:49  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**Coppia (NVP)**

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	48.9m	50.0m	51.5m	48.6m	< 90.0m	OK
Ritardo di propag.	241.3ns	246.8ns	253.8ns	240.3ns	< 510.0ns	OK
Diff. t. ritardo	13.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.2 Ohm	99.7 Ohm	96.8 Ohm	102.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.6 Ohm	11.0 Ohm	12.2 Ohm	10.5 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.4pF/m	48.8pF/m	46.2pF/m	< 66.0pF/m	OK
Riserva	7.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	39.6 dB @ 250.00MHz	N/A	> 35.3 dB	4.3 dB
7,8-5,4	DH	OK	51.1 dB @ 230.00MHz	N/A	> 35.9 dB	15.2 dB
7,8-1,2	DH	OK	55.6 dB @ 250.00MHz	N/A	> 35.3 dB	20.3 dB
3,6-5,4	DH	OK	52.5 dB @ 238.50MHz	N/A	> 35.7 dB	16.8 dB
3,6-1,2	DH	OK	45.1 dB @ 250.00MHz	N/A	> 35.3 dB	9.8 dB
5,4-1,2	DH	OK	50.0 dB @ 244.50MHz	N/A	> 35.5 dB	14.5 dB
7,8-3,6	RH	OK	48.0 dB @ 232.50MHz	N/A	> 35.8 dB	12.2 dB
7,8-5,4	RH	OK	45.3 dB @ 233.00MHz	N/A	> 35.8 dB	9.5 dB
7,8-1,2	RH	OK	59.3 dB @ 218.00MHz	N/A	> 36.3 dB	23.0 dB
3,6-5,4	RH	OK	53.6 dB @ 250.00MHz	N/A	> 35.3 dB	18.3 dB
3,6-1,2	RH	OK	47.0 dB @ 219.50MHz	N/A	> 36.2 dB	10.8 dB
5,4-1,2	RH	OK	51.7 dB @ 149.50MHz	N/A	> 39.0 dB	12.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.4 dB @ 222.50MHz	N/A	> 10.5 dB	3.9 dB
3,6	DH	OK	15.5 dB @ 229.00MHz	N/A	> 10.4 dB	5.1 dB
5,4	DH	OK	16.8 dB @ 228.00MHz	N/A	> 10.4 dB	6.4 dB
1,2	DH	OK	15.8 dB @ 216.50MHz	N/A	> 10.6 dB	5.2 dB
7,8	RH	OK	15.7 dB @ 220.50MHz	N/A	> 10.6 dB	5.1 dB
3,6	RH	OK	16.9 dB @ 215.50MHz	N/A	> 10.7 dB	6.2 dB
5,4	RH	OK	17.3 dB @ 234.00MHz	N/A	> 10.3 dB	7.0 dB
1,2	RH	OK	17.8 dB @ 216.50MHz	N/A	> 10.6 dB	7.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.6 dB @ 247.50MHz	N/A	< 31.0 dB	15.4 dB
3,6	OK	16.5 dB @ 239.00MHz	N/A	< 30.3 dB	13.8 dB
5,4	OK	16.5 dB @ 241.50MHz	N/A	< 30.5 dB	14.0 dB
1,2	OK	14.7 dB @ 250.00MHz	N/A	< 31.2 dB	16.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.7 dB @ 250.00MHz	N/A	>= 4.1 dB	20.6 dB
3,6	DH	OK	24.2 dB @ 250.00MHz	N/A	>= 4.1 dB	20.1 dB
5,4	DH	OK	33.8 dB @ 244.50MHz	N/A	>= 4.8 dB	29.0 dB
1,2	DH	OK	30.4 dB @ 250.00MHz	N/A	>= 4.1 dB	26.3 dB
7,8	RH	OK	30.1 dB @ 247.50MHz	N/A	>= 4.4 dB	25.7 dB
3,6	RH	OK	31.8 dB @ 224.50MHz	N/A	>= 6.8 dB	25.0 dB
5,4	RH	OK	29.3 dB @ 248.50MHz	N/A	>= 4.4 dB	24.9 dB
1,2	RH	OK	33.0 dB @ 219.50MHz	N/A	>= 7.3 dB	25.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0081  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:23:49  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	29.3 dB @ 230.50MHz	N/A	> 16.9 dB	12.4 dB
7,8-5,4	DH	OK	41.3 dB @ 225.50MHz	N/A	> 17.1 dB	24.2 dB
7,8-1,2	DH	OK	49.0 dB @ 219.50MHz	N/A	> 17.3 dB	31.7 dB
3,6-7,8	DH	OK	29.3 dB @ 224.00MHz	N/A	> 17.2 dB	12.1 dB
3,6-5,4	DH	OK	34.8 dB @ 200.00MHz	N/A	> 18.1 dB	16.7 dB
3,6-1,2	DH	OK	38.9 dB @ 230.00MHz	N/A	> 16.9 dB	22.0 dB
5,4-7,8	DH	OK	40.6 dB @ 224.00MHz	N/A	> 17.2 dB	23.4 dB
5,4-3,6	DH	OK	35.1 dB @ 208.00MHz	N/A	> 17.8 dB	17.3 dB
5,4-1,2	DH	OK	36.6 dB @ 246.50MHz	N/A	> 16.3 dB	20.3 dB
1,2-7,8	DH	OK	49.3 dB @ 240.50MHz	N/A	> 16.5 dB	32.8 dB
1,2-3,6	DH	OK	38.3 dB @ 224.50MHz	N/A	> 17.1 dB	21.2 dB
1,2-5,4	DH	OK	33.9 dB @ 241.50MHz	N/A	> 16.5 dB	17.4 dB
7,8-3,6	RH	OK	29.6 dB @ 212.50MHz	N/A	> 17.6 dB	12.0 dB
7,8-5,4	RH	OK	42.3 dB @ 225.50MHz	N/A	> 17.1 dB	25.2 dB
7,8-1,2	RH	OK	48.8 dB @ 224.00MHz	N/A	> 17.2 dB	31.6 dB
3,6-7,8	RH	OK	28.7 dB @ 239.00MHz	N/A	> 16.6 dB	12.1 dB
3,6-5,4	RH	OK	35.3 dB @ 199.50MHz	N/A	> 18.2 dB	17.1 dB
3,6-1,2	RH	OK	37.5 dB @ 239.00MHz	N/A	> 16.6 dB	20.9 dB
5,4-7,8	RH	OK	40.0 dB @ 225.50MHz	N/A	> 17.1 dB	22.9 dB
5,4-3,6	RH	OK	34.8 dB @ 237.00MHz	N/A	> 16.7 dB	18.1 dB
5,4-1,2	RH	OK	34.8 dB @ 243.00MHz	N/A	> 16.5 dB	18.3 dB
1,2-7,8	RH	OK	49.8 dB @ 239.00MHz	N/A	> 16.6 dB	33.2 dB
1,2-3,6	RH	OK	39.8 dB @ 224.50MHz	N/A	> 17.1 dB	22.7 dB
1,2-5,4	RH	OK	35.8 dB @ 246.50MHz	N/A	> 16.3 dB	19.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.3 dB @ 250.00MHz	N/A	> 32.3 dB	7.0 dB
3,6	DH	OK	38.4 dB @ 250.00MHz	N/A	> 32.3 dB	6.1 dB
5,4	DH	OK	46.7 dB @ 244.50MHz	N/A	> 32.5 dB	14.2 dB
1,2	DH	OK	43.6 dB @ 250.00MHz	N/A	> 32.3 dB	11.3 dB
7,8	RH	OK	43.4 dB @ 232.50MHz	N/A	> 32.8 dB	10.6 dB
3,6	RH	OK	45.4 dB @ 219.50MHz	N/A	> 33.2 dB	12.2 dB
5,4	RH	OK	44.3 dB @ 249.50MHz	N/A	> 32.3 dB	12.0 dB
1,2	RH	OK	46.5 dB @ 219.50MHz	N/A	> 33.2 dB	13.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.4 dB @ 250.00MHz	N/A	>= 1.1 dB	23.3 dB
3,6	DH	OK	23.0 dB @ 250.00MHz	N/A	>= 1.1 dB	21.9 dB
5,4	DH	OK	30.5 dB @ 244.50MHz	N/A	>= 1.8 dB	28.7 dB
1,2	DH	OK	28.9 dB @ 250.00MHz	N/A	>= 1.1 dB	27.8 dB
7,8	RH	OK	28.5 dB @ 232.50MHz	N/A	>= 2.9 dB	25.6 dB
3,6	RH	OK	30.2 dB @ 236.00MHz	N/A	>= 2.6 dB	27.6 dB
5,4	RH	OK	28.2 dB @ 249.00MHz	N/A	>= 1.2 dB	27.0 dB
1,2	RH	OK	32.5 dB @ 219.50MHz	N/A	>= 4.3 dB	28.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.9 dB @ 224.00MHz	N/A	>= 14.2 dB	14.7 dB
3,6	DH	OK	28.0 dB @ 224.50MHz	N/A	>= 14.1 dB	13.9 dB
5,4	DH	OK	31.7 dB @ 241.50MHz	N/A	>= 13.5 dB	18.2 dB
1,2	DH	OK	34.7 dB @ 239.00MHz	N/A	>= 13.6 dB	21.1 dB
7,8	RH	OK	29.3 dB @ 212.50MHz	N/A	>= 14.6 dB	14.7 dB
3,6	RH	OK	27.5 dB @ 239.00MHz	N/A	>= 13.6 dB	13.9 dB
5,4	RH	OK	31.6 dB @ 237.00MHz	N/A	>= 13.7 dB	17.9 dB
1,2	RH	OK	34.8 dB @ 246.50MHz	N/A	>= 13.3 dB	21.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0082  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:25:01  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	48.9m	50.2m	51.5m	48.7m	< 90.0m	OK
Ritardo di propag.	241.5ns	247.5ns	253.7ns	240.7ns	< 510.0ns	OK
Diff. t. ritardo	13.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.2 Ohm	98.9 Ohm	96.5 Ohm	101.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.1 Ohm	10.6 Ohm	11.9 Ohm	10.3 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.7pF/m	49.0pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	7.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 249.00MHz	N/A	> 35.3 dB	6.2 dB
7,8-5,4	DH	OK	52.4 dB @ 222.00MHz	N/A	> 36.2 dB	16.2 dB
7,8-1,2	DH	OK	58.0 dB @ 204.50MHz	N/A	> 36.7 dB	21.3 dB
3,6-5,4	DH	OK	53.9 dB @ 177.00MHz	N/A	> 37.8 dB	16.1 dB
3,6-1,2	DH	OK	46.6 dB @ 250.00MHz	N/A	> 35.3 dB	11.3 dB
5,4-1,2	DH	OK	49.5 dB @ 247.50MHz	N/A	> 35.4 dB	14.1 dB
7,8-3,6	RH	OK	46.6 dB @ 219.00MHz	N/A	> 36.3 dB	10.3 dB
7,8-5,4	RH	OK	47.9 dB @ 219.50MHz	N/A	> 36.2 dB	11.7 dB
7,8-1,2	RH	OK	57.7 dB @ 231.00MHz	N/A	> 35.9 dB	21.8 dB
3,6-5,4	RH	OK	50.4 dB @ 227.50MHz	N/A	> 36.0 dB	14.4 dB
3,6-1,2	RH	OK	49.7 dB @ 231.50MHz	N/A	> 35.9 dB	13.8 dB
5,4-1,2	RH	OK	48.8 dB @ 151.50MHz	N/A	> 38.9 dB	9.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.0 dB @ 231.50MHz	N/A	> 10.3 dB	4.7 dB
3,6	DH	OK	16.1 dB @ 226.50MHz	N/A	> 10.4 dB	5.7 dB
5,4	DH	OK	16.5 dB @ 232.00MHz	N/A	> 10.3 dB	6.2 dB
1,2	DH	OK	16.4 dB @ 225.00MHz	N/A	> 10.5 dB	5.9 dB
7,8	RH	OK	16.0 dB @ 220.50MHz	N/A	> 10.6 dB	5.4 dB
3,6	RH	OK	16.5 dB @ 226.00MHz	N/A	> 10.4 dB	6.1 dB
5,4	RH	OK	17.9 dB @ 234.00MHz	N/A	> 10.3 dB	7.6 dB
1,2	RH	OK	16.5 dB @ 163.50MHz	N/A	> 11.9 dB	4.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	16.0 dB @ 248.50MHz	N/A	< 31.0 dB	15.0 dB
3,6	OK	16.5 dB @ 249.00MHz	N/A	< 31.1 dB	14.6 dB
5,4	OK	16.6 dB @ 247.00MHz	N/A	< 30.9 dB	14.3 dB
1,2	OK	15.0 dB @ 244.50MHz	N/A	< 30.7 dB	15.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.8 dB @ 248.50MHz	N/A	>= 4.4 dB	21.4 dB
3,6	DH	OK	25.0 dB @ 249.00MHz	N/A	>= 4.2 dB	20.8 dB
5,4	DH	OK	32.9 dB @ 247.00MHz	N/A	>= 4.5 dB	28.4 dB
1,2	DH	OK	31.7 dB @ 244.50MHz	N/A	>= 4.8 dB	26.9 dB
7,8	RH	OK	32.0 dB @ 219.50MHz	N/A	>= 7.3 dB	24.7 dB
3,6	RH	OK	31.7 dB @ 219.00MHz	N/A	>= 7.4 dB	24.3 dB
5,4	RH	OK	32.6 dB @ 219.50MHz	N/A	>= 7.3 dB	25.3 dB
1,2	RH	OK	35.5 dB @ 231.50MHz	N/A	>= 6.1 dB	29.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0082  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:25:01  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.6 dB @ 225.00MHz	N/A	> 17.1 dB	17.5 dB
7,8-5,4	DH	OK	38.8 dB @ 217.50MHz	N/A	> 17.4 dB	21.4 dB
7,8-1,2	DH	OK	43.1 dB @ 204.00MHz	N/A	> 18.0 dB	25.1 dB
3,6-7,8	DH	OK	34.8 dB @ 178.50MHz	N/A	> 19.1 dB	15.7 dB
3,6-5,4	DH	OK	29.8 dB @ 250.00MHz	N/A	> 16.2 dB	13.6 dB
3,6-1,2	DH	OK	42.7 dB @ 247.00MHz	N/A	> 16.3 dB	26.4 dB
5,4-7,8	DH	OK	38.4 dB @ 218.50MHz	N/A	> 17.4 dB	21.0 dB
5,4-3,6	DH	OK	29.5 dB @ 234.00MHz	N/A	> 16.8 dB	12.7 dB
5,4-1,2	DH	OK	37.7 dB @ 249.00MHz	N/A	> 16.2 dB	21.5 dB
1,2-7,8	DH	OK	41.7 dB @ 218.50MHz	N/A	> 17.4 dB	24.3 dB
1,2-3,6	DH	OK	42.4 dB @ 234.00MHz	N/A	> 16.8 dB	25.6 dB
1,2-5,4	DH	OK	36.4 dB @ 247.00MHz	N/A	> 16.3 dB	20.1 dB
7,8-3,6	RH	OK	35.1 dB @ 218.50MHz	N/A	> 17.4 dB	17.7 dB
7,8-5,4	RH	OK	39.4 dB @ 218.50MHz	N/A	> 17.4 dB	22.0 dB
7,8-1,2	RH	OK	42.7 dB @ 197.50MHz	N/A	> 18.3 dB	24.4 dB
3,6-7,8	RH	OK	34.5 dB @ 180.50MHz	N/A	> 19.0 dB	15.5 dB
3,6-5,4	RH	OK	30.0 dB @ 241.00MHz	N/A	> 16.5 dB	13.5 dB
3,6-1,2	RH	OK	41.4 dB @ 241.00MHz	N/A	> 16.5 dB	24.9 dB
5,4-7,8	RH	OK	37.9 dB @ 219.00MHz	N/A	> 17.4 dB	20.5 dB
5,4-3,6	RH	OK	29.5 dB @ 247.00MHz	N/A	> 16.3 dB	13.2 dB
5,4-1,2	RH	OK	36.0 dB @ 250.00MHz	N/A	> 16.2 dB	19.8 dB
1,2-7,8	RH	OK	42.5 dB @ 223.00MHz	N/A	> 17.2 dB	25.3 dB
1,2-3,6	RH	OK	43.4 dB @ 126.50MHz	N/A	> 22.1 dB	21.3 dB
1,2-5,4	RH	OK	38.0 dB @ 248.50MHz	N/A	> 16.3 dB	21.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 249.00MHz	N/A	> 32.3 dB	9.1 dB
3,6	DH	OK	40.4 dB @ 249.50MHz	N/A	> 32.3 dB	8.1 dB
5,4	DH	OK	48.7 dB @ 206.50MHz	N/A	> 33.7 dB	15.0 dB
1,2	DH	OK	45.0 dB @ 250.00MHz	N/A	> 32.3 dB	12.7 dB
7,8	RH	OK	44.1 dB @ 219.50MHz	N/A	> 33.2 dB	10.9 dB
3,6	RH	OK	44.4 dB @ 219.50MHz	N/A	> 33.2 dB	11.2 dB
5,4	RH	OK	46.2 dB @ 229.50MHz	N/A	> 32.9 dB	13.3 dB
1,2	RH	OK	47.7 dB @ 250.00MHz	N/A	> 32.3 dB	15.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.7 dB @ 248.50MHz	N/A	>= 1.4 dB	24.3 dB
3,6	DH	OK	24.0 dB @ 249.00MHz	N/A	>= 1.2 dB	22.8 dB
5,4	DH	OK	32.4 dB @ 247.00MHz	N/A	>= 1.5 dB	30.9 dB
1,2	DH	OK	30.0 dB @ 244.50MHz	N/A	>= 1.8 dB	28.2 dB
7,8	RH	OK	29.4 dB @ 219.50MHz	N/A	>= 4.3 dB	25.1 dB
3,6	RH	OK	29.2 dB @ 247.00MHz	N/A	>= 1.5 dB	27.7 dB
5,4	RH	OK	30.3 dB @ 250.00MHz	N/A	>= 1.1 dB	29.2 dB
1,2	RH	OK	32.9 dB @ 248.50MHz	N/A	>= 1.4 dB	31.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.8 dB @ 218.50MHz	N/A	>= 14.4 dB	18.4 dB
3,6	DH	OK	28.5 dB @ 234.00MHz	N/A	>= 13.8 dB	14.7 dB
5,4	DH	OK	28.8 dB @ 250.00MHz	N/A	>= 13.2 dB	15.6 dB
1,2	DH	OK	35.9 dB @ 249.00MHz	N/A	>= 13.2 dB	22.7 dB
7,8	RH	OK	33.2 dB @ 218.50MHz	N/A	>= 14.4 dB	18.8 dB
3,6	RH	OK	29.0 dB @ 241.00MHz	N/A	>= 13.5 dB	15.5 dB
5,4	RH	OK	28.4 dB @ 247.00MHz	N/A	>= 13.3 dB	15.1 dB
1,2	RH	OK	36.3 dB @ 244.50MHz	N/A	>= 13.4 dB	22.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0083  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:26:20  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	48.9m	50.2m	51.4m	48.8m	< 90.0m	OK
Ritardo di propag.	241.6ns	247.5ns	253.2ns	241.2ns	< 510.0ns	OK
Diff. t. ritardo	12.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.5 Ohm	98.7 Ohm	101.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.1 Ohm	10.4 Ohm	12.1 Ohm	10.0 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.4pF/m	47.8pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	6.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.2 dB @ 243.00MHz	N/A	> 35.5 dB	5.7 dB
7,8-5,4	DH	OK	51.6 dB @ 232.00MHz	N/A	> 35.8 dB	15.8 dB
7,8-1,2	DH	OK	61.5 dB @ 194.50MHz	N/A	> 37.1 dB	24.4 dB
3,6-5,4	DH	OK	53.2 dB @ 170.50MHz	N/A	> 38.0 dB	15.2 dB
3,6-1,2	DH	OK	42.4 dB @ 242.00MHz	N/A	> 35.5 dB	6.9 dB
5,4-1,2	DH	OK	48.9 dB @ 248.00MHz	N/A	> 35.4 dB	13.5 dB
7,8-3,6	RH	OK	49.7 dB @ 244.00MHz	N/A	> 35.5 dB	14.2 dB
7,8-5,4	RH	OK	45.3 dB @ 239.50MHz	N/A	> 35.6 dB	9.7 dB
7,8-1,2	RH	OK	57.2 dB @ 196.50MHz	N/A	> 37.0 dB	20.2 dB
3,6-5,4	RH	OK	53.0 dB @ 234.00MHz	N/A	> 35.8 dB	17.2 dB
3,6-1,2	RH	OK	47.7 dB @ 228.50MHz	N/A	> 36.0 dB	11.7 dB
5,4-1,2	RH	OK	49.0 dB @ 213.50MHz	N/A	> 36.4 dB	12.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.7 dB @ 228.50MHz	N/A	> 10.4 dB	5.3 dB
3,6	DH	OK	15.9 dB @ 226.00MHz	N/A	> 10.4 dB	5.5 dB
5,4	DH	OK	17.2 dB @ 231.00MHz	N/A	> 10.4 dB	6.8 dB
1,2	DH	OK	16.9 dB @ 220.50MHz	N/A	> 10.6 dB	6.3 dB
7,8	RH	OK	15.1 dB @ 224.50MHz	N/A	> 10.5 dB	4.6 dB
3,6	RH	OK	16.5 dB @ 230.50MHz	N/A	> 10.4 dB	6.1 dB
5,4	RH	OK	18.1 dB @ 225.50MHz	N/A	> 10.5 dB	7.6 dB
1,2	RH	OK	17.2 dB @ 107.50MHz	N/A	> 13.7 dB	3.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.9 dB @ 246.50MHz	N/A	< 30.9 dB	15.0 dB
3,6	OK	16.7 dB @ 235.00MHz	N/A	< 30.0 dB	13.3 dB
5,4	OK	16.5 dB @ 225.00MHz	N/A	< 29.3 dB	12.8 dB
1,2	OK	15.6 dB @ 248.00MHz	N/A	< 31.0 dB	15.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.3 dB @ 242.00MHz	N/A	>= 4.9 dB	21.4 dB
3,6	DH	OK	25.2 dB @ 243.00MHz	N/A	>= 4.9 dB	20.3 dB
5,4	DH	OK	33.4 dB @ 248.50MHz	N/A	>= 4.4 dB	29.0 dB
1,2	DH	OK	27.9 dB @ 242.00MHz	N/A	>= 4.9 dB	23.0 dB
7,8	RH	OK	30.4 dB @ 238.50MHz	N/A	>= 5.4 dB	25.0 dB
3,6	RH	OK	32.7 dB @ 226.50MHz	N/A	>= 6.6 dB	26.1 dB
5,4	RH	OK	29.7 dB @ 239.50MHz	N/A	>= 5.2 dB	24.5 dB
1,2	RH	OK	33.7 dB @ 228.50MHz	N/A	>= 6.4 dB	27.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0083  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:26:20  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.8 dB @ 220.00MHz	N/A	> 17.3 dB	18.5 dB
7,8-5,4	DH	OK	41.2 dB @ 207.00MHz	N/A	> 17.8 dB	23.4 dB
7,8-1,2	DH	OK	47.1 dB @ 249.50MHz	N/A	> 16.2 dB	30.9 dB
3,6-7,8	DH	OK	35.6 dB @ 175.50MHz	N/A	> 19.3 dB	16.3 dB
3,6-5,4	DH	OK	35.4 dB @ 206.50MHz	N/A	> 17.9 dB	17.5 dB
3,6-1,2	DH	OK	37.5 dB @ 248.00MHz	N/A	> 16.3 dB	21.2 dB
5,4-7,8	DH	OK	41.1 dB @ 210.00MHz	N/A	> 17.7 dB	23.4 dB
5,4-3,6	DH	OK	34.4 dB @ 235.00MHz	N/A	> 16.7 dB	17.7 dB
5,4-1,2	DH	OK	40.3 dB @ 248.00MHz	N/A	> 16.3 dB	24.0 dB
1,2-7,8	DH	OK	46.0 dB @ 244.00MHz	N/A	> 16.4 dB	29.6 dB
1,2-3,6	DH	OK	37.6 dB @ 230.00MHz	N/A	> 16.9 dB	20.7 dB
1,2-5,4	DH	OK	39.6 dB @ 250.00MHz	N/A	> 16.2 dB	23.4 dB
7,8-3,6	RH	OK	35.8 dB @ 223.50MHz	N/A	> 17.2 dB	18.6 dB
7,8-5,4	RH	OK	41.6 dB @ 213.00MHz	N/A	> 17.6 dB	24.0 dB
7,8-1,2	RH	OK	47.1 dB @ 246.50MHz	N/A	> 16.3 dB	30.8 dB
3,6-7,8	RH	OK	35.2 dB @ 230.00MHz	N/A	> 16.9 dB	18.3 dB
3,6-5,4	RH	OK	35.0 dB @ 200.50MHz	N/A	> 18.1 dB	16.9 dB
3,6-1,2	RH	OK	36.1 dB @ 242.00MHz	N/A	> 16.5 dB	19.6 dB
5,4-7,8	RH	OK	40.6 dB @ 207.00MHz	N/A	> 17.8 dB	22.8 dB
5,4-3,6	RH	OK	35.0 dB @ 225.00MHz	N/A	> 17.1 dB	17.9 dB
5,4-1,2	RH	OK	40.2 dB @ 249.00MHz	N/A	> 16.2 dB	24.0 dB
1,2-7,8	RH	OK	46.7 dB @ 249.50MHz	N/A	> 16.2 dB	30.5 dB
1,2-3,6	RH	OK	38.8 dB @ 248.00MHz	N/A	> 16.3 dB	22.5 dB
1,2-5,4	RH	OK	39.4 dB @ 248.00MHz	N/A	> 16.3 dB	23.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.0 dB @ 243.00MHz	N/A	> 32.5 dB	8.5 dB
3,6	DH	OK	38.6 dB @ 242.50MHz	N/A	> 32.5 dB	6.1 dB
5,4	DH	OK	47.8 dB @ 248.00MHz	N/A	> 32.4 dB	15.4 dB
1,2	DH	OK	41.6 dB @ 242.00MHz	N/A	> 32.5 dB	9.1 dB
7,8	RH	OK	44.5 dB @ 239.50MHz	N/A	> 32.6 dB	11.9 dB
3,6	RH	OK	46.2 dB @ 226.00MHz	N/A	> 33.0 dB	13.2 dB
5,4	RH	OK	44.2 dB @ 239.50MHz	N/A	> 32.6 dB	11.6 dB
1,2	RH	OK	47.2 dB @ 250.00MHz	N/A	> 32.3 dB	14.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.1 dB @ 242.00MHz	N/A	>= 1.9 dB	24.2 dB
3,6	DH	OK	22.6 dB @ 242.00MHz	N/A	>= 1.9 dB	20.7 dB
5,4	DH	OK	31.9 dB @ 241.50MHz	N/A	>= 2.1 dB	29.8 dB
1,2	DH	OK	27.1 dB @ 242.00MHz	N/A	>= 1.9 dB	25.2 dB
7,8	RH	OK	29.6 dB @ 238.50MHz	N/A	>= 2.4 dB	27.2 dB
3,6	RH	OK	30.6 dB @ 244.00MHz	N/A	>= 1.8 dB	28.8 dB
5,4	RH	OK	28.6 dB @ 239.50MHz	N/A	>= 2.2 dB	26.4 dB
1,2	RH	OK	31.7 dB @ 249.50MHz	N/A	>= 1.2 dB	30.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.6 dB @ 223.50MHz	N/A	>= 14.2 dB	20.4 dB
3,6	DH	OK	31.3 dB @ 235.00MHz	N/A	>= 13.7 dB	17.6 dB
5,4	DH	OK	34.1 dB @ 206.50MHz	N/A	>= 14.9 dB	19.2 dB
1,2	DH	OK	35.4 dB @ 249.50MHz	N/A	>= 13.2 dB	22.2 dB
7,8	RH	OK	34.9 dB @ 223.50MHz	N/A	>= 14.2 dB	20.7 dB
3,6	RH	OK	31.3 dB @ 230.00MHz	N/A	>= 13.9 dB	17.4 dB
5,4	RH	OK	33.4 dB @ 225.00MHz	N/A	>= 14.1 dB	19.3 dB
1,2	RH	OK	35.7 dB @ 248.00MHz	N/A	>= 13.3 dB	22.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

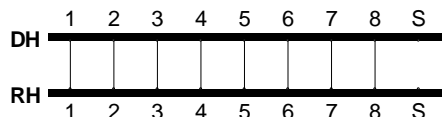
**OK**

ID cavo 1: 0084  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:27:21  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.1m	50.3m	51.5m	48.9m	< 90.0m	OK
Ritardo di propag.	242.4ns	248.0ns	253.6ns	241.7ns	< 510.0ns	OK
Diff. t. ritardo	11.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.6 Ohm	99.2 Ohm	98.1 Ohm	101.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.2 Ohm	10.8 Ohm	12.2 Ohm	10.2 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.6pF/m	48.1pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	8.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.8 dB @ 230.50MHz	N/A	> 35.9 dB	5.9 dB
7,8-5,4	DH	OK	51.1 dB @ 226.00MHz	N/A	> 36.0 dB	15.1 dB
7,8-1,2	DH	OK	57.8 dB @ 209.50MHz	N/A	> 36.6 dB	21.2 dB
3,6-5,4	DH	OK	52.1 dB @ 161.50MHz	N/A	> 38.4 dB	13.7 dB
3,6-1,2	DH	OK	46.8 dB @ 200.50MHz	N/A	> 36.9 dB	9.9 dB
5,4-1,2	DH	OK	46.8 dB @ 249.50MHz	N/A	> 35.3 dB	11.5 dB
7,8-3,6	RH	OK	48.0 dB @ 239.50MHz	N/A	> 35.6 dB	12.4 dB
7,8-5,4	RH	OK	43.7 dB @ 236.50MHz	N/A	> 35.7 dB	8.0 dB
7,8-1,2	RH	OK	57.5 dB @ 225.50MHz	N/A	> 36.0 dB	21.5 dB
3,6-5,4	RH	OK	52.4 dB @ 243.50MHz	N/A	> 35.5 dB	16.9 dB
3,6-1,2	RH	OK	47.2 dB @ 228.50MHz	N/A	> 36.0 dB	11.2 dB
5,4-1,2	RH	OK	49.0 dB @ 249.00MHz	N/A	> 35.3 dB	13.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.0 dB @ 228.00MHz	N/A	> 10.4 dB	6.6 dB
3,6	DH	OK	15.8 dB @ 234.00MHz	N/A	> 10.3 dB	5.5 dB
5,4	DH	OK	17.0 dB @ 227.50MHz	N/A	> 10.4 dB	6.6 dB
1,2	DH	OK	13.8 dB @ 219.50MHz	N/A	> 10.6 dB	3.2 dB
7,8	RH	OK	16.0 dB @ 228.50MHz	N/A	> 10.4 dB	5.6 dB
3,6	RH	OK	16.0 dB @ 233.50MHz	N/A	> 10.3 dB	5.7 dB
5,4	RH	OK	18.8 dB @ 233.00MHz	N/A	> 10.3 dB	8.5 dB
1,2	RH	OK	15.6 dB @ 211.00MHz	N/A	> 10.7 dB	4.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.8 dB @ 250.00MHz	N/A	< 31.2 dB	15.4 dB
3,6	OK	16.4 dB @ 250.00MHz	N/A	< 31.2 dB	14.8 dB
5,4	OK	16.3 dB @ 250.00MHz	N/A	< 31.2 dB	14.9 dB
1,2	OK	15.7 dB @ 248.50MHz	N/A	< 31.0 dB	15.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.6 dB @ 250.00MHz	N/A	>= 4.1 dB	22.5 dB
3,6	DH	OK	26.0 dB @ 250.00MHz	N/A	>= 4.1 dB	21.9 dB
5,4	DH	OK	30.9 dB @ 250.00MHz	N/A	>= 4.1 dB	26.8 dB
1,2	DH	OK	31.8 dB @ 248.50MHz	N/A	>= 4.4 dB	27.4 dB
7,8	RH	OK	28.8 dB @ 236.50MHz	N/A	>= 5.5 dB	23.3 dB
3,6	RH	OK	32.1 dB @ 228.00MHz	N/A	>= 6.5 dB	25.6 dB
5,4	RH	OK	28.3 dB @ 236.00MHz	N/A	>= 5.6 dB	22.7 dB
1,2	RH	OK	33.2 dB @ 228.50MHz	N/A	>= 6.4 dB	26.8 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0084  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:27:21  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.5 dB @ 222.50MHz	N/A	> 17.2 dB	16.3 dB
7,8-5,4	DH	OK	44.0 dB @ 124.00MHz	N/A	> 22.3 dB	21.7 dB
7,8-1,2	DH	OK	35.1 dB @ 248.50MHz	N/A	> 16.3 dB	18.8 dB
3,6-7,8	DH	OK	33.2 dB @ 223.50MHz	N/A	> 17.2 dB	16.0 dB
3,6-5,4	DH	OK	33.9 dB @ 248.00MHz	N/A	> 16.3 dB	17.6 dB
3,6-1,2	DH	OK	38.6 dB @ 248.50MHz	N/A	> 16.3 dB	22.3 dB
5,4-7,8	DH	OK	42.6 dB @ 119.50MHz	N/A	> 22.6 dB	20.0 dB
5,4-3,6	DH	OK	32.9 dB @ 248.50MHz	N/A	> 16.3 dB	16.6 dB
5,4-1,2	DH	OK	36.6 dB @ 248.50MHz	N/A	> 16.3 dB	20.3 dB
1,2-7,8	DH	OK	34.9 dB @ 250.00MHz	N/A	> 16.2 dB	18.7 dB
1,2-3,6	DH	OK	38.4 dB @ 228.00MHz	N/A	> 17.0 dB	21.4 dB
1,2-5,4	DH	OK	35.5 dB @ 250.00MHz	N/A	> 16.2 dB	19.3 dB
7,8-3,6	RH	OK	34.3 dB @ 226.00MHz	N/A	> 17.1 dB	17.2 dB
7,8-5,4	RH	OK	44.3 dB @ 126.00MHz	N/A	> 22.1 dB	22.2 dB
7,8-1,2	RH	OK	35.4 dB @ 250.00MHz	N/A	> 16.2 dB	19.2 dB
3,6-7,8	RH	OK	32.8 dB @ 222.50MHz	N/A	> 17.2 dB	15.6 dB
3,6-5,4	RH	OK	33.8 dB @ 248.50MHz	N/A	> 16.3 dB	17.5 dB
3,6-1,2	RH	OK	37.4 dB @ 234.50MHz	N/A	> 16.8 dB	20.6 dB
5,4-7,8	RH	OK	42.3 dB @ 119.50MHz	N/A	> 22.6 dB	19.7 dB
5,4-3,6	RH	OK	32.6 dB @ 243.00MHz	N/A	> 16.5 dB	16.1 dB
5,4-1,2	RH	OK	36.1 dB @ 250.00MHz	N/A	> 16.2 dB	19.9 dB
1,2-7,8	RH	OK	35.4 dB @ 248.50MHz	N/A	> 16.3 dB	19.1 dB
1,2-3,6	RH	OK	39.8 dB @ 229.50MHz	N/A	> 16.9 dB	22.9 dB
1,2-5,4	RH	OK	36.4 dB @ 248.50MHz	N/A	> 16.3 dB	20.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.5 dB @ 230.50MHz	N/A	> 32.9 dB	8.6 dB
3,6	DH	OK	40.6 dB @ 230.50MHz	N/A	> 32.9 dB	7.7 dB
5,4	DH	OK	46.0 dB @ 249.50MHz	N/A	> 32.3 dB	13.7 dB
1,2	DH	OK	44.6 dB @ 250.00MHz	N/A	> 32.3 dB	12.3 dB
7,8	RH	OK	42.7 dB @ 236.50MHz	N/A	> 32.7 dB	10.0 dB
3,6	RH	OK	44.6 dB @ 225.50MHz	N/A	> 33.0 dB	11.6 dB
5,4	RH	OK	43.1 dB @ 236.50MHz	N/A	> 32.7 dB	10.4 dB
1,2	RH	OK	46.8 dB @ 228.50MHz	N/A	> 33.0 dB	13.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.4 dB @ 250.00MHz	N/A	>= 1.1 dB	25.3 dB
3,6	DH	OK	24.8 dB @ 250.00MHz	N/A	>= 1.1 dB	23.7 dB
5,4	DH	OK	29.8 dB @ 250.00MHz	N/A	>= 1.1 dB	28.7 dB
1,2	DH	OK	29.8 dB @ 248.50MHz	N/A	>= 1.4 dB	28.4 dB
7,8	RH	OK	27.7 dB @ 236.00MHz	N/A	>= 2.6 dB	25.1 dB
3,6	RH	OK	29.2 dB @ 225.50MHz	N/A	>= 3.7 dB	25.5 dB
5,4	RH	OK	27.7 dB @ 236.00MHz	N/A	>= 2.6 dB	25.1 dB
1,2	RH	OK	32.2 dB @ 248.50MHz	N/A	>= 1.4 dB	30.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.5 dB @ 228.00MHz	N/A	>= 14.0 dB	17.5 dB
3,6	DH	OK	30.4 dB @ 229.50MHz	N/A	>= 13.9 dB	16.5 dB
5,4	DH	OK	31.6 dB @ 250.00MHz	N/A	>= 13.2 dB	18.4 dB
1,2	DH	OK	31.7 dB @ 248.50MHz	N/A	>= 13.3 dB	18.4 dB
7,8	RH	OK	32.1 dB @ 226.00MHz	N/A	>= 14.1 dB	18.0 dB
3,6	RH	OK	30.2 dB @ 236.00MHz	N/A	>= 13.7 dB	16.5 dB
5,4	RH	OK	30.9 dB @ 243.00MHz	N/A	>= 13.5 dB	17.4 dB
1,2	RH	OK	32.2 dB @ 248.50MHz	N/A	>= 13.3 dB	18.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

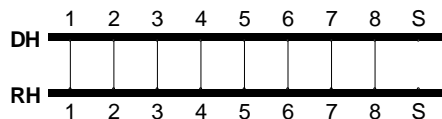
**OK**

ID cavo 1: 0085  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:28:21  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	48.9m	50.2m	51.3m	48.8m	< 90.0m	OK
Ritardo di propag.	241.7ns	247.4ns	252.9ns	241.2ns	< 510.0ns	OK
Diff. t. ritardo	11.7ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.6 Ohm	99.0 Ohm	98.0 Ohm	101.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.8 Ohm	10.7 Ohm	11.9 Ohm	10.4 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.6pF/m	48.2pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	5.2 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.9 dB @ 241.00MHz	N/A	> 35.6 dB	5.3 dB
7,8-5,4	DH	OK	52.5 dB @ 226.00MHz	N/A	> 36.0 dB	16.5 dB
7,8-1,2	DH	OK	58.9 dB @ 214.50MHz	N/A	> 36.4 dB	22.5 dB
3,6-5,4	DH	OK	52.3 dB @ 228.00MHz	N/A	> 36.0 dB	16.3 dB
3,6-1,2	DH	OK	43.8 dB @ 240.00MHz	N/A	> 35.6 dB	8.2 dB
5,4-1,2	DH	OK	47.2 dB @ 233.50MHz	N/A	> 35.8 dB	11.4 dB
7,8-3,6	RH	OK	47.3 dB @ 189.00MHz	N/A	> 37.3 dB	10.0 dB
7,8-5,4	RH	OK	47.1 dB @ 248.50MHz	N/A	> 35.4 dB	11.7 dB
7,8-1,2	RH	OK	61.2 dB @ 173.00MHz	N/A	> 37.9 dB	23.3 dB
3,6-5,4	RH	OK	52.1 dB @ 135.50MHz	N/A	> 39.7 dB	12.4 dB
3,6-1,2	RH	OK	49.0 dB @ 168.00MHz	N/A	> 38.1 dB	10.9 dB
5,4-1,2	RH	OK	48.4 dB @ 211.50MHz	N/A	> 36.5 dB	11.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.8 dB @ 224.50MHz	N/A	> 10.5 dB	6.3 dB
3,6	DH	OK	16.1 dB @ 230.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	DH	OK	17.4 dB @ 230.00MHz	N/A	> 10.4 dB	7.0 dB
1,2	DH	OK	17.6 dB @ 216.50MHz	N/A	> 10.6 dB	7.0 dB
7,8	RH	OK	14.2 dB @ 225.00MHz	N/A	> 10.5 dB	3.7 dB
3,6	RH	OK	17.3 dB @ 230.50MHz	N/A	> 10.4 dB	6.9 dB
5,4	RH	OK	18.5 dB @ 234.00MHz	N/A	> 10.3 dB	8.2 dB
1,2	RH	OK	17.2 dB @ 106.00MHz	N/A	> 13.7 dB	3.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.7 dB @ 248.00MHz	N/A	< 31.0 dB	15.3 dB
3,6	OK	17.0 dB @ 240.50MHz	N/A	< 30.4 dB	13.4 dB
5,4	OK	16.4 dB @ 243.50MHz	N/A	< 30.7 dB	14.3 dB
1,2	OK	15.4 dB @ 249.00MHz	N/A	< 31.1 dB	15.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.1 dB @ 241.00MHz	N/A	>= 5.1 dB	21.0 dB
3,6	DH	OK	23.9 dB @ 240.50MHz	N/A	>= 5.2 dB	18.7 dB
5,4	DH	OK	31.4 dB @ 248.00MHz	N/A	>= 4.4 dB	27.0 dB
1,2	DH	OK	29.2 dB @ 240.00MHz	N/A	>= 5.2 dB	24.0 dB
7,8	RH	OK	31.7 dB @ 248.00MHz	N/A	>= 4.4 dB	27.3 dB
3,6	RH	OK	32.4 dB @ 240.50MHz	N/A	>= 5.2 dB	27.2 dB
5,4	RH	OK	31.1 dB @ 248.50MHz	N/A	>= 4.4 dB	26.7 dB
1,2	RH	OK	34.0 dB @ 247.00MHz	N/A	>= 4.5 dB	29.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0085  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:28:21  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.7 dB @ 223.00MHz	N/A	> 17.2 dB	14.5 dB
7,8-5,4	DH	OK	37.6 dB @ 223.00MHz	N/A	> 17.2 dB	20.4 dB
7,8-1,2	DH	OK	41.2 dB @ 244.00MHz	N/A	> 16.4 dB	24.8 dB
3,6-7,8	DH	OK	31.6 dB @ 229.00MHz	N/A	> 17.0 dB	14.6 dB
3,6-5,4	DH	OK	31.9 dB @ 243.50MHz	N/A	> 16.4 dB	15.5 dB
3,6-1,2	DH	OK	39.4 dB @ 223.00MHz	N/A	> 17.2 dB	22.2 dB
5,4-7,8	DH	OK	38.5 dB @ 223.00MHz	N/A	> 17.2 dB	21.3 dB
5,4-3,6	DH	OK	30.7 dB @ 240.50MHz	N/A	> 16.5 dB	14.2 dB
5,4-1,2	DH	OK	36.3 dB @ 249.00MHz	N/A	> 16.2 dB	20.1 dB
1,2-7,8	DH	OK	40.1 dB @ 223.00MHz	N/A	> 17.2 dB	22.9 dB
1,2-3,6	DH	OK	36.4 dB @ 231.50MHz	N/A	> 16.9 dB	19.5 dB
1,2-5,4	DH	OK	35.6 dB @ 243.50MHz	N/A	> 16.4 dB	19.2 dB
7,8-3,6	RH	OK	32.1 dB @ 230.00MHz	N/A	> 16.9 dB	15.2 dB
7,8-5,4	RH	OK	38.1 dB @ 223.00MHz	N/A	> 17.2 dB	20.9 dB
7,8-1,2	RH	OK	40.7 dB @ 230.00MHz	N/A	> 16.9 dB	23.8 dB
3,6-7,8	RH	OK	30.8 dB @ 231.50MHz	N/A	> 16.9 dB	13.9 dB
3,6-5,4	RH	OK	31.6 dB @ 240.50MHz	N/A	> 16.5 dB	15.1 dB
3,6-1,2	RH	OK	38.3 dB @ 223.00MHz	N/A	> 17.2 dB	21.1 dB
5,4-7,8	RH	OK	38.0 dB @ 223.00MHz	N/A	> 17.2 dB	20.8 dB
5,4-3,6	RH	OK	31.0 dB @ 243.50MHz	N/A	> 16.4 dB	14.6 dB
5,4-1,2	RH	OK	35.1 dB @ 248.00MHz	N/A	> 16.3 dB	18.8 dB
1,2-7,8	RH	OK	40.5 dB @ 223.00MHz	N/A	> 17.2 dB	23.3 dB
1,2-3,6	RH	OK	38.2 dB @ 229.50MHz	N/A	> 16.9 dB	21.3 dB
1,2-5,4	RH	OK	36.5 dB @ 249.00MHz	N/A	> 16.2 dB	20.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.7 dB @ 241.00MHz	N/A	> 32.6 dB	8.1 dB
3,6	DH	OK	39.0 dB @ 240.50MHz	N/A	> 32.6 dB	6.4 dB
5,4	DH	OK	46.1 dB @ 233.50MHz	N/A	> 32.8 dB	13.3 dB
1,2	DH	OK	42.5 dB @ 247.50MHz	N/A	> 32.4 dB	10.1 dB
7,8	RH	OK	46.0 dB @ 244.00MHz	N/A	> 32.5 dB	13.5 dB
3,6	RH	OK	45.7 dB @ 189.00MHz	N/A	> 34.3 dB	11.4 dB
5,4	RH	OK	44.5 dB @ 248.50MHz	N/A	> 32.4 dB	12.1 dB
1,2	RH	OK	46.4 dB @ 247.50MHz	N/A	> 32.4 dB	14.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.9 dB @ 241.00MHz	N/A	>= 2.1 dB	23.8 dB
3,6	DH	OK	22.0 dB @ 240.50MHz	N/A	>= 2.2 dB	19.8 dB
5,4	DH	OK	30.6 dB @ 248.00MHz	N/A	>= 1.4 dB	29.2 dB
1,2	DH	OK	27.9 dB @ 247.00MHz	N/A	>= 1.5 dB	26.4 dB
7,8	RH	OK	30.9 dB @ 244.00MHz	N/A	>= 1.8 dB	29.1 dB
3,6	RH	OK	30.3 dB @ 237.50MHz	N/A	>= 2.5 dB	27.8 dB
5,4	RH	OK	28.5 dB @ 248.00MHz	N/A	>= 1.4 dB	27.1 dB
1,2	RH	OK	31.8 dB @ 247.00MHz	N/A	>= 1.5 dB	30.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.9 dB @ 229.00MHz	N/A	>= 14.0 dB	16.9 dB
3,6	DH	OK	27.9 dB @ 240.50MHz	N/A	>= 13.5 dB	14.4 dB
5,4	DH	OK	30.2 dB @ 243.50MHz	N/A	>= 13.4 dB	16.8 dB
1,2	DH	OK	34.5 dB @ 249.00MHz	N/A	>= 13.2 dB	21.3 dB
7,8	RH	OK	31.1 dB @ 223.00MHz	N/A	>= 14.2 dB	16.9 dB
3,6	RH	OK	28.3 dB @ 240.50MHz	N/A	>= 13.5 dB	14.8 dB
5,4	RH	OK	29.4 dB @ 243.50MHz	N/A	>= 13.4 dB	16.0 dB
1,2	RH	OK	34.3 dB @ 239.50MHz	N/A	>= 13.6 dB	20.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0086  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:29:24  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	48.9m	50.1m	51.3m	48.8m	< 90.0m	OK
Ritardo di propag.	241.4ns	247.0ns	252.7ns	240.9ns	< 510.0ns	OK
Diff. t. ritardo	11.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.6 Ohm	99.3 Ohm	98.6 Ohm	101.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.3 Ohm	10.7 Ohm	12.0 Ohm	10.5 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.5pF/m	47.9pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	7.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.9 dB @ 241.50MHz	N/A	> 35.6 dB	6.3 dB
7,8-5,4	DH	OK	51.0 dB @ 235.00MHz	N/A	> 35.8 dB	15.2 dB
7,8-1,2	DH	OK	58.4 dB @ 197.00MHz	N/A	> 37.0 dB	21.4 dB
3,6-5,4	DH	OK	52.4 dB @ 173.00MHz	N/A	> 37.9 dB	14.5 dB
3,6-1,2	DH	OK	42.8 dB @ 235.50MHz	N/A	> 35.7 dB	7.1 dB
5,4-1,2	DH	OK	47.7 dB @ 248.00MHz	N/A	> 35.4 dB	12.3 dB
7,8-3,6	RH	OK	47.6 dB @ 234.00MHz	N/A	> 35.8 dB	11.8 dB
7,8-5,4	RH	OK	47.6 dB @ 241.50MHz	N/A	> 35.6 dB	12.0 dB
7,8-1,2	RH	OK	55.9 dB @ 176.50MHz	N/A	> 37.8 dB	18.1 dB
3,6-5,4	RH	OK	50.7 dB @ 234.00MHz	N/A	> 35.8 dB	14.9 dB
3,6-1,2	RH	OK	49.5 dB @ 244.50MHz	N/A	> 35.5 dB	14.0 dB
5,4-1,2	RH	OK	49.9 dB @ 243.00MHz	N/A	> 35.5 dB	14.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 229.00MHz	N/A	> 10.4 dB	6.0 dB
3,6	DH	OK	16.2 dB @ 223.50MHz	N/A	> 10.5 dB	5.7 dB
5,4	DH	OK	17.5 dB @ 232.00MHz	N/A	> 10.3 dB	7.2 dB
1,2	DH	OK	17.5 dB @ 218.50MHz	N/A	> 10.6 dB	6.9 dB
7,8	RH	OK	16.2 dB @ 218.50MHz	N/A	> 10.6 dB	5.6 dB
3,6	RH	OK	17.3 dB @ 224.50MHz	N/A	> 10.5 dB	6.8 dB
5,4	RH	OK	18.9 dB @ 232.00MHz	N/A	> 10.3 dB	8.6 dB
1,2	RH	OK	17.8 dB @ 156.50MHz	N/A	> 12.0 dB	5.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.5 dB @ 243.00MHz	N/A	< 30.6 dB	15.1 dB
3,6	OK	16.3 dB @ 247.50MHz	N/A	< 31.0 dB	14.7 dB
5,4	OK	16.1 dB @ 232.50MHz	N/A	< 29.9 dB	13.8 dB
1,2	OK	15.1 dB @ 250.00MHz	N/A	< 31.2 dB	16.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.9 dB @ 243.00MHz	N/A	>= 4.9 dB	22.0 dB
3,6	DH	OK	25.9 dB @ 241.50MHz	N/A	>= 5.1 dB	20.8 dB
5,4	DH	OK	32.3 dB @ 248.00MHz	N/A	>= 4.4 dB	27.9 dB
1,2	DH	OK	28.5 dB @ 235.50MHz	N/A	>= 5.6 dB	22.9 dB
7,8	RH	OK	32.5 dB @ 239.00MHz	N/A	>= 5.3 dB	27.2 dB
3,6	RH	OK	31.9 dB @ 234.00MHz	N/A	>= 5.8 dB	26.1 dB
5,4	RH	OK	31.9 dB @ 241.50MHz	N/A	>= 5.1 dB	26.8 dB
1,2	RH	OK	35.1 dB @ 244.50MHz	N/A	>= 4.8 dB	30.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0086  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:29:24  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.6 dB @ 229.00MHz	N/A	> 17.0 dB	15.6 dB
7,8-5,4	DH	OK	42.6 dB @ 206.00MHz	N/A	> 17.9 dB	24.7 dB
7,8-1,2	DH	OK	36.0 dB @ 247.50MHz	N/A	> 16.3 dB	19.7 dB
3,6-7,8	DH	OK	32.3 dB @ 217.00MHz	N/A	> 17.4 dB	14.9 dB
3,6-5,4	DH	OK	33.8 dB @ 205.00MHz	N/A	> 17.9 dB	15.9 dB
3,6-1,2	DH	OK	41.8 dB @ 237.00MHz	N/A	> 16.7 dB	25.1 dB
5,4-7,8	DH	OK	42.1 dB @ 212.50MHz	N/A	> 17.6 dB	24.5 dB
5,4-3,6	DH	OK	32.9 dB @ 229.00MHz	N/A	> 17.0 dB	15.9 dB
5,4-1,2	DH	OK	38.6 dB @ 250.00MHz	N/A	> 16.2 dB	22.4 dB
1,2-7,8	DH	OK	34.7 dB @ 243.00MHz	N/A	> 16.5 dB	18.2 dB
1,2-3,6	DH	OK	41.2 dB @ 229.00MHz	N/A	> 17.0 dB	24.2 dB
1,2-5,4	DH	OK	38.2 dB @ 244.00MHz	N/A	> 16.4 dB	21.8 dB
7,8-3,6	RH	OK	33.0 dB @ 221.00MHz	N/A	> 17.3 dB	15.7 dB
7,8-5,4	RH	OK	43.0 dB @ 204.00MHz	N/A	> 18.0 dB	25.0 dB
7,8-1,2	RH	OK	35.5 dB @ 243.00MHz	N/A	> 16.5 dB	19.0 dB
3,6-7,8	RH	OK	31.6 dB @ 229.00MHz	N/A	> 17.0 dB	14.6 dB
3,6-5,4	RH	OK	33.7 dB @ 198.50MHz	N/A	> 18.2 dB	15.5 dB
3,6-1,2	RH	OK	40.6 dB @ 237.00MHz	N/A	> 16.7 dB	23.9 dB
5,4-7,8	RH	OK	42.1 dB @ 212.50MHz	N/A	> 17.6 dB	24.5 dB
5,4-3,6	RH	OK	33.3 dB @ 219.00MHz	N/A	> 17.4 dB	15.9 dB
5,4-1,2	RH	OK	38.2 dB @ 249.50MHz	N/A	> 16.2 dB	22.0 dB
1,2-7,8	RH	OK	35.2 dB @ 250.00MHz	N/A	> 16.2 dB	19.0 dB
1,2-3,6	RH	OK	42.6 dB @ 124.50MHz	N/A	> 22.2 dB	20.4 dB
1,2-5,4	RH	OK	38.9 dB @ 250.00MHz	N/A	> 16.2 dB	22.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.6 dB @ 241.50MHz	N/A	> 32.6 dB	9.0 dB
3,6	DH	OK	39.9 dB @ 247.00MHz	N/A	> 32.4 dB	7.5 dB
5,4	DH	OK	46.4 dB @ 248.00MHz	N/A	> 32.4 dB	14.0 dB
1,2	DH	OK	42.6 dB @ 235.50MHz	N/A	> 32.7 dB	9.9 dB
7,8	RH	OK	45.1 dB @ 246.50MHz	N/A	> 32.4 dB	12.7 dB
3,6	RH	OK	45.0 dB @ 245.00MHz	N/A	> 32.5 dB	12.5 dB
5,4	RH	OK	45.2 dB @ 246.50MHz	N/A	> 32.4 dB	12.8 dB
1,2	RH	OK	46.6 dB @ 244.50MHz	N/A	> 32.5 dB	14.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.7 dB @ 243.00MHz	N/A	>= 1.9 dB	24.8 dB
3,6	DH	OK	23.8 dB @ 247.50MHz	N/A	>= 1.4 dB	22.4 dB
5,4	DH	OK	31.0 dB @ 248.00MHz	N/A	>= 1.4 dB	29.6 dB
1,2	DH	OK	27.6 dB @ 247.50MHz	N/A	>= 1.4 dB	26.2 dB
7,8	RH	OK	30.1 dB @ 246.50MHz	N/A	>= 1.5 dB	28.6 dB
3,6	RH	OK	29.5 dB @ 233.50MHz	N/A	>= 2.9 dB	26.6 dB
5,4	RH	OK	29.6 dB @ 242.00MHz	N/A	>= 1.9 dB	27.7 dB
1,2	RH	OK	32.2 dB @ 244.50MHz	N/A	>= 1.8 dB	30.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.7 dB @ 217.00MHz	N/A	>= 14.4 dB	16.3 dB
3,6	DH	OK	29.4 dB @ 229.00MHz	N/A	>= 14.0 dB	15.4 dB
5,4	DH	OK	33.1 dB @ 198.50MHz	N/A	>= 15.2 dB	17.9 dB
1,2	DH	OK	33.7 dB @ 247.50MHz	N/A	>= 13.3 dB	20.4 dB
7,8	RH	OK	31.2 dB @ 221.00MHz	N/A	>= 14.3 dB	16.9 dB
3,6	RH	OK	29.8 dB @ 229.00MHz	N/A	>= 14.0 dB	15.8 dB
5,4	RH	OK	32.4 dB @ 235.50MHz	N/A	>= 13.7 dB	18.7 dB
1,2	RH	OK	33.5 dB @ 250.00MHz	N/A	>= 13.2 dB	20.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

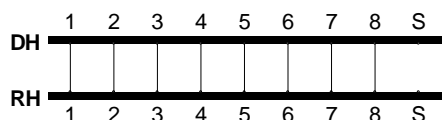
## OK

ID cavo 1: 0087  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:30:48  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	63.5m	65.1m	66.9m	63.1m	< 90.0m	OK
Ritardo di propag.	309.2ns	316.7ns	324.8ns	307.2ns	< 510.0ns	OK
Diff. t. ritardo	17.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.5 Ohm	98.9 Ohm	96.3 Ohm	101.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.6 Ohm	13.1 Ohm	14.3 Ohm	13.3 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.7pF/m	49.0pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	7.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.2 dB @ 249.50MHz	N/A	> 35.3 dB	5.9 dB
7,8-5,4	DH	OK	51.1 dB @ 232.00MHz	N/A	> 35.8 dB	15.3 dB
7,8-1,2	DH	OK	57.0 dB @ 55.50MHz	N/A	> 45.9 dB	11.1 dB
3,6-5,4	DH	OK	52.3 dB @ 179.00MHz	N/A	> 37.7 dB	14.6 dB
3,6-1,2	DH	OK	43.9 dB @ 249.50MHz	N/A	> 35.3 dB	8.6 dB
5,4-1,2	DH	OK	48.1 dB @ 204.50MHz	N/A	> 36.7 dB	11.4 dB
7,8-3,6	RH	OK	47.2 dB @ 227.50MHz	N/A	> 36.0 dB	11.2 dB
7,8-5,4	RH	OK	45.6 dB @ 241.00MHz	N/A	> 35.6 dB	10.0 dB
7,8-1,2	RH	OK	51.8 dB @ 202.00MHz	N/A	> 36.8 dB	15.0 dB
3,6-5,4	RH	OK	52.0 dB @ 240.00MHz	N/A	> 35.6 dB	16.4 dB
3,6-1,2	RH	OK	44.9 dB @ 220.00MHz	N/A	> 36.2 dB	8.7 dB
5,4-1,2	RH	OK	52.9 dB @ 215.00MHz	N/A	> 36.4 dB	16.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 222.00MHz	N/A	> 10.5 dB	5.6 dB
3,6	DH	OK	16.3 dB @ 230.50MHz	N/A	> 10.4 dB	5.9 dB
5,4	DH	OK	16.1 dB @ 229.00MHz	N/A	> 10.4 dB	5.7 dB
1,2	DH	OK	17.5 dB @ 221.00MHz	N/A	> 10.5 dB	7.0 dB
7,8	RH	OK	14.9 dB @ 225.00MHz	N/A	> 10.5 dB	4.4 dB
3,6	RH	OK	15.9 dB @ 167.50MHz	N/A	> 11.7 dB	4.2 dB
5,4	RH	OK	18.0 dB @ 216.00MHz	N/A	> 10.6 dB	7.4 dB
1,2	RH	OK	16.1 dB @ 225.00MHz	N/A	> 10.5 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	20.4 dB @ 247.50MHz	N/A	< 31.0 dB	10.6 dB
3,6	OK	21.0 dB @ 245.00MHz	N/A	< 30.8 dB	9.8 dB
5,4	OK	21.6 dB @ 243.00MHz	N/A	< 30.6 dB	9.0 dB
1,2	OK	19.9 dB @ 234.00MHz	N/A	< 30.0 dB	10.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	21.5 dB @ 249.50MHz	N/A	>= 4.2 dB	17.3 dB
3,6	DH	OK	20.7 dB @ 249.50MHz	N/A	>= 4.2 dB	16.5 dB
5,4	DH	OK	27.7 dB @ 248.50MHz	N/A	>= 4.4 dB	23.3 dB
1,2	DH	OK	24.5 dB @ 249.50MHz	N/A	>= 4.2 dB	20.3 dB
7,8	RH	OK	25.8 dB @ 240.50MHz	N/A	>= 5.2 dB	20.6 dB
3,6	RH	OK	25.4 dB @ 220.00MHz	N/A	>= 7.3 dB	18.1 dB
5,4	RH	OK	24.3 dB @ 240.50MHz	N/A	>= 5.2 dB	19.1 dB
1,2	RH	OK	26.1 dB @ 234.00MHz	N/A	>= 5.8 dB	20.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0087  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:30:48  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.1 dB @ 165.00MHz	N/A	> 19.8 dB	14.3 dB
7,8-5,4	DH	OK	36.6 dB @ 243.00MHz	N/A	> 16.5 dB	20.1 dB
7,8-1,2	DH	OK	41.7 dB @ 245.00MHz	N/A	> 16.4 dB	25.3 dB
3,6-7,8	DH	OK	34.4 dB @ 174.50MHz	N/A	> 19.3 dB	15.1 dB
3,6-5,4	DH	OK	36.1 dB @ 155.50MHz	N/A	> 20.3 dB	15.8 dB
3,6-1,2	DH	OK	41.2 dB @ 181.50MHz	N/A	> 19.0 dB	22.2 dB
5,4-7,8	DH	OK	37.9 dB @ 245.00MHz	N/A	> 16.4 dB	21.5 dB
5,4-3,6	DH	OK	36.4 dB @ 156.50MHz	N/A	> 20.3 dB	16.1 dB
5,4-1,2	DH	OK	39.5 dB @ 250.00MHz	N/A	> 16.2 dB	23.3 dB
1,2-7,8	DH	OK	39.5 dB @ 230.50MHz	N/A	> 16.9 dB	22.6 dB
1,2-3,6	DH	OK	38.1 dB @ 179.00MHz	N/A	> 19.1 dB	19.0 dB
1,2-5,4	DH	OK	36.8 dB @ 247.50MHz	N/A	> 16.3 dB	20.5 dB
7,8-3,6	RH	OK	34.8 dB @ 157.50MHz	N/A	> 20.2 dB	14.6 dB
7,8-5,4	RH	OK	38.0 dB @ 245.00MHz	N/A	> 16.4 dB	21.6 dB
7,8-1,2	RH	OK	40.7 dB @ 245.00MHz	N/A	> 16.4 dB	24.3 dB
3,6-7,8	RH	OK	33.7 dB @ 174.00MHz	N/A	> 19.3 dB	14.4 dB
3,6-5,4	RH	OK	36.4 dB @ 157.50MHz	N/A	> 20.2 dB	16.2 dB
3,6-1,2	RH	OK	40.0 dB @ 177.50MHz	N/A	> 19.2 dB	20.8 dB
5,4-7,8	RH	OK	36.6 dB @ 243.00MHz	N/A	> 16.5 dB	20.1 dB
5,4-3,6	RH	OK	36.2 dB @ 164.50MHz	N/A	> 19.8 dB	16.4 dB
5,4-1,2	RH	OK	37.8 dB @ 247.50MHz	N/A	> 16.3 dB	21.5 dB
1,2-7,8	RH	OK	39.8 dB @ 234.00MHz	N/A	> 16.8 dB	23.0 dB
1,2-3,6	RH	OK	39.2 dB @ 179.00MHz	N/A	> 19.1 dB	20.1 dB
1,2-5,4	RH	OK	38.2 dB @ 250.00MHz	N/A	> 16.2 dB	22.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.0 dB @ 249.50MHz	N/A	> 32.3 dB	8.7 dB
3,6	DH	OK	39.1 dB @ 249.50MHz	N/A	> 32.3 dB	6.8 dB
5,4	DH	OK	46.9 dB @ 248.50MHz	N/A	> 32.4 dB	14.5 dB
1,2	DH	OK	42.7 dB @ 249.50MHz	N/A	> 32.3 dB	10.4 dB
7,8	RH	OK	43.4 dB @ 241.00MHz	N/A	> 32.6 dB	10.8 dB
3,6	RH	OK	43.1 dB @ 220.00MHz	N/A	> 33.2 dB	9.9 dB
5,4	RH	OK	44.6 dB @ 240.00MHz	N/A	> 32.6 dB	12.0 dB
1,2	RH	OK	44.4 dB @ 220.00MHz	N/A	> 33.2 dB	11.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.3 dB @ 249.50MHz	N/A	>= 1.2 dB	20.1 dB
3,6	DH	OK	18.6 dB @ 249.50MHz	N/A	>= 1.2 dB	17.4 dB
5,4	DH	OK	25.7 dB @ 248.50MHz	N/A	>= 1.4 dB	24.3 dB
1,2	DH	OK	23.3 dB @ 249.00MHz	N/A	>= 1.2 dB	22.1 dB
7,8	RH	OK	23.6 dB @ 240.50MHz	N/A	>= 2.2 dB	21.4 dB
3,6	RH	OK	23.4 dB @ 220.50MHz	N/A	>= 4.2 dB	19.2 dB
5,4	RH	OK	23.4 dB @ 240.50MHz	N/A	>= 2.2 dB	21.2 dB
1,2	RH	OK	25.6 dB @ 234.00MHz	N/A	>= 2.8 dB	22.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.6 dB @ 174.50MHz	N/A	>= 16.3 dB	17.3 dB
3,6	DH	OK	31.5 dB @ 169.00MHz	N/A	>= 16.6 dB	14.9 dB
5,4	DH	OK	32.6 dB @ 249.50MHz	N/A	>= 13.2 dB	19.4 dB
1,2	DH	OK	37.3 dB @ 250.00MHz	N/A	>= 13.2 dB	24.1 dB
7,8	RH	OK	34.0 dB @ 157.50MHz	N/A	>= 17.2 dB	16.8 dB
3,6	RH	OK	31.7 dB @ 169.00MHz	N/A	>= 16.6 dB	15.1 dB
5,4	RH	OK	33.0 dB @ 248.50MHz	N/A	>= 13.3 dB	19.7 dB
1,2	RH	OK	36.6 dB @ 234.00MHz	N/A	>= 13.8 dB	22.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0088  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:31:50  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	63.5m	65.0m	66.5m	63.0m	< 90.0m	OK
Ritardo di propag.	309.4ns	316.2ns	323.2ns	306.7ns	< 510.0ns	OK
Diff. t. ritardo	16.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.8 Ohm	98.4 Ohm	97.6 Ohm	100.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.7 Ohm	13.5 Ohm	14.8 Ohm	13.2 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	48.0pF/m	48.4pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	7.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.6 dB @ 245.00MHz	N/A	> 35.5 dB	5.1 dB
7,8-5,4	DH	OK	53.6 dB @ 244.00MHz	N/A	> 35.5 dB	18.1 dB
7,8-1,2	DH	OK	59.7 dB @ 211.50MHz	N/A	> 36.5 dB	23.2 dB
3,6-5,4	DH	OK	53.6 dB @ 228.50MHz	N/A	> 36.0 dB	17.6 dB
3,6-1,2	DH	OK	46.1 dB @ 239.50MHz	N/A	> 35.6 dB	10.5 dB
5,4-1,2	DH	OK	48.7 dB @ 241.50MHz	N/A	> 35.6 dB	13.1 dB
7,8-3,6	RH	OK	47.9 dB @ 223.50MHz	N/A	> 36.1 dB	11.8 dB
7,8-5,4	RH	OK	47.3 dB @ 241.50MHz	N/A	> 35.6 dB	11.7 dB
7,8-1,2	RH	OK	56.5 dB @ 176.50MHz	N/A	> 37.8 dB	18.7 dB
3,6-5,4	RH	OK	54.0 dB @ 247.00MHz	N/A	> 35.4 dB	18.6 dB
3,6-1,2	RH	OK	43.7 dB @ 231.00MHz	N/A	> 35.9 dB	7.8 dB
5,4-1,2	RH	OK	50.4 dB @ 250.00MHz	N/A	> 35.3 dB	15.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.2 dB @ 219.50MHz	N/A	> 10.6 dB	4.6 dB
3,6	DH	OK	16.7 dB @ 233.00MHz	N/A	> 10.3 dB	6.4 dB
5,4	DH	OK	17.7 dB @ 238.00MHz	N/A	> 10.2 dB	7.5 dB
1,2	DH	OK	17.5 dB @ 221.00MHz	N/A	> 10.5 dB	7.0 dB
7,8	RH	OK	14.5 dB @ 222.50MHz	N/A	> 10.5 dB	4.0 dB
3,6	RH	OK	16.0 dB @ 219.50MHz	N/A	> 10.6 dB	5.4 dB
5,4	RH	OK	18.0 dB @ 228.00MHz	N/A	> 10.4 dB	7.6 dB
1,2	RH	OK	14.0 dB @ 227.50MHz	N/A	> 10.4 dB	3.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	20.4 dB @ 242.00MHz	N/A	< 30.6 dB	10.2 dB
3,6	OK	21.3 dB @ 243.00MHz	N/A	< 30.6 dB	9.3 dB
5,4	OK	21.0 dB @ 249.00MHz	N/A	< 31.1 dB	10.1 dB
1,2	OK	20.0 dB @ 244.00MHz	N/A	< 30.7 dB	10.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	20.4 dB @ 244.50MHz	N/A	>= 4.8 dB	15.6 dB
3,6	DH	OK	20.0 dB @ 243.00MHz	N/A	>= 4.9 dB	15.1 dB
5,4	DH	OK	28.4 dB @ 239.50MHz	N/A	>= 5.2 dB	23.2 dB
1,2	DH	OK	26.8 dB @ 246.50MHz	N/A	>= 4.5 dB	22.3 dB
7,8	RH	OK	27.1 dB @ 241.00MHz	N/A	>= 5.1 dB	22.0 dB
3,6	RH	OK	23.2 dB @ 230.50MHz	N/A	>= 6.2 dB	17.0 dB
5,4	RH	OK	27.1 dB @ 240.50MHz	N/A	>= 5.2 dB	21.9 dB
1,2	RH	OK	24.9 dB @ 230.50MHz	N/A	>= 6.2 dB	18.7 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0088  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:31:50  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.4 dB @ 171.00MHz	N/A	> 19.5 dB	14.9 dB
7,8-5,4	DH	OK	39.1 dB @ 237.50MHz	N/A	> 16.7 dB	22.4 dB
7,8-1,2	DH	OK	41.7 dB @ 226.50MHz	N/A	> 17.1 dB	24.6 dB
3,6-7,8	DH	OK	33.9 dB @ 181.50MHz	N/A	> 19.0 dB	14.9 dB
3,6-5,4	DH	OK	37.1 dB @ 157.50MHz	N/A	> 20.2 dB	16.9 dB
3,6-1,2	DH	OK	40.0 dB @ 227.50MHz	N/A	> 17.0 dB	23.0 dB
5,4-7,8	DH	OK	39.9 dB @ 249.50MHz	N/A	> 16.2 dB	23.7 dB
5,4-3,6	DH	OK	36.5 dB @ 186.50MHz	N/A	> 18.7 dB	17.8 dB
5,4-1,2	DH	OK	40.3 dB @ 197.00MHz	N/A	> 18.3 dB	22.0 dB
1,2-7,8	DH	OK	39.1 dB @ 225.00MHz	N/A	> 17.1 dB	22.0 dB
1,2-3,6	DH	OK	38.4 dB @ 229.00MHz	N/A	> 17.0 dB	21.4 dB
1,2-5,4	DH	OK	39.0 dB @ 195.50MHz	N/A	> 18.3 dB	20.7 dB
7,8-3,6	RH	OK	35.0 dB @ 165.50MHz	N/A	> 19.8 dB	15.2 dB
7,8-5,4	RH	OK	39.9 dB @ 242.00MHz	N/A	> 16.5 dB	23.4 dB
7,8-1,2	RH	OK	41.2 dB @ 241.00MHz	N/A	> 16.5 dB	24.7 dB
3,6-7,8	RH	OK	33.2 dB @ 179.00MHz	N/A	> 19.1 dB	14.1 dB
3,6-5,4	RH	OK	36.8 dB @ 155.50MHz	N/A	> 20.3 dB	16.5 dB
3,6-1,2	RH	OK	38.6 dB @ 230.50MHz	N/A	> 16.9 dB	21.7 dB
5,4-7,8	RH	OK	39.2 dB @ 249.50MHz	N/A	> 16.2 dB	23.0 dB
5,4-3,6	RH	OK	36.1 dB @ 189.00MHz	N/A	> 18.6 dB	17.5 dB
5,4-1,2	RH	OK	39.1 dB @ 197.00MHz	N/A	> 18.3 dB	20.8 dB
1,2-7,8	RH	OK	39.8 dB @ 227.50MHz	N/A	> 17.0 dB	22.8 dB
1,2-3,6	RH	OK	39.5 dB @ 228.50MHz	N/A	> 17.0 dB	22.5 dB
1,2-5,4	RH	OK	39.9 dB @ 200.00MHz	N/A	> 18.1 dB	21.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.3 dB @ 245.00MHz	N/A	> 32.5 dB	7.8 dB
3,6	DH	OK	39.6 dB @ 245.00MHz	N/A	> 32.5 dB	7.1 dB
5,4	DH	OK	47.5 dB @ 241.50MHz	N/A	> 32.6 dB	14.9 dB
1,2	DH	OK	44.2 dB @ 239.50MHz	N/A	> 32.6 dB	11.6 dB
7,8	RH	OK	44.9 dB @ 250.00MHz	N/A	> 32.3 dB	12.6 dB
3,6	RH	OK	42.7 dB @ 232.00MHz	N/A	> 32.8 dB	9.9 dB
5,4	RH	OK	45.4 dB @ 250.00MHz	N/A	> 32.3 dB	13.1 dB
1,2	RH	OK	43.6 dB @ 231.00MHz	N/A	> 32.9 dB	10.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	20.1 dB @ 244.50MHz	N/A	>= 1.8 dB	18.3 dB
3,6	DH	OK	19.0 dB @ 243.00MHz	N/A	>= 1.9 dB	17.1 dB
5,4	DH	OK	27.3 dB @ 241.50MHz	N/A	>= 2.1 dB	25.2 dB
1,2	DH	OK	25.0 dB @ 240.00MHz	N/A	>= 2.2 dB	22.8 dB
7,8	RH	OK	25.1 dB @ 250.00MHz	N/A	>= 1.1 dB	24.0 dB
3,6	RH	OK	22.3 dB @ 230.50MHz	N/A	>= 3.2 dB	19.1 dB
5,4	RH	OK	24.8 dB @ 249.50MHz	N/A	>= 1.2 dB	23.6 dB
1,2	RH	OK	24.8 dB @ 230.50MHz	N/A	>= 3.2 dB	21.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.5 dB @ 225.00MHz	N/A	>= 14.1 dB	18.4 dB
3,6	DH	OK	32.2 dB @ 171.00MHz	N/A	>= 16.5 dB	15.7 dB
5,4	DH	OK	34.7 dB @ 189.00MHz	N/A	>= 15.6 dB	19.1 dB
1,2	DH	OK	37.4 dB @ 227.50MHz	N/A	>= 14.0 dB	23.4 dB
7,8	RH	OK	34.1 dB @ 229.50MHz	N/A	>= 13.9 dB	20.2 dB
3,6	RH	OK	31.7 dB @ 181.50MHz	N/A	>= 16.0 dB	15.7 dB
5,4	RH	OK	34.0 dB @ 189.00MHz	N/A	>= 15.6 dB	18.4 dB
1,2	RH	OK	36.6 dB @ 227.50MHz	N/A	>= 14.0 dB	22.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

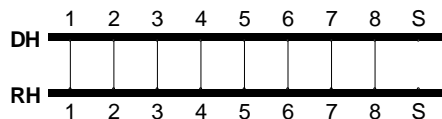
**OK**

ID cavo 1: 0089  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:32:58  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	63.2m	64.8m	66.0m	63.0m	< 90.0m	OK
Ritardo di propag.	307.9ns	315.4ns	320.6ns	306.7ns	< 510.0ns	OK
Diff. t. ritardo	13.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.3 Ohm	99.8 Ohm	99.3 Ohm	100.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.3 Ohm	13.1 Ohm	14.1 Ohm	12.7 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.4pF/m	47.5pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	10.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.3 dB @ 234.50MHz	N/A	> 35.8 dB	6.5 dB
7,8-5,4	DH	OK	50.2 dB @ 228.00MHz	N/A	> 36.0 dB	14.2 dB
7,8-1,2	DH	OK	61.4 dB @ 235.00MHz	N/A	> 35.8 dB	25.6 dB
3,6-5,4	DH	OK	51.9 dB @ 233.50MHz	N/A	> 35.8 dB	16.1 dB
3,6-1,2	DH	OK	45.5 dB @ 226.50MHz	N/A	> 36.0 dB	9.5 dB
5,4-1,2	DH	OK	49.0 dB @ 249.50MHz	N/A	> 35.3 dB	13.7 dB
7,8-3,6	RH	OK	45.8 dB @ 228.50MHz	N/A	> 36.0 dB	9.8 dB
7,8-5,4	RH	OK	47.6 dB @ 244.00MHz	N/A	> 35.5 dB	12.1 dB
7,8-1,2	RH	OK	54.2 dB @ 185.00MHz	N/A	> 37.5 dB	16.7 dB
3,6-5,4	RH	OK	53.8 dB @ 232.00MHz	N/A	> 35.8 dB	18.0 dB
3,6-1,2	RH	OK	44.4 dB @ 236.50MHz	N/A	> 35.7 dB	8.7 dB
5,4-1,2	RH	OK	51.3 dB @ 250.00MHz	N/A	> 35.3 dB	16.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 173.00MHz	N/A	> 11.6 dB	4.8 dB
3,6	DH	OK	16.7 dB @ 231.00MHz	N/A	> 10.4 dB	6.3 dB
5,4	DH	OK	17.1 dB @ 236.50MHz	N/A	> 10.3 dB	6.8 dB
1,2	DH	OK	17.1 dB @ 222.00MHz	N/A	> 10.5 dB	6.6 dB
7,8	RH	OK	15.6 dB @ 213.50MHz	N/A	> 10.7 dB	4.9 dB
3,6	RH	OK	16.9 dB @ 179.50MHz	N/A	> 11.4 dB	5.5 dB
5,4	RH	OK	18.3 dB @ 225.50MHz	N/A	> 10.5 dB	7.8 dB
1,2	RH	OK	16.5 dB @ 216.50MHz	N/A	> 10.6 dB	5.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.9 dB @ 246.00MHz	N/A	< 30.9 dB	11.0 dB
3,6	OK	20.4 dB @ 248.00MHz	N/A	< 31.0 dB	10.6 dB
5,4	OK	20.1 dB @ 247.00MHz	N/A	< 30.9 dB	10.8 dB
1,2	OK	19.5 dB @ 250.00MHz	N/A	< 31.2 dB	11.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	23.0 dB @ 234.50MHz	N/A	>= 5.8 dB	17.2 dB
3,6	DH	OK	22.4 dB @ 234.50MHz	N/A	>= 5.8 dB	16.6 dB
5,4	DH	OK	29.3 dB @ 248.50MHz	N/A	>= 4.4 dB	24.9 dB
1,2	DH	OK	26.6 dB @ 250.00MHz	N/A	>= 4.1 dB	22.5 dB
7,8	RH	OK	27.0 dB @ 242.50MHz	N/A	>= 4.9 dB	22.1 dB
3,6	RH	OK	24.4 dB @ 236.00MHz	N/A	>= 5.6 dB	18.8 dB
5,4	RH	OK	28.0 dB @ 244.00MHz	N/A	>= 4.8 dB	23.2 dB
1,2	RH	OK	25.1 dB @ 236.00MHz	N/A	>= 5.6 dB	19.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0089  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:32:58  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.0 dB @ 170.50MHz	N/A	> 19.5 dB	16.5 dB
7,8-5,4	DH	OK	38.5 dB @ 248.50MHz	N/A	> 16.3 dB	22.2 dB
7,8-1,2	DH	OK	44.8 dB @ 236.00MHz	N/A	> 16.7 dB	28.1 dB
3,6-7,8	DH	OK	36.2 dB @ 249.50MHz	N/A	> 16.2 dB	20.0 dB
3,6-5,4	DH	OK	32.2 dB @ 195.00MHz	N/A	> 18.4 dB	13.8 dB
3,6-1,2	DH	OK	36.8 dB @ 226.00MHz	N/A	> 17.1 dB	19.7 dB
5,4-7,8	DH	OK	39.4 dB @ 246.00MHz	N/A	> 16.3 dB	23.1 dB
5,4-3,6	DH	OK	31.6 dB @ 199.00MHz	N/A	> 18.2 dB	13.4 dB
5,4-1,2	DH	OK	37.3 dB @ 249.00MHz	N/A	> 16.2 dB	21.1 dB
1,2-7,8	DH	OK	42.9 dB @ 229.00MHz	N/A	> 17.0 dB	25.9 dB
1,2-3,6	DH	OK	36.6 dB @ 224.00MHz	N/A	> 17.2 dB	19.4 dB
1,2-5,4	DH	OK	37.4 dB @ 249.50MHz	N/A	> 16.2 dB	21.2 dB
7,8-3,6	RH	OK	36.5 dB @ 170.50MHz	N/A	> 19.5 dB	17.0 dB
7,8-5,4	RH	OK	38.7 dB @ 248.50MHz	N/A	> 16.3 dB	22.4 dB
7,8-1,2	RH	OK	44.3 dB @ 233.50MHz	N/A	> 16.8 dB	27.5 dB
3,6-7,8	RH	OK	35.4 dB @ 248.00MHz	N/A	> 16.3 dB	19.1 dB
3,6-5,4	RH	OK	31.9 dB @ 198.50MHz	N/A	> 18.2 dB	13.7 dB
3,6-1,2	RH	OK	36.0 dB @ 226.00MHz	N/A	> 17.1 dB	18.9 dB
5,4-7,8	RH	OK	39.4 dB @ 247.00MHz	N/A	> 16.3 dB	23.1 dB
5,4-3,6	RH	OK	32.0 dB @ 195.00MHz	N/A	> 18.4 dB	13.6 dB
5,4-1,2	RH	OK	37.0 dB @ 249.00MHz	N/A	> 16.2 dB	20.8 dB
1,2-7,8	RH	OK	42.9 dB @ 229.00MHz	N/A	> 17.0 dB	25.9 dB
1,2-3,6	RH	OK	37.5 dB @ 218.50MHz	N/A	> 17.4 dB	20.1 dB
1,2-5,4	RH	OK	37.7 dB @ 250.00MHz	N/A	> 16.2 dB	21.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.7 dB @ 234.50MHz	N/A	> 32.8 dB	8.9 dB
3,6	DH	OK	40.7 dB @ 234.50MHz	N/A	> 32.8 dB	7.9 dB
5,4	DH	OK	47.4 dB @ 235.00MHz	N/A	> 32.8 dB	14.6 dB
1,2	DH	OK	44.2 dB @ 249.50MHz	N/A	> 32.3 dB	11.9 dB
7,8	RH	OK	43.7 dB @ 242.50MHz	N/A	> 32.5 dB	11.2 dB
3,6	RH	OK	42.1 dB @ 228.00MHz	N/A	> 33.0 dB	9.1 dB
5,4	RH	OK	46.9 dB @ 244.00MHz	N/A	> 32.5 dB	14.4 dB
1,2	RH	OK	44.0 dB @ 236.50MHz	N/A	> 32.7 dB	11.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	22.4 dB @ 234.50MHz	N/A	>= 2.8 dB	19.6 dB
3,6	DH	OK	20.8 dB @ 234.50MHz	N/A	>= 2.8 dB	18.0 dB
5,4	DH	OK	28.0 dB @ 234.50MHz	N/A	>= 2.8 dB	25.2 dB
1,2	DH	OK	24.8 dB @ 250.00MHz	N/A	>= 1.1 dB	23.7 dB
7,8	RH	OK	24.5 dB @ 242.50MHz	N/A	>= 1.9 dB	22.6 dB
3,6	RH	OK	22.4 dB @ 236.00MHz	N/A	>= 2.6 dB	19.8 dB
5,4	RH	OK	27.3 dB @ 244.00MHz	N/A	>= 1.8 dB	25.5 dB
1,2	RH	OK	24.8 dB @ 236.00MHz	N/A	>= 2.6 dB	22.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.4 dB @ 249.50MHz	N/A	>= 13.2 dB	21.2 dB
3,6	DH	OK	30.0 dB @ 177.50MHz	N/A	>= 16.2 dB	13.8 dB
5,4	DH	OK	31.3 dB @ 191.50MHz	N/A	>= 15.5 dB	15.8 dB
1,2	DH	OK	36.2 dB @ 229.00MHz	N/A	>= 14.0 dB	22.2 dB
7,8	RH	OK	34.9 dB @ 248.50MHz	N/A	>= 13.3 dB	21.6 dB
3,6	RH	OK	30.2 dB @ 195.00MHz	N/A	>= 15.4 dB	14.8 dB
5,4	RH	OK	31.1 dB @ 195.00MHz	N/A	>= 15.4 dB	15.7 dB
1,2	RH	OK	36.5 dB @ 219.00MHz	N/A	>= 14.4 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0090  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:34:06  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	63.1m	64.8m	66.1m	62.7m	< 90.0m	OK
Ritardo di propag.	307.1ns	315.0ns	321.3ns	305.7ns	< 510.0ns	OK
Diff. t. ritardo	15.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.5 Ohm	100.1 Ohm	99.0 Ohm	102.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.0 Ohm	13.7 Ohm	13.0 Ohm	12.7 Ohm	< 20.0 Ohm	OK
Capacità	46.9pF/m	47.1pF/m	47.7pF/m	46.1pF/m	< 66.0pF/m	OK
Riserva	8.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 244.50MHz	N/A	> 35.5 dB	6.0 dB
7,8-5,4	DH	OK	51.6 dB @ 239.50MHz	N/A	> 35.6 dB	16.0 dB
7,8-1,2	DH	OK	60.3 dB @ 234.50MHz	N/A	> 35.8 dB	24.5 dB
3,6-5,4	DH	OK	53.8 dB @ 228.50MHz	N/A	> 36.0 dB	17.8 dB
3,6-1,2	DH	OK	45.9 dB @ 245.00MHz	N/A	> 35.5 dB	10.4 dB
5,4-1,2	DH	OK	48.5 dB @ 250.00MHz	N/A	> 35.3 dB	13.2 dB
7,8-3,6	RH	OK	44.4 dB @ 179.00MHz	N/A	> 37.7 dB	6.7 dB
7,8-5,4	RH	OK	48.2 dB @ 238.00MHz	N/A	> 35.7 dB	12.5 dB
7,8-1,2	RH	OK	55.5 dB @ 193.00MHz	N/A	> 37.2 dB	18.3 dB
3,6-5,4	RH	OK	53.0 dB @ 242.00MHz	N/A	> 35.5 dB	17.5 dB
3,6-1,2	RH	OK	48.5 dB @ 224.50MHz	N/A	> 36.1 dB	12.4 dB
5,4-1,2	RH	OK	53.6 dB @ 199.50MHz	N/A	> 36.9 dB	16.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.8 dB @ 221.50MHz	N/A	> 10.5 dB	6.3 dB
3,6	DH	OK	15.6 dB @ 230.00MHz	N/A	> 10.4 dB	5.2 dB
5,4	DH	OK	17.6 dB @ 231.50MHz	N/A	> 10.3 dB	7.3 dB
1,2	DH	OK	17.8 dB @ 219.00MHz	N/A	> 10.6 dB	7.2 dB
7,8	RH	OK	15.6 dB @ 229.00MHz	N/A	> 10.4 dB	5.2 dB
3,6	RH	OK	16.7 dB @ 234.50MHz	N/A	> 10.3 dB	6.4 dB
5,4	RH	OK	18.3 dB @ 228.50MHz	N/A	> 10.4 dB	7.9 dB
1,2	RH	OK	17.1 dB @ 103.50MHz	N/A	> 13.8 dB	3.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.5 dB @ 249.50MHz	N/A	< 31.1 dB	11.6 dB
3,6	OK	20.6 dB @ 245.50MHz	N/A	< 30.8 dB	10.2 dB
5,4	OK	20.6 dB @ 236.00MHz	N/A	< 30.1 dB	9.5 dB
1,2	OK	19.1 dB @ 248.00MHz	N/A	< 31.0 dB	11.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.3 dB @ 244.50MHz	N/A	>= 4.8 dB	17.5 dB
3,6	DH	OK	21.1 dB @ 245.50MHz	N/A	>= 4.6 dB	16.5 dB
5,4	DH	OK	28.7 dB @ 250.00MHz	N/A	>= 4.1 dB	24.6 dB
1,2	DH	OK	27.4 dB @ 244.50MHz	N/A	>= 4.8 dB	22.6 dB
7,8	RH	OK	25.8 dB @ 237.00MHz	N/A	>= 5.5 dB	20.3 dB
3,6	RH	OK	25.1 dB @ 234.00MHz	N/A	>= 5.8 dB	19.3 dB
5,4	RH	OK	28.6 dB @ 247.00MHz	N/A	>= 4.5 dB	24.1 dB
1,2	RH	OK	30.7 dB @ 224.50MHz	N/A	>= 6.8 dB	23.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0090  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:34:06  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.5 dB @ 223.00MHz	N/A	> 17.2 dB	13.3 dB
7,8-5,4	DH	OK	26.6 dB @ 223.00MHz	N/A	> 17.2 dB	9.4 dB
7,8-1,2	DH	OK	33.0 dB @ 223.00MHz	N/A	> 17.2 dB	15.8 dB
3,6-7,8	DH	OK	29.5 dB @ 223.00MHz	N/A	> 17.2 dB	12.3 dB
3,6-5,4	DH	OK	26.1 dB @ 223.00MHz	N/A	> 17.2 dB	8.9 dB
3,6-1,2	DH	OK	32.4 dB @ 223.00MHz	N/A	> 17.2 dB	15.2 dB
5,4-7,8	DH	OK	30.4 dB @ 223.00MHz	N/A	> 17.2 dB	13.2 dB
5,4-3,6	DH	OK	30.6 dB @ 223.00MHz	N/A	> 17.2 dB	13.4 dB
5,4-1,2	DH	OK	31.6 dB @ 223.00MHz	N/A	> 17.2 dB	14.4 dB
1,2-7,8	DH	OK	28.9 dB @ 223.00MHz	N/A	> 17.2 dB	11.7 dB
1,2-3,6	DH	OK	33.4 dB @ 223.00MHz	N/A	> 17.2 dB	16.2 dB
1,2-5,4	DH	OK	25.0 dB @ 223.00MHz	N/A	> 17.2 dB	7.8 dB
7,8-3,6	RH	OK	30.7 dB @ 223.00MHz	N/A	> 17.2 dB	13.5 dB
7,8-5,4	RH	OK	27.1 dB @ 223.00MHz	N/A	> 17.2 dB	9.9 dB
7,8-1,2	RH	OK	32.3 dB @ 223.00MHz	N/A	> 17.2 dB	15.1 dB
3,6-7,8	RH	OK	29.3 dB @ 223.00MHz	N/A	> 17.2 dB	12.1 dB
3,6-5,4	RH	OK	26.4 dB @ 223.00MHz	N/A	> 17.2 dB	9.2 dB
3,6-1,2	RH	OK	31.5 dB @ 223.00MHz	N/A	> 17.2 dB	14.3 dB
5,4-7,8	RH	OK	29.9 dB @ 223.00MHz	N/A	> 17.2 dB	12.7 dB
5,4-3,6	RH	OK	30.3 dB @ 223.00MHz	N/A	> 17.2 dB	13.1 dB
5,4-1,2	RH	OK	30.4 dB @ 223.00MHz	N/A	> 17.2 dB	13.2 dB
1,2-7,8	RH	OK	29.6 dB @ 223.00MHz	N/A	> 17.2 dB	12.4 dB
1,2-3,6	RH	OK	34.3 dB @ 223.00MHz	N/A	> 17.2 dB	17.1 dB
1,2-5,4	RH	OK	26.2 dB @ 223.00MHz	N/A	> 17.2 dB	9.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 244.50MHz	N/A	> 32.5 dB	8.8 dB
3,6	DH	OK	40.1 dB @ 244.50MHz	N/A	> 32.5 dB	7.6 dB
5,4	DH	OK	47.0 dB @ 250.00MHz	N/A	> 32.3 dB	14.7 dB
1,2	DH	OK	44.8 dB @ 247.00MHz	N/A	> 32.4 dB	12.4 dB
7,8	RH	OK	43.1 dB @ 179.00MHz	N/A	> 34.7 dB	8.4 dB
3,6	RH	OK	43.2 dB @ 229.00MHz	N/A	> 32.9 dB	10.3 dB
5,4	RH	OK	46.9 dB @ 247.00MHz	N/A	> 32.4 dB	14.5 dB
1,2	RH	OK	48.0 dB @ 224.50MHz	N/A	> 33.1 dB	14.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	22.1 dB @ 243.00MHz	N/A	>= 1.9 dB	20.2 dB
3,6	DH	OK	19.6 dB @ 245.50MHz	N/A	>= 1.6 dB	18.0 dB
5,4	DH	OK	27.2 dB @ 250.00MHz	N/A	>= 1.1 dB	26.1 dB
1,2	DH	OK	26.3 dB @ 248.00MHz	N/A	>= 1.4 dB	24.9 dB
7,8	RH	OK	24.0 dB @ 237.00MHz	N/A	>= 2.5 dB	21.5 dB
3,6	RH	OK	23.6 dB @ 229.00MHz	N/A	>= 3.3 dB	20.3 dB
5,4	RH	OK	26.9 dB @ 247.00MHz	N/A	>= 1.5 dB	25.4 dB
1,2	RH	OK	30.2 dB @ 224.50MHz	N/A	>= 3.8 dB	26.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.7 dB @ 223.00MHz	N/A	>= 14.2 dB	10.5 dB
3,6	DH	OK	26.5 dB @ 223.00MHz	N/A	>= 14.2 dB	12.3 dB
5,4	DH	OK	21.0 dB @ 223.00MHz	N/A	>= 14.2 dB	6.8 dB
1,2	DH	OK	27.5 dB @ 223.00MHz	N/A	>= 14.2 dB	13.3 dB
7,8	RH	OK	24.6 dB @ 223.00MHz	N/A	>= 14.2 dB	10.4 dB
3,6	RH	OK	23.7 dB @ 223.00MHz	N/A	>= 14.2 dB	9.5 dB
5,4	RH	OK	25.4 dB @ 223.00MHz	N/A	>= 14.2 dB	11.2 dB
1,2	RH	OK	24.1 dB @ 223.00MHz	N/A	>= 14.2 dB	9.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0091  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:35:24  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	62.3m	63.9m	65.0m	62.1m	< 90.0m	OK
Ritardo di propag.	303.5ns	310.9ns	316.0ns	302.5ns	< 510.0ns	OK
Diff. t. ritardo	13.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.5 Ohm	99.9 Ohm	99.6 Ohm	100.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.3 Ohm	12.7 Ohm	12.8 Ohm	12.1 Ohm	< 20.0 Ohm	OK
Capacità	46.9pF/m	47.3pF/m	47.4pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	9.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.8 dB @ 248.00MHz	N/A	> 35.4 dB	5.4 dB
7,8-5,4	DH	OK	49.8 dB @ 242.00MHz	N/A	> 35.5 dB	14.3 dB
7,8-1,2	DH	OK	57.4 dB @ 194.00MHz	N/A	> 37.1 dB	20.3 dB
3,6-5,4	DH	OK	53.4 dB @ 233.50MHz	N/A	> 35.8 dB	17.6 dB
3,6-1,2	DH	OK	47.7 dB @ 249.50MHz	N/A	> 35.3 dB	12.4 dB
5,4-1,2	DH	OK	50.1 dB @ 143.50MHz	N/A	> 39.3 dB	10.8 dB
7,8-3,6	RH	OK	45.6 dB @ 232.50MHz	N/A	> 35.8 dB	9.8 dB
7,8-5,4	RH	OK	46.8 dB @ 230.50MHz	N/A	> 35.9 dB	10.9 dB
7,8-1,2	RH	OK	57.6 dB @ 186.50MHz	N/A	> 37.4 dB	20.2 dB
3,6-5,4	RH	OK	50.4 dB @ 230.00MHz	N/A	> 35.9 dB	14.5 dB
3,6-1,2	RH	OK	47.1 dB @ 232.00MHz	N/A	> 35.8 dB	11.3 dB
5,4-1,2	RH	OK	51.7 dB @ 184.50MHz	N/A	> 37.5 dB	14.2 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.0 dB @ 228.00MHz	N/A	> 10.4 dB	6.6 dB
3,6	DH	OK	15.3 dB @ 224.00MHz	N/A	> 10.5 dB	4.8 dB
5,4	DH	OK	17.8 dB @ 228.50MHz	N/A	> 10.4 dB	7.4 dB
1,2	DH	OK	18.1 dB @ 176.00MHz	N/A	> 11.5 dB	6.6 dB
7,8	RH	OK	16.1 dB @ 170.50MHz	N/A	> 11.7 dB	4.4 dB
3,6	RH	OK	17.4 dB @ 224.50MHz	N/A	> 10.5 dB	6.9 dB
5,4	RH	OK	20.2 dB @ 222.50MHz	N/A	> 10.5 dB	9.7 dB
1,2	RH	OK	16.5 dB @ 218.00MHz	N/A	> 10.6 dB	5.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.5 dB @ 249.00MHz	N/A	< 31.1 dB	11.6 dB
3,6	OK	19.9 dB @ 245.00MHz	N/A	< 30.8 dB	10.9 dB
5,4	OK	19.7 dB @ 248.50MHz	N/A	< 31.0 dB	11.3 dB
1,2	OK	19.1 dB @ 248.50MHz	N/A	< 31.0 dB	11.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	21.7 dB @ 249.00MHz	N/A	>= 4.2 dB	17.5 dB
3,6	DH	OK	20.9 dB @ 245.00MHz	N/A	>= 4.7 dB	16.2 dB
5,4	DH	OK	30.7 dB @ 242.50MHz	N/A	>= 4.9 dB	25.8 dB
1,2	DH	OK	28.8 dB @ 248.50MHz	N/A	>= 4.4 dB	24.4 dB
7,8	RH	OK	26.6 dB @ 232.50MHz	N/A	>= 5.9 dB	20.7 dB
3,6	RH	OK	26.2 dB @ 232.50MHz	N/A	>= 5.9 dB	20.3 dB
5,4	RH	OK	28.1 dB @ 242.50MHz	N/A	>= 4.9 dB	23.2 dB
1,2	RH	OK	28.7 dB @ 231.50MHz	N/A	>= 6.1 dB	22.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0091  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:35:24  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.6 dB @ 178.50MHz	N/A	> 19.1 dB	17.5 dB
7,8-5,4	DH	OK	31.4 dB @ 55.50MHz	N/A	> 29.3 dB	2.1 dB
7,8-1,2	DH	OK	40.8 dB @ 215.00MHz	N/A	> 17.5 dB	23.3 dB
3,6-7,8	DH	OK	35.3 dB @ 171.00MHz	N/A	> 19.5 dB	15.8 dB
3,6-5,4	DH	OK	32.4 dB @ 55.50MHz	N/A	> 29.3 dB	3.1 dB
3,6-1,2	DH	OK	43.7 dB @ 250.00MHz	N/A	> 16.2 dB	27.5 dB
5,4-7,8	DH	OK	42.5 dB @ 226.50MHz	N/A	> 17.1 dB	25.4 dB
5,4-3,6	DH	OK	33.0 dB @ 234.50MHz	N/A	> 16.8 dB	16.2 dB
5,4-1,2	DH	OK	37.2 dB @ 199.50MHz	N/A	> 18.2 dB	19.0 dB
1,2-7,8	DH	OK	41.3 dB @ 232.50MHz	N/A	> 16.8 dB	24.5 dB
1,2-3,6	DH	OK	39.7 dB @ 55.50MHz	N/A	> 29.3 dB	10.4 dB
1,2-5,4	DH	OK	31.2 dB @ 55.50MHz	N/A	> 29.3 dB	1.9 dB
7,8-3,6	RH	OK	37.3 dB @ 173.50MHz	N/A	> 19.4 dB	17.9 dB
7,8-5,4	RH	OK	31.4 dB @ 55.50MHz	N/A	> 29.3 dB	2.1 dB
7,8-1,2	RH	OK	40.7 dB @ 212.50MHz	N/A	> 17.6 dB	23.1 dB
3,6-7,8	RH	OK	34.7 dB @ 172.00MHz	N/A	> 19.4 dB	15.3 dB
3,6-5,4	RH	OK	32.2 dB @ 55.50MHz	N/A	> 29.3 dB	2.9 dB
3,6-1,2	RH	OK	42.4 dB @ 250.00MHz	N/A	> 16.2 dB	26.2 dB
5,4-7,8	RH	OK	42.6 dB @ 189.50MHz	N/A	> 18.6 dB	24.0 dB
5,4-3,6	RH	OK	33.6 dB @ 237.50MHz	N/A	> 16.7 dB	16.9 dB
5,4-1,2	RH	OK	36.8 dB @ 199.50MHz	N/A	> 18.2 dB	18.6 dB
1,2-7,8	RH	OK	41.6 dB @ 236.00MHz	N/A	> 16.7 dB	24.9 dB
1,2-3,6	RH	OK	40.0 dB @ 55.50MHz	N/A	> 29.3 dB	10.7 dB
1,2-5,4	RH	OK	31.3 dB @ 55.50MHz	N/A	> 29.3 dB	2.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.2 dB @ 242.00MHz	N/A	> 32.5 dB	7.7 dB
3,6	DH	OK	40.1 dB @ 248.00MHz	N/A	> 32.4 dB	7.7 dB
5,4	DH	OK	47.5 dB @ 223.00MHz	N/A	> 33.1 dB	14.4 dB
1,2	DH	OK	46.1 dB @ 250.00MHz	N/A	> 32.3 dB	13.8 dB
7,8	RH	OK	43.5 dB @ 231.50MHz	N/A	> 32.9 dB	10.6 dB
3,6	RH	OK	42.6 dB @ 232.00MHz	N/A	> 32.8 dB	9.8 dB
5,4	RH	OK	45.2 dB @ 230.00MHz	N/A	> 32.9 dB	12.3 dB
1,2	RH	OK	46.9 dB @ 232.50MHz	N/A	> 32.8 dB	14.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.4 dB @ 244.50MHz	N/A	>= 1.8 dB	19.6 dB
3,6	DH	OK	20.2 dB @ 245.00MHz	N/A	>= 1.7 dB	18.5 dB
5,4	DH	OK	28.6 dB @ 241.50MHz	N/A	>= 2.1 dB	26.5 dB
1,2	DH	OK	27.4 dB @ 249.50MHz	N/A	>= 1.2 dB	26.2 dB
7,8	RH	OK	24.6 dB @ 232.50MHz	N/A	>= 2.9 dB	21.7 dB
3,6	RH	OK	23.3 dB @ 232.50MHz	N/A	>= 2.9 dB	20.4 dB
5,4	RH	OK	26.0 dB @ 242.50MHz	N/A	>= 1.9 dB	24.1 dB
1,2	RH	OK	28.5 dB @ 231.50MHz	N/A	>= 3.1 dB	25.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.3 dB @ 171.00MHz	N/A	>= 16.5 dB	17.8 dB
3,6	DH	OK	32.4 dB @ 234.50MHz	N/A	>= 13.8 dB	18.6 dB
5,4	DH	OK	26.8 dB @ 55.50MHz	N/A	>= 26.3 dB	0.5 dB
1,2	DH	OK	35.7 dB @ 250.00MHz	N/A	>= 13.2 dB	22.5 dB
7,8	RH	OK	30.2 dB @ 55.50MHz	N/A	>= 26.3 dB	3.9 dB
3,6	RH	OK	31.7 dB @ 55.50MHz	N/A	>= 26.3 dB	5.4 dB
5,4	RH	OK	32.2 dB @ 200.50MHz	N/A	>= 15.1 dB	17.1 dB
1,2	RH	OK	30.6 dB @ 55.50MHz	N/A	>= 26.3 dB	4.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

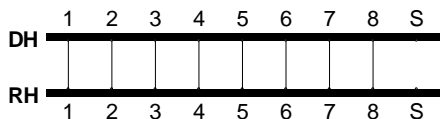
**OK**

ID cavo 1: 0092  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:36:48  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	62.5m	64.1m	65.4m	62.1m	< 90.0m	OK
Ritardo di propag.	304.3ns	311.8ns	317.9ns	302.6ns	< 510.0ns	OK
Diff. t. ritardo	15.3ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.1 Ohm	99.7 Ohm	98.7 Ohm	102.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.2 Ohm	13.0 Ohm	12.9 Ohm	12.8 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.3pF/m	47.8pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	9.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.4 dB @ 244.50MHz	N/A	> 35.5 dB	5.9 dB
7,8-5,4	DH	OK	50.4 dB @ 229.50MHz	N/A	> 35.9 dB	14.5 dB
7,8-1,2	DH	OK	55.9 dB @ 185.50MHz	N/A	> 37.4 dB	18.5 dB
3,6-5,4	DH	OK	51.7 dB @ 161.00MHz	N/A	> 38.4 dB	13.3 dB
3,6-1,2	DH	OK	47.3 dB @ 240.50MHz	N/A	> 35.6 dB	11.7 dB
5,4-1,2	DH	OK	50.2 dB @ 211.00MHz	N/A	> 36.5 dB	13.7 dB
7,8-3,6	RH	OK	45.3 dB @ 228.50MHz	N/A	> 36.0 dB	9.3 dB
7,8-5,4	RH	OK	45.6 dB @ 225.50MHz	N/A	> 36.0 dB	9.6 dB
7,8-1,2	RH	OK	55.5 dB @ 194.50MHz	N/A	> 37.1 dB	18.4 dB
3,6-5,4	RH	OK	51.2 dB @ 229.50MHz	N/A	> 35.9 dB	15.3 dB
3,6-1,2	RH	OK	47.0 dB @ 218.50MHz	N/A	> 36.3 dB	10.7 dB
5,4-1,2	RH	OK	53.4 dB @ 199.00MHz	N/A	> 36.9 dB	16.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 220.50MHz	N/A	> 10.6 dB	5.3 dB
3,6	DH	OK	17.0 dB @ 222.50MHz	N/A	> 10.5 dB	6.5 dB
5,4	DH	OK	17.6 dB @ 226.00MHz	N/A	> 10.4 dB	7.2 dB
1,2	DH	OK	16.4 dB @ 228.00MHz	N/A	> 10.4 dB	6.0 dB
7,8	RH	OK	13.9 dB @ 229.00MHz	N/A	> 10.4 dB	3.5 dB
3,6	RH	OK	16.4 dB @ 232.00MHz	N/A	> 10.3 dB	6.1 dB
5,4	RH	OK	18.1 dB @ 232.50MHz	N/A	> 10.3 dB	7.8 dB
1,2	RH	OK	16.2 dB @ 164.50MHz	N/A	> 11.8 dB	4.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.3 dB @ 250.00MHz	N/A	< 31.2 dB	11.9 dB
3,6	OK	20.3 dB @ 240.50MHz	N/A	< 30.4 dB	10.1 dB
5,4	OK	20.0 dB @ 249.50MHz	N/A	< 31.1 dB	11.1 dB
1,2	OK	19.1 dB @ 242.00MHz	N/A	< 30.6 dB	11.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.4 dB @ 244.50MHz	N/A	>= 4.8 dB	17.6 dB
3,6	DH	OK	21.7 dB @ 244.50MHz	N/A	>= 4.8 dB	16.9 dB
5,4	DH	OK	30.5 dB @ 249.50MHz	N/A	>= 4.2 dB	26.3 dB
1,2	DH	OK	28.5 dB @ 242.50MHz	N/A	>= 4.9 dB	23.6 dB
7,8	RH	OK	26.3 dB @ 228.00MHz	N/A	>= 6.5 dB	19.8 dB
3,6	RH	OK	25.6 dB @ 228.00MHz	N/A	>= 6.5 dB	19.1 dB
5,4	RH	OK	26.1 dB @ 238.00MHz	N/A	>= 5.4 dB	20.7 dB
1,2	RH	OK	29.5 dB @ 218.50MHz	N/A	>= 7.5 dB	22.0 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0092  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:36:48  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.6 dB @ 167.00MHz	N/A	> 19.7 dB	15.9 dB
7,8-5,4	DH	OK	41.7 dB @ 242.50MHz	N/A	> 16.5 dB	25.2 dB
7,8-1,2	DH	OK	45.4 dB @ 242.00MHz	N/A	> 16.5 dB	28.9 dB
3,6-7,8	DH	OK	34.9 dB @ 170.00MHz	N/A	> 19.5 dB	15.4 dB
3,6-5,4	DH	OK	34.2 dB @ 195.00MHz	N/A	> 18.4 dB	15.8 dB
3,6-1,2	DH	OK	35.6 dB @ 238.50MHz	N/A	> 16.6 dB	19.0 dB
5,4-7,8	DH	OK	41.4 dB @ 154.00MHz	N/A	> 20.4 dB	21.0 dB
5,4-3,6	DH	OK	33.0 dB @ 191.50MHz	N/A	> 18.5 dB	14.5 dB
5,4-1,2	DH	OK	37.6 dB @ 201.00MHz	N/A	> 18.1 dB	19.5 dB
1,2-7,8	DH	OK	42.6 dB @ 228.50MHz	N/A	> 17.0 dB	25.6 dB
1,2-3,6	DH	OK	33.9 dB @ 228.00MHz	N/A	> 17.0 dB	16.9 dB
1,2-5,4	DH	OK	37.3 dB @ 210.00MHz	N/A	> 17.7 dB	19.6 dB
7,8-3,6	RH	OK	36.1 dB @ 167.50MHz	N/A	> 19.7 dB	16.4 dB
7,8-5,4	RH	OK	42.1 dB @ 242.50MHz	N/A	> 16.5 dB	25.6 dB
7,8-1,2	RH	OK	45.6 dB @ 242.00MHz	N/A	> 16.5 dB	29.1 dB
3,6-7,8	RH	OK	34.5 dB @ 173.50MHz	N/A	> 19.4 dB	15.1 dB
3,6-5,4	RH	OK	34.0 dB @ 203.00MHz	N/A	> 18.0 dB	16.0 dB
3,6-1,2	RH	OK	34.2 dB @ 232.50MHz	N/A	> 16.8 dB	17.4 dB
5,4-7,8	RH	OK	41.1 dB @ 231.50MHz	N/A	> 16.9 dB	24.2 dB
5,4-3,6	RH	OK	33.3 dB @ 194.50MHz	N/A	> 18.4 dB	14.9 dB
5,4-1,2	RH	OK	37.0 dB @ 200.50MHz	N/A	> 18.1 dB	18.9 dB
1,2-7,8	RH	OK	43.5 dB @ 230.50MHz	N/A	> 16.9 dB	26.6 dB
1,2-3,6	RH	OK	35.6 dB @ 227.50MHz	N/A	> 17.0 dB	18.6 dB
1,2-5,4	RH	OK	37.5 dB @ 201.00MHz	N/A	> 18.1 dB	19.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.1 dB @ 244.50MHz	N/A	> 32.5 dB	8.6 dB
3,6	DH	OK	40.3 dB @ 244.50MHz	N/A	> 32.5 dB	7.8 dB
5,4	DH	OK	47.6 dB @ 245.50MHz	N/A	> 32.4 dB	15.2 dB
1,2	DH	OK	45.4 dB @ 249.50MHz	N/A	> 32.3 dB	13.1 dB
7,8	RH	OK	42.6 dB @ 226.00MHz	N/A	> 33.0 dB	9.6 dB
3,6	RH	OK	43.0 dB @ 228.50MHz	N/A	> 33.0 dB	10.0 dB
5,4	RH	OK	45.0 dB @ 229.50MHz	N/A	> 32.9 dB	12.1 dB
1,2	RH	OK	46.6 dB @ 218.50MHz	N/A	> 33.3 dB	13.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	22.1 dB @ 244.50MHz	N/A	>= 1.8 dB	20.3 dB
3,6	DH	OK	20.5 dB @ 245.00MHz	N/A	>= 1.7 dB	18.8 dB
5,4	DH	OK	27.9 dB @ 239.50MHz	N/A	>= 2.2 dB	25.7 dB
1,2	DH	OK	26.9 dB @ 242.50MHz	N/A	>= 1.9 dB	25.0 dB
7,8	RH	OK	23.7 dB @ 226.00MHz	N/A	>= 3.6 dB	20.1 dB
3,6	RH	OK	23.4 dB @ 228.00MHz	N/A	>= 3.5 dB	19.9 dB
5,4	RH	OK	25.5 dB @ 238.00MHz	N/A	>= 2.4 dB	23.1 dB
1,2	RH	OK	29.1 dB @ 218.50MHz	N/A	>= 4.5 dB	24.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.3 dB @ 170.00MHz	N/A	>= 16.5 dB	17.8 dB
3,6	DH	OK	30.9 dB @ 228.00MHz	N/A	>= 14.0 dB	16.9 dB
5,4	DH	OK	32.4 dB @ 204.00MHz	N/A	>= 15.0 dB	17.4 dB
1,2	DH	OK	35.0 dB @ 201.00MHz	N/A	>= 15.1 dB	19.9 dB
7,8	RH	OK	35.2 dB @ 154.00MHz	N/A	>= 17.4 dB	17.8 dB
3,6	RH	OK	30.9 dB @ 184.00MHz	N/A	>= 15.9 dB	15.0 dB
5,4	RH	OK	31.9 dB @ 200.50MHz	N/A	>= 15.1 dB	16.8 dB
1,2	RH	OK	34.6 dB @ 225.00MHz	N/A	>= 14.1 dB	20.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

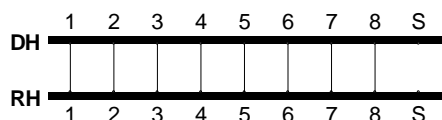
ID cavo 1: 0093  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:38:14  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	62.5m	64.2m	65.8m	62.1m	< 90.0m	OK
Ritardo di propag.	304.7ns	312.2ns	320.0ns	302.6ns	< 510.0ns	OK
Diff. t. ritardo	17.4ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.3 Ohm	99.7 Ohm	96.8 Ohm	102.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.0 Ohm	12.7 Ohm	13.1 Ohm	12.4 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.4pF/m	48.8pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	9.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.2 dB @ 238.00MHz	N/A	> 35.7 dB	5.5 dB
7,8-5,4	DH	OK	51.1 dB @ 231.50MHz	N/A	> 35.9 dB	15.2 dB
7,8-1,2	DH	OK	48.4 dB @ 237.00MHz	N/A	> 35.7 dB	12.7 dB
3,6-5,4	DH	OK	53.5 dB @ 173.00MHz	N/A	> 37.9 dB	15.6 dB
3,6-1,2	DH	OK	47.3 dB @ 248.00MHz	N/A	> 35.4 dB	11.9 dB
5,4-1,2	DH	OK	48.9 dB @ 250.00MHz	N/A	> 35.3 dB	13.6 dB
7,8-3,6	RH	OK	44.2 dB @ 227.00MHz	N/A	> 36.0 dB	8.2 dB
7,8-5,4	RH	OK	46.1 dB @ 229.00MHz	N/A	> 35.9 dB	10.2 dB
7,8-1,2	RH	OK	52.5 dB @ 209.50MHz	N/A	> 36.6 dB	15.9 dB
3,6-5,4	RH	OK	52.7 dB @ 236.00MHz	N/A	> 35.7 dB	17.0 dB
3,6-1,2	RH	OK	46.1 dB @ 233.00MHz	N/A	> 35.8 dB	10.3 dB
5,4-1,2	RH	OK	50.3 dB @ 249.00MHz	N/A	> 35.3 dB	15.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.2 dB @ 220.00MHz	N/A	> 10.6 dB	5.6 dB
3,6	DH	OK	16.3 dB @ 231.50MHz	N/A	> 10.3 dB	6.0 dB
5,4	DH	OK	17.1 dB @ 230.50MHz	N/A	> 10.4 dB	6.0 dB
1,2	DH	OK	16.6 dB @ 221.50MHz	N/A	> 10.5 dB	6.1 dB
7,8	RH	OK	15.4 dB @ 165.00MHz	N/A	> 11.8 dB	3.6 dB
3,6	RH	OK	17.3 dB @ 227.00MHz	N/A	> 10.4 dB	6.9 dB
5,4	RH	OK	17.8 dB @ 230.50MHz	N/A	> 10.4 dB	7.4 dB
1,2	RH	OK	15.0 dB @ 167.00MHz	N/A	> 11.8 dB	3.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.2 dB @ 248.50MHz	N/A	< 31.0 dB	11.8 dB
3,6	OK	20.1 dB @ 249.50MHz	N/A	< 31.1 dB	11.0 dB
5,4	OK	20.6 dB @ 248.50MHz	N/A	< 31.0 dB	10.4 dB
1,2	OK	19.0 dB @ 248.50MHz	N/A	< 31.0 dB	12.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.5 dB @ 238.00MHz	N/A	>= 5.4 dB	17.1 dB
3,6	DH	OK	21.5 dB @ 244.00MHz	N/A	>= 4.8 dB	16.7 dB
5,4	DH	OK	28.7 dB @ 250.00MHz	N/A	>= 4.1 dB	24.6 dB
1,2	DH	OK	28.5 dB @ 248.50MHz	N/A	>= 4.4 dB	24.1 dB
7,8	RH	OK	25.8 dB @ 227.00MHz	N/A	>= 6.5 dB	19.3 dB
3,6	RH	OK	24.9 dB @ 227.00MHz	N/A	>= 6.5 dB	18.4 dB
5,4	RH	OK	26.6 dB @ 229.00MHz	N/A	>= 6.3 dB	20.3 dB
1,2	RH	OK	27.5 dB @ 230.00MHz	N/A	>= 6.2 dB	21.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0093  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:38:14  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.0 dB @ 171.00MHz	N/A	> 19.5 dB	15.5 dB
7,8-5,4	DH	OK	40.2 dB @ 166.50MHz	N/A	> 19.7 dB	20.5 dB
7,8-1,2	DH	OK	46.9 dB @ 241.00MHz	N/A	> 16.5 dB	30.4 dB
3,6-7,8	DH	OK	37.1 dB @ 180.00MHz	N/A	> 19.1 dB	18.0 dB
3,6-5,4	DH	OK	34.8 dB @ 198.50MHz	N/A	> 18.2 dB	16.6 dB
3,6-1,2	DH	OK	39.0 dB @ 226.00MHz	N/A	> 17.1 dB	21.9 dB
5,4-7,8	DH	OK	40.6 dB @ 182.00MHz	N/A	> 19.0 dB	21.6 dB
5,4-3,6	DH	OK	34.4 dB @ 175.50MHz	N/A	> 19.3 dB	15.1 dB
5,4-1,2	DH	OK	38.8 dB @ 249.00MHz	N/A	> 16.2 dB	22.6 dB
1,2-7,8	DH	OK	49.0 dB @ 229.00MHz	N/A	> 17.0 dB	32.0 dB
1,2-3,6	DH	OK	41.4 dB @ 226.50MHz	N/A	> 17.1 dB	24.3 dB
1,2-5,4	DH	OK	36.2 dB @ 250.00MHz	N/A	> 16.2 dB	20.0 dB
7,8-3,6	RH	OK	35.8 dB @ 174.00MHz	N/A	> 19.3 dB	16.5 dB
7,8-5,4	RH	OK	41.0 dB @ 164.00MHz	N/A	> 19.9 dB	21.1 dB
7,8-1,2	RH	OK	46.6 dB @ 238.50MHz	N/A	> 16.6 dB	30.0 dB
3,6-7,8	RH	OK	36.3 dB @ 178.00MHz	N/A	> 19.2 dB	17.1 dB
3,6-5,4	RH	OK	35.1 dB @ 155.50MHz	N/A	> 20.3 dB	14.8 dB
3,6-1,2	RH	OK	38.6 dB @ 229.50MHz	N/A	> 16.9 dB	21.7 dB
5,4-7,8	RH	OK	39.6 dB @ 184.00MHz	N/A	> 18.9 dB	20.7 dB
5,4-3,6	RH	OK	34.0 dB @ 175.50MHz	N/A	> 19.3 dB	14.7 dB
5,4-1,2	RH	OK	37.1 dB @ 249.00MHz	N/A	> 16.2 dB	20.9 dB
1,2-7,8	RH	OK	49.3 dB @ 230.00MHz	N/A	> 16.9 dB	32.4 dB
1,2-3,6	RH	OK	42.2 dB @ 228.50MHz	N/A	> 17.0 dB	25.2 dB
1,2-5,4	RH	OK	37.9 dB @ 250.00MHz	N/A	> 16.2 dB	21.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.4 dB @ 238.00MHz	N/A	> 32.7 dB	7.7 dB
3,6	DH	OK	40.5 dB @ 238.00MHz	N/A	> 32.7 dB	7.8 dB
5,4	DH	OK	47.9 dB @ 250.00MHz	N/A	> 32.3 dB	15.6 dB
1,2	DH	OK	44.4 dB @ 248.00MHz	N/A	> 32.4 dB	12.0 dB
7,8	RH	OK	42.3 dB @ 228.00MHz	N/A	> 33.0 dB	9.3 dB
3,6	RH	OK	42.8 dB @ 227.00MHz	N/A	> 33.0 dB	9.8 dB
5,4	RH	OK	45.6 dB @ 229.00MHz	N/A	> 32.9 dB	12.7 dB
1,2	RH	OK	45.5 dB @ 233.00MHz	N/A	> 32.8 dB	12.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.7 dB @ 238.00MHz	N/A	>= 2.4 dB	19.3 dB
3,6	DH	OK	20.7 dB @ 244.00MHz	N/A	>= 1.8 dB	18.9 dB
5,4	DH	OK	27.7 dB @ 248.50MHz	N/A	>= 1.4 dB	26.3 dB
1,2	DH	OK	25.6 dB @ 248.50MHz	N/A	>= 1.4 dB	24.2 dB
7,8	RH	OK	23.8 dB @ 227.50MHz	N/A	>= 3.5 dB	20.3 dB
3,6	RH	OK	23.5 dB @ 227.00MHz	N/A	>= 3.5 dB	20.0 dB
5,4	RH	OK	25.8 dB @ 241.50MHz	N/A	>= 2.1 dB	23.7 dB
1,2	RH	OK	27.0 dB @ 230.00MHz	N/A	>= 3.2 dB	23.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.5 dB @ 180.00MHz	N/A	>= 16.1 dB	19.4 dB
3,6	DH	OK	31.7 dB @ 175.50MHz	N/A	>= 16.3 dB	15.4 dB
5,4	DH	OK	32.4 dB @ 198.50MHz	N/A	>= 15.2 dB	17.2 dB
1,2	DH	OK	37.2 dB @ 194.50MHz	N/A	>= 15.4 dB	21.8 dB
7,8	RH	OK	34.6 dB @ 174.00MHz	N/A	>= 16.3 dB	18.3 dB
3,6	RH	OK	32.4 dB @ 191.00MHz	N/A	>= 15.5 dB	16.9 dB
5,4	RH	OK	32.3 dB @ 186.50MHz	N/A	>= 15.7 dB	16.6 dB
1,2	RH	OK	37.1 dB @ 203.00MHz	N/A	>= 15.0 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0094  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:39:35  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	62.4m	63.9m	65.3m	62.0m	< 90.0m	OK
Ritardo di propag.	304.1ns	311.2ns	317.6ns	302.1ns	< 510.0ns	OK
Diff. t. ritardo	15.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.8 Ohm	99.1 Ohm	98.1 Ohm	101.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.2 Ohm	12.7 Ohm	12.8 Ohm	12.4 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.6pF/m	48.1pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	9.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.9 dB @ 244.00MHz	N/A	> 35.5 dB	5.4 dB
7,8-5,4	DH	OK	49.5 dB @ 231.00MHz	N/A	> 35.9 dB	13.6 dB
7,8-1,2	DH	OK	58.2 dB @ 248.50MHz	N/A	> 35.4 dB	22.8 dB
3,6-5,4	DH	OK	54.4 dB @ 133.50MHz	N/A	> 39.8 dB	14.6 dB
3,6-1,2	DH	OK	46.9 dB @ 242.00MHz	N/A	> 35.5 dB	11.4 dB
5,4-1,2	DH	OK	48.8 dB @ 248.50MHz	N/A	> 35.4 dB	13.4 dB
7,8-3,6	RH	OK	45.4 dB @ 248.00MHz	N/A	> 35.4 dB	10.0 dB
7,8-5,4	RH	OK	46.5 dB @ 240.00MHz	N/A	> 35.6 dB	10.9 dB
7,8-1,2	RH	OK	56.2 dB @ 240.50MHz	N/A	> 35.6 dB	20.6 dB
3,6-5,4	RH	OK	51.8 dB @ 247.00MHz	N/A	> 35.4 dB	16.4 dB
3,6-1,2	RH	OK	45.3 dB @ 229.00MHz	N/A	> 35.9 dB	9.4 dB
5,4-1,2	RH	OK	51.8 dB @ 249.00MHz	N/A	> 35.3 dB	16.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.2 dB @ 228.00MHz	N/A	> 10.4 dB	4.8 dB
3,6	DH	OK	15.4 dB @ 228.50MHz	N/A	> 10.4 dB	5.0 dB
5,4	DH	OK	16.9 dB @ 230.00MHz	N/A	> 10.4 dB	6.5 dB
1,2	DH	OK	18.6 dB @ 227.00MHz	N/A	> 10.4 dB	8.2 dB
7,8	RH	OK	15.2 dB @ 225.00MHz	N/A	> 10.5 dB	4.7 dB
3,6	RH	OK	17.6 dB @ 168.50MHz	N/A	> 11.7 dB	5.9 dB
5,4	RH	OK	18.0 dB @ 230.00MHz	N/A	> 10.4 dB	7.6 dB
1,2	RH	OK	16.8 dB @ 102.00MHz	N/A	> 13.9 dB	2.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.6 dB @ 249.00MHz	N/A	< 31.1 dB	11.5 dB
3,6	OK	20.3 dB @ 250.00MHz	N/A	< 31.2 dB	10.9 dB
5,4	OK	20.1 dB @ 245.00MHz	N/A	< 30.8 dB	10.7 dB
1,2	OK	18.9 dB @ 248.50MHz	N/A	< 31.0 dB	12.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	21.8 dB @ 244.50MHz	N/A	>= 4.8 dB	17.0 dB
3,6	DH	OK	21.4 dB @ 244.50MHz	N/A	>= 4.8 dB	16.6 dB
5,4	DH	OK	28.8 dB @ 248.50MHz	N/A	>= 4.4 dB	24.4 dB
1,2	DH	OK	28.5 dB @ 242.00MHz	N/A	>= 4.9 dB	23.6 dB
7,8	RH	OK	26.1 dB @ 247.00MHz	N/A	>= 4.5 dB	21.6 dB
3,6	RH	OK	25.5 dB @ 247.00MHz	N/A	>= 4.5 dB	21.0 dB
5,4	RH	OK	27.2 dB @ 240.00MHz	N/A	>= 5.2 dB	22.0 dB
1,2	RH	OK	27.1 dB @ 229.50MHz	N/A	>= 6.3 dB	20.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0094  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:39:35  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	37.9 dB @ 166.50MHz	N/A	> 19.7 dB	18.2 dB
7,8-5,4	DH	OK	38.7 dB @ 235.00MHz	N/A	> 16.7 dB	22.0 dB
7,8-1,2	DH	OK	39.4 dB @ 235.00MHz	N/A	> 16.7 dB	22.7 dB
3,6-7,8	DH	OK	36.7 dB @ 174.00MHz	N/A	> 19.3 dB	17.4 dB
3,6-5,4	DH	OK	34.6 dB @ 187.00MHz	N/A	> 18.7 dB	15.9 dB
3,6-1,2	DH	OK	41.1 dB @ 175.00MHz	N/A	> 19.3 dB	21.8 dB
5,4-7,8	DH	OK	39.0 dB @ 250.00MHz	N/A	> 16.2 dB	22.8 dB
5,4-3,6	DH	OK	33.7 dB @ 187.50MHz	N/A	> 18.7 dB	15.0 dB
5,4-1,2	DH	OK	37.9 dB @ 201.00MHz	N/A	> 18.1 dB	19.8 dB
1,2-7,8	DH	OK	39.2 dB @ 238.00MHz	N/A	> 16.6 dB	22.6 dB
1,2-3,6	DH	OK	40.5 dB @ 220.00MHz	N/A	> 17.3 dB	23.2 dB
1,2-5,4	DH	OK	36.2 dB @ 249.00MHz	N/A	> 16.2 dB	20.0 dB
7,8-3,6	RH	OK	38.3 dB @ 167.00MHz	N/A	> 19.7 dB	18.6 dB
7,8-5,4	RH	OK	39.4 dB @ 237.50MHz	N/A	> 16.7 dB	22.7 dB
7,8-1,2	RH	OK	38.8 dB @ 220.50MHz	N/A	> 17.3 dB	21.5 dB
3,6-7,8	RH	OK	36.0 dB @ 175.00MHz	N/A	> 19.3 dB	16.7 dB
3,6-5,4	RH	OK	34.4 dB @ 187.50MHz	N/A	> 18.7 dB	15.7 dB
3,6-1,2	RH	OK	39.9 dB @ 175.00MHz	N/A	> 19.3 dB	20.6 dB
5,4-7,8	RH	OK	38.3 dB @ 235.00MHz	N/A	> 16.7 dB	21.6 dB
5,4-3,6	RH	OK	33.7 dB @ 187.00MHz	N/A	> 18.7 dB	15.0 dB
5,4-1,2	RH	OK	36.6 dB @ 201.00MHz	N/A	> 18.1 dB	18.5 dB
1,2-7,8	RH	OK	39.8 dB @ 235.00MHz	N/A	> 16.7 dB	23.1 dB
1,2-3,6	RH	OK	42.0 dB @ 226.50MHz	N/A	> 17.1 dB	24.9 dB
1,2-5,4	RH	OK	37.4 dB @ 248.50MHz	N/A	> 16.3 dB	21.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.7 dB @ 244.00MHz	N/A	> 32.5 dB	8.2 dB
3,6	DH	OK	40.0 dB @ 244.00MHz	N/A	> 32.5 dB	7.5 dB
5,4	DH	OK	46.8 dB @ 242.50MHz	N/A	> 32.5 dB	14.3 dB
1,2	DH	OK	44.8 dB @ 242.00MHz	N/A	> 32.5 dB	12.3 dB
7,8	RH	OK	43.3 dB @ 240.00MHz	N/A	> 32.6 dB	10.7 dB
3,6	RH	OK	42.2 dB @ 247.00MHz	N/A	> 32.4 dB	9.8 dB
5,4	RH	OK	45.4 dB @ 240.00MHz	N/A	> 32.6 dB	12.8 dB
1,2	RH	OK	45.2 dB @ 229.00MHz	N/A	> 32.9 dB	12.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.6 dB @ 244.50MHz	N/A	>= 1.8 dB	19.8 dB
3,6	DH	OK	20.4 dB @ 242.00MHz	N/A	>= 1.9 dB	18.5 dB
5,4	DH	OK	27.2 dB @ 243.00MHz	N/A	>= 1.9 dB	25.3 dB
1,2	DH	OK	26.4 dB @ 242.00MHz	N/A	>= 1.9 dB	24.5 dB
7,8	RH	OK	24.4 dB @ 246.50MHz	N/A	>= 1.5 dB	22.9 dB
3,6	RH	OK	22.3 dB @ 247.00MHz	N/A	>= 1.5 dB	20.8 dB
5,4	RH	OK	26.1 dB @ 240.00MHz	N/A	>= 2.2 dB	23.9 dB
1,2	RH	OK	26.9 dB @ 246.50MHz	N/A	>= 1.5 dB	25.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.3 dB @ 174.00MHz	N/A	>= 16.3 dB	19.0 dB
3,6	DH	OK	32.6 dB @ 187.50MHz	N/A	>= 15.7 dB	16.9 dB
5,4	DH	OK	32.7 dB @ 201.00MHz	N/A	>= 15.1 dB	17.6 dB
1,2	DH	OK	35.5 dB @ 200.00MHz	N/A	>= 15.1 dB	20.4 dB
7,8	RH	OK	35.0 dB @ 250.00MHz	N/A	>= 13.2 dB	21.8 dB
3,6	RH	OK	31.9 dB @ 179.50MHz	N/A	>= 16.1 dB	15.8 dB
5,4	RH	OK	32.3 dB @ 201.00MHz	N/A	>= 15.1 dB	17.2 dB
1,2	RH	OK	35.9 dB @ 248.50MHz	N/A	>= 13.3 dB	22.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0095  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:41:36  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	53.0m	54.4m	55.5m	52.8m	< 90.0m	OK
Ritardo di propag.	260.4ns	266.9ns	272.3ns	259.8ns	< 510.0ns	OK
Diff. t. ritardo	12.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.9 Ohm	98.5 Ohm	98.3 Ohm	100.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.4 Ohm	11.4 Ohm	11.5 Ohm	10.9 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.9pF/m	48.0pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	8.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.2 dB @ 241.00MHz	N/A	> 35.6 dB	5.6 dB
7,8-5,4	DH	OK	50.5 dB @ 223.00MHz	N/A	> 36.1 dB	14.4 dB
7,8-1,2	DH	OK	54.4 dB @ 223.00MHz	N/A	> 36.1 dB	18.3 dB
3,6-5,4	DH	OK	46.6 dB @ 223.00MHz	N/A	> 36.1 dB	10.5 dB
3,6-1,2	DH	OK	46.2 dB @ 250.00MHz	N/A	> 35.3 dB	10.9 dB
5,4-1,2	DH	OK	49.5 dB @ 250.00MHz	N/A	> 35.3 dB	14.2 dB
7,8-3,6	RH	OK	44.8 dB @ 230.50MHz	N/A	> 35.9 dB	8.9 dB
7,8-5,4	RH	OK	46.0 dB @ 238.00MHz	N/A	> 35.7 dB	10.3 dB
7,8-1,2	RH	OK	56.9 dB @ 203.50MHz	N/A	> 36.8 dB	20.1 dB
3,6-5,4	RH	OK	53.0 dB @ 240.50MHz	N/A	> 35.6 dB	17.4 dB
3,6-1,2	RH	OK	46.3 dB @ 230.00MHz	N/A	> 35.9 dB	10.4 dB
5,4-1,2	RH	OK	48.9 dB @ 250.00MHz	N/A	> 35.3 dB	13.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 222.50MHz	N/A	> 10.5 dB	5.9 dB
3,6	DH	OK	15.6 dB @ 235.00MHz	N/A	> 10.3 dB	5.3 dB
5,4	DH	OK	16.5 dB @ 232.50MHz	N/A	> 10.3 dB	6.2 dB
1,2	DH	OK	16.8 dB @ 223.50MHz	N/A	> 10.5 dB	6.3 dB
7,8	RH	OK	15.6 dB @ 223.00MHz	N/A	> 10.5 dB	5.1 dB
3,6	RH	OK	16.5 dB @ 226.00MHz	N/A	> 10.4 dB	6.1 dB
5,4	RH	OK	19.9 dB @ 227.00MHz	N/A	> 10.4 dB	9.5 dB
1,2	RH	OK	16.7 dB @ 163.50MHz	N/A	> 11.9 dB	4.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	18.3 dB @ 250.00MHz	N/A	< 31.2 dB	12.9 dB
3,6	OK	17.9 dB @ 243.00MHz	N/A	< 30.6 dB	12.7 dB
5,4	OK	18.0 dB @ 247.00MHz	N/A	< 30.9 dB	12.9 dB
1,2	OK	16.8 dB @ 249.50MHz	N/A	< 31.1 dB	14.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	23.9 dB @ 241.50MHz	N/A	>= 5.1 dB	18.8 dB
3,6	DH	OK	23.7 dB @ 241.00MHz	N/A	>= 5.1 dB	18.6 dB
5,4	DH	OK	29.7 dB @ 223.00MHz	N/A	>= 6.9 dB	22.8 dB
1,2	DH	OK	29.5 dB @ 249.50MHz	N/A	>= 4.2 dB	25.3 dB
7,8	RH	OK	28.1 dB @ 230.00MHz	N/A	>= 6.2 dB	21.9 dB
3,6	RH	OK	27.2 dB @ 230.00MHz	N/A	>= 6.2 dB	21.0 dB
5,4	RH	OK	28.5 dB @ 237.50MHz	N/A	>= 5.5 dB	23.0 dB
1,2	RH	OK	30.4 dB @ 230.00MHz	N/A	>= 6.2 dB	24.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0095  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:41:36  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.8 dB @ 215.00MHz	N/A	> 17.5 dB	15.3 dB
7,8-5,4	DH	OK	41.2 dB @ 213.00MHz	N/A	> 17.6 dB	23.6 dB
7,8-1,2	DH	OK	43.1 dB @ 148.00MHz	N/A	> 20.7 dB	22.4 dB
3,6-7,8	DH	OK	32.4 dB @ 211.00MHz	N/A	> 17.7 dB	14.7 dB
3,6-5,4	DH	OK	34.4 dB @ 187.50MHz	N/A	> 18.7 dB	15.7 dB
3,6-1,2	DH	OK	43.7 dB @ 224.00MHz	N/A	> 17.2 dB	26.5 dB
5,4-7,8	DH	OK	40.4 dB @ 217.00MHz	N/A	> 17.4 dB	23.0 dB
5,4-3,6	DH	OK	34.2 dB @ 190.00MHz	N/A	> 18.6 dB	15.6 dB
5,4-1,2	DH	OK	37.2 dB @ 234.00MHz	N/A	> 16.8 dB	20.4 dB
1,2-7,8	DH	OK	42.8 dB @ 142.00MHz	N/A	> 21.1 dB	21.7 dB
1,2-3,6	DH	OK	41.3 dB @ 230.00MHz	N/A	> 16.9 dB	24.4 dB
1,2-5,4	DH	OK	35.4 dB @ 236.00MHz	N/A	> 16.7 dB	18.7 dB
7,8-3,6	RH	OK	33.3 dB @ 211.00MHz	N/A	> 17.7 dB	15.6 dB
7,8-5,4	RH	OK	41.1 dB @ 211.00MHz	N/A	> 17.7 dB	23.4 dB
7,8-1,2	RH	OK	42.8 dB @ 148.00MHz	N/A	> 20.7 dB	22.1 dB
3,6-7,8	RH	OK	31.9 dB @ 215.00MHz	N/A	> 17.5 dB	14.4 dB
3,6-5,4	RH	OK	34.5 dB @ 178.00MHz	N/A	> 19.2 dB	15.3 dB
3,6-1,2	RH	OK	42.8 dB @ 224.50MHz	N/A	> 17.1 dB	25.7 dB
5,4-7,8	RH	OK	40.0 dB @ 206.00MHz	N/A	> 17.9 dB	22.1 dB
5,4-3,6	RH	OK	34.5 dB @ 193.00MHz	N/A	> 18.5 dB	16.0 dB
5,4-1,2	RH	OK	36.5 dB @ 228.00MHz	N/A	> 17.0 dB	19.5 dB
1,2-7,8	RH	OK	43.1 dB @ 142.00MHz	N/A	> 21.1 dB	22.0 dB
1,2-3,6	RH	OK	42.5 dB @ 226.00MHz	N/A	> 17.1 dB	25.4 dB
1,2-5,4	RH	OK	36.0 dB @ 234.00MHz	N/A	> 16.8 dB	19.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.0 dB @ 241.00MHz	N/A	> 32.6 dB	8.4 dB
3,6	DH	OK	40.3 dB @ 240.50MHz	N/A	> 32.6 dB	7.7 dB
5,4	DH	OK	44.9 dB @ 223.00MHz	N/A	> 33.1 dB	11.8 dB
1,2	DH	OK	44.3 dB @ 250.00MHz	N/A	> 32.3 dB	12.0 dB
7,8	RH	OK	42.8 dB @ 229.50MHz	N/A	> 32.9 dB	9.9 dB
3,6	RH	OK	42.1 dB @ 230.00MHz	N/A	> 32.9 dB	9.2 dB
5,4	RH	OK	44.8 dB @ 238.00MHz	N/A	> 32.7 dB	12.1 dB
1,2	RH	OK	45.6 dB @ 248.50MHz	N/A	> 32.4 dB	13.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.7 dB @ 241.50MHz	N/A	>= 2.1 dB	21.6 dB
3,6	DH	OK	22.9 dB @ 240.00MHz	N/A	>= 2.2 dB	20.7 dB
5,4	DH	OK	28.0 dB @ 223.00MHz	N/A	>= 3.9 dB	24.1 dB
1,2	DH	OK	27.6 dB @ 249.50MHz	N/A	>= 1.2 dB	26.4 dB
7,8	RH	OK	26.0 dB @ 224.50MHz	N/A	>= 3.8 dB	22.2 dB
3,6	RH	OK	24.5 dB @ 230.00MHz	N/A	>= 3.2 dB	21.3 dB
5,4	RH	OK	27.3 dB @ 237.50MHz	N/A	>= 2.5 dB	24.8 dB
1,2	RH	OK	29.0 dB @ 248.00MHz	N/A	>= 1.4 dB	27.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.6 dB @ 211.00MHz	N/A	>= 14.7 dB	16.9 dB
3,6	DH	OK	30.5 dB @ 201.50MHz	N/A	>= 15.1 dB	15.4 dB
5,4	DH	OK	32.0 dB @ 226.00MHz	N/A	>= 14.1 dB	17.9 dB
1,2	DH	OK	36.4 dB @ 224.00MHz	N/A	>= 14.2 dB	22.2 dB
7,8	RH	OK	32.4 dB @ 211.00MHz	N/A	>= 14.7 dB	17.7 dB
3,6	RH	OK	29.8 dB @ 215.00MHz	N/A	>= 14.5 dB	15.3 dB
5,4	RH	OK	32.5 dB @ 206.00MHz	N/A	>= 14.9 dB	17.6 dB
1,2	RH	OK	35.4 dB @ 234.00MHz	N/A	>= 13.8 dB	21.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0096  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:42:38  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	53.0m	54.4m	55.8m	52.8m	< 90.0m	OK
Ritardo di propag.	260.4ns	266.9ns	273.5ns	259.4ns	< 510.0ns	OK
Diff. t. ritardo	14.1ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.8 Ohm	98.1 Ohm	95.9 Ohm	100.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.3 Ohm	11.4 Ohm	11.7 Ohm	10.8 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	48.1pF/m	49.2pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	7.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.7 dB @ 239.50MHz	N/A	> 35.6 dB	6.1 dB
7,8-5,4	DH	OK	48.6 dB @ 182.00MHz	N/A	> 37.6 dB	11.0 dB
7,8-1,2	DH	OK	54.1 dB @ 235.00MHz	N/A	> 35.8 dB	18.3 dB
3,6-5,4	DH	OK	52.3 dB @ 232.00MHz	N/A	> 35.8 dB	16.5 dB
3,6-1,2	DH	OK	44.9 dB @ 243.50MHz	N/A	> 35.5 dB	9.4 dB
5,4-1,2	DH	OK	47.5 dB @ 200.00MHz	N/A	> 36.9 dB	10.6 dB
7,8-3,6	RH	OK	43.8 dB @ 223.00MHz	N/A	> 36.1 dB	7.7 dB
7,8-5,4	RH	OK	48.1 dB @ 240.00MHz	N/A	> 35.6 dB	12.5 dB
7,8-1,2	RH	OK	54.7 dB @ 220.50MHz	N/A	> 36.2 dB	18.5 dB
3,6-5,4	RH	OK	52.1 dB @ 249.00MHz	N/A	> 35.3 dB	16.8 dB
3,6-1,2	RH	OK	44.3 dB @ 230.50MHz	N/A	> 35.9 dB	8.4 dB
5,4-1,2	RH	OK	49.2 dB @ 250.00MHz	N/A	> 35.3 dB	13.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.6 dB @ 219.00MHz	N/A	> 10.6 dB	6.0 dB
3,6	DH	OK	16.3 dB @ 235.50MHz	N/A	> 10.3 dB	6.0 dB
5,4	DH	OK	16.7 dB @ 233.00MHz	N/A	> 10.3 dB	6.4 dB
1,2	DH	OK	15.6 dB @ 221.00MHz	N/A	> 10.5 dB	5.1 dB
7,8	RH	OK	15.0 dB @ 218.50MHz	N/A	> 10.6 dB	4.4 dB
3,6	RH	OK	16.9 dB @ 162.00MHz	N/A	> 11.9 dB	5.0 dB
5,4	RH	OK	20.2 dB @ 221.00MHz	N/A	> 10.5 dB	9.7 dB
1,2	RH	OK	15.0 dB @ 226.00MHz	N/A	> 10.4 dB	4.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.4 dB @ 245.50MHz	N/A	< 30.8 dB	13.4 dB
3,6	OK	18.2 dB @ 237.00MHz	N/A	< 30.2 dB	12.0 dB
5,4	OK	18.5 dB @ 248.00MHz	N/A	< 31.0 dB	12.5 dB
1,2	OK	17.2 dB @ 248.50MHz	N/A	< 31.0 dB	13.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.5 dB @ 245.50MHz	N/A	>= 4.6 dB	19.9 dB
3,6	DH	OK	23.9 dB @ 237.00MHz	N/A	>= 5.5 dB	18.4 dB
5,4	DH	OK	29.7 dB @ 248.00MHz	N/A	>= 4.4 dB	25.3 dB
1,2	DH	OK	28.4 dB @ 243.50MHz	N/A	>= 4.8 dB	23.6 dB
7,8	RH	OK	27.5 dB @ 222.00MHz	N/A	>= 7.1 dB	20.4 dB
3,6	RH	OK	26.5 dB @ 230.50MHz	N/A	>= 6.2 dB	20.3 dB
5,4	RH	OK	30.3 dB @ 248.00MHz	N/A	>= 4.4 dB	25.9 dB
1,2	RH	OK	27.9 dB @ 230.50MHz	N/A	>= 6.2 dB	21.7 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0096  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:42:38  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.8 dB @ 223.00MHz	N/A	> 17.2 dB	18.6 dB
7,8-5,4	DH	OK	27.0 dB @ 223.00MHz	N/A	> 17.2 dB	9.8 dB
7,8-1,2	DH	OK	37.4 dB @ 223.00MHz	N/A	> 17.2 dB	20.2 dB
3,6-7,8	DH	OK	36.7 dB @ 170.50MHz	N/A	> 19.5 dB	17.2 dB
3,6-5,4	DH	OK	25.9 dB @ 223.00MHz	N/A	> 17.2 dB	8.7 dB
3,6-1,2	DH	OK	38.0 dB @ 223.00MHz	N/A	> 17.2 dB	20.8 dB
5,4-7,8	DH	OK	41.8 dB @ 223.00MHz	N/A	> 17.2 dB	24.6 dB
5,4-3,6	DH	OK	33.7 dB @ 205.00MHz	N/A	> 17.9 dB	15.8 dB
5,4-1,2	DH	OK	36.4 dB @ 223.00MHz	N/A	> 17.2 dB	19.2 dB
1,2-7,8	DH	OK	41.8 dB @ 223.00MHz	N/A	> 17.2 dB	24.6 dB
1,2-3,6	DH	OK	38.3 dB @ 223.00MHz	N/A	> 17.2 dB	21.1 dB
1,2-5,4	DH	OK	26.5 dB @ 223.00MHz	N/A	> 17.2 dB	9.3 dB
7,8-3,6	RH	OK	36.6 dB @ 223.00MHz	N/A	> 17.2 dB	19.4 dB
7,8-5,4	RH	OK	28.2 dB @ 223.00MHz	N/A	> 17.2 dB	11.0 dB
7,8-1,2	RH	OK	36.8 dB @ 223.00MHz	N/A	> 17.2 dB	19.6 dB
3,6-7,8	RH	OK	36.4 dB @ 174.00MHz	N/A	> 19.3 dB	17.1 dB
3,6-5,4	RH	OK	26.3 dB @ 223.00MHz	N/A	> 17.2 dB	9.1 dB
3,6-1,2	RH	OK	36.6 dB @ 223.00MHz	N/A	> 17.2 dB	19.4 dB
5,4-7,8	RH	OK	40.6 dB @ 223.00MHz	N/A	> 17.2 dB	23.4 dB
5,4-3,6	RH	OK	33.5 dB @ 210.50MHz	N/A	> 17.7 dB	15.8 dB
5,4-1,2	RH	OK	34.6 dB @ 223.00MHz	N/A	> 17.2 dB	17.4 dB
1,2-7,8	RH	OK	42.4 dB @ 223.00MHz	N/A	> 17.2 dB	25.2 dB
1,2-3,6	RH	OK	39.7 dB @ 223.00MHz	N/A	> 17.2 dB	22.5 dB
1,2-5,4	RH	OK	28.3 dB @ 223.00MHz	N/A	> 17.2 dB	11.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 245.50MHz	N/A	> 32.4 dB	8.8 dB
3,6	DH	OK	40.1 dB @ 245.50MHz	N/A	> 32.4 dB	7.7 dB
5,4	DH	OK	45.5 dB @ 250.00MHz	N/A	> 32.3 dB	13.2 dB
1,2	DH	OK	43.4 dB @ 245.50MHz	N/A	> 32.4 dB	11.0 dB
7,8	RH	OK	42.6 dB @ 223.00MHz	N/A	> 33.1 dB	9.5 dB
3,6	RH	OK	41.9 dB @ 222.00MHz	N/A	> 33.2 dB	8.7 dB
5,4	RH	OK	45.5 dB @ 250.00MHz	N/A	> 32.3 dB	13.2 dB
1,2	RH	OK	43.5 dB @ 249.50MHz	N/A	> 32.3 dB	11.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.8 dB @ 245.50MHz	N/A	>= 1.6 dB	22.2 dB
3,6	DH	OK	22.5 dB @ 243.50MHz	N/A	>= 1.8 dB	20.7 dB
5,4	DH	OK	27.1 dB @ 248.00MHz	N/A	>= 1.4 dB	25.7 dB
1,2	DH	OK	26.8 dB @ 243.00MHz	N/A	>= 1.9 dB	24.9 dB
7,8	RH	OK	26.4 dB @ 222.00MHz	N/A	>= 4.1 dB	22.3 dB
3,6	RH	OK	24.3 dB @ 230.50MHz	N/A	>= 3.2 dB	21.1 dB
5,4	RH	OK	27.4 dB @ 248.00MHz	N/A	>= 1.4 dB	26.0 dB
1,2	RH	OK	27.0 dB @ 249.50MHz	N/A	>= 1.2 dB	25.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.0 dB @ 223.00MHz	N/A	>= 14.2 dB	20.8 dB
3,6	DH	OK	32.1 dB @ 205.00MHz	N/A	>= 14.9 dB	17.2 dB
5,4	DH	OK	21.6 dB @ 223.00MHz	N/A	>= 14.2 dB	7.4 dB
1,2	DH	OK	32.4 dB @ 223.00MHz	N/A	>= 14.2 dB	18.2 dB
7,8	RH	OK	27.1 dB @ 223.00MHz	N/A	>= 14.2 dB	12.9 dB
3,6	RH	OK	25.5 dB @ 223.00MHz	N/A	>= 14.2 dB	11.3 dB
5,4	RH	OK	32.7 dB @ 214.50MHz	N/A	>= 14.5 dB	18.2 dB
1,2	RH	OK	27.8 dB @ 223.00MHz	N/A	>= 14.2 dB	13.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

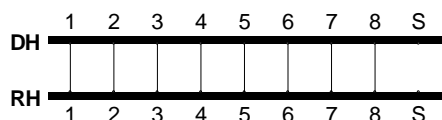
ID cavo 1: 0097  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:48:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	63.0m	64.5m	66.0m	62.7m	< 90.0m	OK
Ritardo di propag.	306.8ns	314.0ns	320.7ns	305.5ns	< 510.0ns	OK
Diff. t. ritardo	15.2ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.2 Ohm	99.5 Ohm	98.2 Ohm	100.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.9 Ohm	12.4 Ohm	13.3 Ohm	11.9 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.5pF/m	48.0pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	9.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.6 dB @ 187.00MHz	N/A	> 37.4 dB	5.2 dB
7,8-5,4	DH	OK	53.9 dB @ 192.50MHz	N/A	> 37.2 dB	16.7 dB
7,8-1,2	DH	OK	53.1 dB @ 242.00MHz	N/A	> 35.5 dB	17.6 dB
3,6-5,4	DH	OK	52.8 dB @ 248.50MHz	N/A	> 35.4 dB	17.4 dB
3,6-1,2	DH	OK	47.9 dB @ 240.00MHz	N/A	> 35.6 dB	12.3 dB
5,4-1,2	DH	OK	47.2 dB @ 249.00MHz	N/A	> 35.3 dB	11.9 dB
7,8-3,6	RH	OK	47.5 dB @ 229.50MHz	N/A	> 35.9 dB	11.6 dB
7,8-5,4	RH	OK	45.4 dB @ 235.50MHz	N/A	> 35.7 dB	9.7 dB
7,8-1,2	RH	OK	54.6 dB @ 236.00MHz	N/A	> 35.7 dB	18.9 dB
3,6-5,4	RH	OK	50.0 dB @ 246.00MHz	N/A	> 35.4 dB	14.6 dB
3,6-1,2	RH	OK	47.8 dB @ 232.00MHz	N/A	> 35.8 dB	12.0 dB
5,4-1,2	RH	OK	51.2 dB @ 208.00MHz	N/A	> 36.6 dB	14.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.1 dB @ 226.00MHz	N/A	> 10.4 dB	4.7 dB
3,6	DH	OK	16.3 dB @ 226.00MHz	N/A	> 10.4 dB	5.9 dB
5,4	DH	OK	17.7 dB @ 234.00MHz	N/A	> 10.3 dB	7.4 dB
1,2	DH	OK	16.5 dB @ 174.50MHz	N/A	> 11.6 dB	4.9 dB
7,8	RH	OK	15.3 dB @ 220.50MHz	N/A	> 10.6 dB	4.7 dB
3,6	RH	OK	16.0 dB @ 224.50MHz	N/A	> 10.5 dB	5.5 dB
5,4	RH	OK	20.2 dB @ 215.50MHz	N/A	> 10.7 dB	9.5 dB
1,2	RH	OK	15.5 dB @ 218.00MHz	N/A	> 10.6 dB	4.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	20.8 dB @ 247.50MHz	N/A	< 31.0 dB	10.2 dB
3,6	OK	21.0 dB @ 246.00MHz	N/A	< 30.9 dB	9.9 dB
5,4	OK	20.7 dB @ 249.00MHz	N/A	< 31.1 dB	10.4 dB
1,2	OK	20.0 dB @ 249.50MHz	N/A	< 31.1 dB	11.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.6 dB @ 250.00MHz	N/A	>= 4.1 dB	18.5 dB
3,6	DH	OK	22.1 dB @ 246.00MHz	N/A	>= 4.5 dB	17.6 dB
5,4	DH	OK	26.5 dB @ 249.00MHz	N/A	>= 4.2 dB	22.3 dB
1,2	DH	OK	27.4 dB @ 249.50MHz	N/A	>= 4.2 dB	23.2 dB
7,8	RH	OK	25.8 dB @ 235.50MHz	N/A	>= 5.6 dB	20.2 dB
3,6	RH	OK	27.6 dB @ 231.50MHz	N/A	>= 6.1 dB	21.5 dB
5,4	RH	OK	25.6 dB @ 234.50MHz	N/A	>= 5.8 dB	19.8 dB
1,2	RH	OK	28.9 dB @ 244.00MHz	N/A	>= 4.8 dB	24.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0097  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:48:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.8 dB @ 165.50MHz	N/A	> 19.8 dB	15.0 dB
7,8-5,4	DH	OK	43.1 dB @ 239.00MHz	N/A	> 16.6 dB	26.5 dB
7,8-1,2	DH	OK	41.6 dB @ 249.50MHz	N/A	> 16.2 dB	25.4 dB
3,6-7,8	DH	OK	35.3 dB @ 177.00MHz	N/A	> 19.2 dB	16.1 dB
3,6-5,4	DH	OK	34.8 dB @ 187.50MHz	N/A	> 18.7 dB	16.1 dB
3,6-1,2	DH	OK	40.8 dB @ 186.50MHz	N/A	> 18.7 dB	22.1 dB
5,4-7,8	DH	OK	42.3 dB @ 247.50MHz	N/A	> 16.3 dB	26.0 dB
5,4-3,6	DH	OK	34.2 dB @ 169.50MHz	N/A	> 19.6 dB	14.6 dB
5,4-1,2	DH	OK	40.6 dB @ 199.50MHz	N/A	> 18.2 dB	22.4 dB
1,2-7,8	DH	OK	40.5 dB @ 242.50MHz	N/A	> 16.5 dB	24.0 dB
1,2-3,6	DH	OK	42.6 dB @ 250.00MHz	N/A	> 16.2 dB	26.4 dB
1,2-5,4	DH	OK	38.2 dB @ 203.00MHz	N/A	> 18.0 dB	20.2 dB
7,8-3,6	RH	OK	35.0 dB @ 165.50MHz	N/A	> 19.8 dB	15.2 dB
7,8-5,4	RH	OK	43.6 dB @ 213.00MHz	N/A	> 17.6 dB	26.0 dB
7,8-1,2	RH	OK	40.8 dB @ 247.50MHz	N/A	> 16.3 dB	24.5 dB
3,6-7,8	RH	OK	34.9 dB @ 174.00MHz	N/A	> 19.3 dB	15.6 dB
3,6-5,4	RH	OK	34.7 dB @ 160.00MHz	N/A	> 20.1 dB	14.6 dB
3,6-1,2	RH	OK	39.8 dB @ 186.50MHz	N/A	> 18.7 dB	21.1 dB
5,4-7,8	RH	OK	42.5 dB @ 247.00MHz	N/A	> 16.3 dB	26.2 dB
5,4-3,6	RH	OK	34.0 dB @ 169.50MHz	N/A	> 19.6 dB	14.4 dB
5,4-1,2	RH	OK	39.7 dB @ 203.00MHz	N/A	> 18.0 dB	21.7 dB
1,2-7,8	RH	OK	41.0 dB @ 242.50MHz	N/A	> 16.5 dB	24.5 dB
1,2-3,6	RH	OK	43.1 dB @ 249.50MHz	N/A	> 16.2 dB	26.9 dB
1,2-5,4	RH	OK	39.6 dB @ 199.50MHz	N/A	> 18.2 dB	21.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.2 dB @ 244.50MHz	N/A	> 32.5 dB	9.7 dB
3,6	DH	OK	41.6 dB @ 243.50MHz	N/A	> 32.5 dB	9.1 dB
5,4	DH	OK	45.8 dB @ 249.00MHz	N/A	> 32.3 dB	13.5 dB
1,2	DH	OK	45.2 dB @ 249.00MHz	N/A	> 32.3 dB	12.9 dB
7,8	RH	OK	43.5 dB @ 236.00MHz	N/A	> 32.7 dB	10.8 dB
3,6	RH	OK	44.8 dB @ 233.50MHz	N/A	> 32.8 dB	12.0 dB
5,4	RH	OK	44.2 dB @ 236.50MHz	N/A	> 32.7 dB	11.5 dB
1,2	RH	OK	47.0 dB @ 244.00MHz	N/A	> 32.5 dB	14.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	22.1 dB @ 250.00MHz	N/A	>= 1.1 dB	21.0 dB
3,6	DH	OK	21.1 dB @ 243.50MHz	N/A	>= 1.8 dB	19.3 dB
5,4	DH	OK	25.1 dB @ 249.00MHz	N/A	>= 1.2 dB	23.9 dB
1,2	DH	OK	25.4 dB @ 249.50MHz	N/A	>= 1.2 dB	24.2 dB
7,8	RH	OK	24.0 dB @ 235.00MHz	N/A	>= 2.8 dB	21.2 dB
3,6	RH	OK	24.5 dB @ 230.50MHz	N/A	>= 3.2 dB	21.3 dB
5,4	RH	OK	24.2 dB @ 247.00MHz	N/A	>= 1.5 dB	22.7 dB
1,2	RH	OK	27.5 dB @ 244.00MHz	N/A	>= 1.8 dB	25.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.3 dB @ 247.50MHz	N/A	>= 13.3 dB	21.0 dB
3,6	DH	OK	31.4 dB @ 164.50MHz	N/A	>= 16.8 dB	14.6 dB
5,4	DH	OK	33.1 dB @ 203.00MHz	N/A	>= 15.0 dB	18.1 dB
1,2	DH	OK	37.1 dB @ 249.50MHz	N/A	>= 13.2 dB	23.9 dB
7,8	RH	OK	34.0 dB @ 250.00MHz	N/A	>= 13.2 dB	20.8 dB
3,6	RH	OK	31.4 dB @ 183.50MHz	N/A	>= 15.9 dB	15.5 dB
5,4	RH	OK	33.1 dB @ 203.00MHz	N/A	>= 15.0 dB	18.1 dB
1,2	RH	OK	37.1 dB @ 249.50MHz	N/A	>= 13.2 dB	23.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0098  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:49:38  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	62.7m	64.3m	65.4m	62.4m	< 90.0m	OK
Ritardo di propag.	305.6ns	312.9ns	318.1ns	304.1ns	< 510.0ns	OK
Diff. t. ritardo	14.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.2 Ohm	99.6 Ohm	98.8 Ohm	100.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.3 Ohm	13.7 Ohm	13.8 Ohm	12.4 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.4pF/m	47.8pF/m	47.0pF/m	< 66.0pF/m	OK
Riserva	9.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.0 dB @ 242.50MHz	N/A	> 35.5 dB	6.5 dB
7,8-5,4	DH	OK	50.6 dB @ 233.00MHz	N/A	> 35.8 dB	14.8 dB
7,8-1,2	DH	OK	58.5 dB @ 187.00MHz	N/A	> 37.4 dB	21.1 dB
3,6-5,4	DH	OK	54.6 dB @ 172.50MHz	N/A	> 38.0 dB	16.6 dB
3,6-1,2	DH	OK	44.8 dB @ 237.50MHz	N/A	> 35.7 dB	9.1 dB
5,4-1,2	DH	OK	50.4 dB @ 247.00MHz	N/A	> 35.4 dB	15.0 dB
7,8-3,6	RH	OK	45.0 dB @ 230.50MHz	N/A	> 35.9 dB	9.1 dB
7,8-5,4	RH	OK	46.3 dB @ 239.50MHz	N/A	> 35.6 dB	10.7 dB
7,8-1,2	RH	OK	56.6 dB @ 205.00MHz	N/A	> 36.7 dB	19.9 dB
3,6-5,4	RH	OK	52.0 dB @ 232.00MHz	N/A	> 35.8 dB	16.2 dB
3,6-1,2	RH	OK	46.6 dB @ 247.50MHz	N/A	> 35.4 dB	11.2 dB
5,4-1,2	RH	OK	52.1 dB @ 149.50MHz	N/A	> 39.0 dB	13.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 228.00MHz	N/A	> 10.4 dB	6.0 dB
3,6	DH	OK	14.4 dB @ 227.00MHz	N/A	> 10.4 dB	4.0 dB
5,4	DH	OK	17.8 dB @ 227.50MHz	N/A	> 10.4 dB	7.4 dB
1,2	DH	OK	14.5 dB @ 223.00MHz	N/A	> 10.5 dB	4.0 dB
7,8	RH	OK	16.0 dB @ 231.00MHz	N/A	> 10.4 dB	5.6 dB
3,6	RH	OK	16.6 dB @ 225.00MHz	N/A	> 10.5 dB	6.1 dB
5,4	RH	OK	19.0 dB @ 229.00MHz	N/A	> 10.4 dB	8.6 dB
1,2	RH	OK	16.3 dB @ 213.00MHz	N/A	> 10.7 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	20.3 dB @ 245.00MHz	N/A	< 30.8 dB	10.5 dB
3,6	OK	20.7 dB @ 247.00MHz	N/A	< 30.9 dB	10.2 dB
5,4	OK	20.4 dB @ 247.50MHz	N/A	< 31.0 dB	10.6 dB
1,2	OK	19.8 dB @ 250.00MHz	N/A	< 31.2 dB	11.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.4 dB @ 242.50MHz	N/A	>= 4.9 dB	17.5 dB
3,6	DH	OK	21.6 dB @ 242.50MHz	N/A	>= 4.9 dB	16.7 dB
5,4	DH	OK	30.2 dB @ 247.50MHz	N/A	>= 4.4 dB	25.8 dB
1,2	DH	OK	25.6 dB @ 237.00MHz	N/A	>= 5.5 dB	20.1 dB
7,8	RH	OK	25.8 dB @ 230.50MHz	N/A	>= 6.2 dB	19.6 dB
3,6	RH	OK	25.2 dB @ 224.00MHz	N/A	>= 6.9 dB	18.3 dB
5,4	RH	OK	26.7 dB @ 239.50MHz	N/A	>= 5.2 dB	21.5 dB
1,2	RH	OK	27.1 dB @ 247.50MHz	N/A	>= 4.4 dB	22.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0098  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:49:38  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.6 dB @ 174.00MHz	N/A	> 19.3 dB	14.3 dB
7,8-5,4	DH	OK	40.2 dB @ 179.00MHz	N/A	> 19.1 dB	21.1 dB
7,8-1,2	DH	OK	42.4 dB @ 241.00MHz	N/A	> 16.5 dB	25.9 dB
3,6-7,8	DH	OK	34.4 dB @ 178.50MHz	N/A	> 19.1 dB	15.3 dB
3,6-5,4	DH	OK	34.4 dB @ 230.00MHz	N/A	> 16.9 dB	17.5 dB
3,6-1,2	DH	OK	40.3 dB @ 250.00MHz	N/A	> 16.2 dB	24.1 dB
5,4-7,8	DH	OK	40.4 dB @ 177.00MHz	N/A	> 19.2 dB	21.2 dB
5,4-3,6	DH	OK	33.4 dB @ 231.50MHz	N/A	> 16.9 dB	16.5 dB
5,4-1,2	DH	OK	36.9 dB @ 250.00MHz	N/A	> 16.2 dB	20.7 dB
1,2-7,8	DH	OK	41.6 dB @ 213.50MHz	N/A	> 17.6 dB	24.0 dB
1,2-3,6	DH	OK	40.4 dB @ 248.50MHz	N/A	> 16.3 dB	24.1 dB
1,2-5,4	DH	OK	37.1 dB @ 250.00MHz	N/A	> 16.2 dB	20.9 dB
7,8-3,6	RH	OK	34.3 dB @ 167.00MHz	N/A	> 19.7 dB	14.6 dB
7,8-5,4	RH	OK	40.2 dB @ 177.00MHz	N/A	> 19.2 dB	21.0 dB
7,8-1,2	RH	OK	42.3 dB @ 241.00MHz	N/A	> 16.5 dB	25.8 dB
3,6-7,8	RH	OK	33.7 dB @ 175.00MHz	N/A	> 19.3 dB	14.4 dB
3,6-5,4	RH	OK	34.2 dB @ 201.00MHz	N/A	> 18.1 dB	16.1 dB
3,6-1,2	RH	OK	40.0 dB @ 250.00MHz	N/A	> 16.2 dB	23.8 dB
5,4-7,8	RH	OK	40.3 dB @ 183.50MHz	N/A	> 18.9 dB	21.4 dB
5,4-3,6	RH	OK	33.8 dB @ 230.00MHz	N/A	> 16.9 dB	16.9 dB
5,4-1,2	RH	OK	36.7 dB @ 250.00MHz	N/A	> 16.2 dB	20.5 dB
1,2-7,8	RH	OK	41.5 dB @ 220.50MHz	N/A	> 17.3 dB	24.2 dB
1,2-3,6	RH	OK	40.8 dB @ 250.00MHz	N/A	> 16.2 dB	24.6 dB
1,2-5,4	RH	OK	37.3 dB @ 250.00MHz	N/A	> 16.2 dB	21.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.5 dB @ 242.50MHz	N/A	> 32.5 dB	9.0 dB
3,6	DH	OK	41.1 dB @ 234.50MHz	N/A	> 32.8 dB	8.3 dB
5,4	DH	OK	47.7 dB @ 241.50MHz	N/A	> 32.6 dB	15.1 dB
1,2	DH	OK	43.8 dB @ 246.00MHz	N/A	> 32.4 dB	11.4 dB
7,8	RH	OK	43.4 dB @ 226.00MHz	N/A	> 33.0 dB	10.4 dB
3,6	RH	OK	42.5 dB @ 230.50MHz	N/A	> 32.9 dB	9.6 dB
5,4	RH	OK	45.2 dB @ 239.00MHz	N/A	> 32.6 dB	12.6 dB
1,2	RH	OK	46.1 dB @ 247.50MHz	N/A	> 32.4 dB	13.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.9 dB @ 242.50MHz	N/A	>= 1.9 dB	20.0 dB
3,6	DH	OK	20.8 dB @ 234.50MHz	N/A	>= 2.8 dB	18.0 dB
5,4	DH	OK	27.7 dB @ 241.50MHz	N/A	>= 2.1 dB	25.6 dB
1,2	DH	OK	24.5 dB @ 246.50MHz	N/A	>= 1.5 dB	23.0 dB
7,8	RH	OK	24.2 dB @ 226.00MHz	N/A	>= 3.6 dB	20.6 dB
3,6	RH	OK	22.9 dB @ 230.50MHz	N/A	>= 3.2 dB	19.7 dB
5,4	RH	OK	25.7 dB @ 238.00MHz	N/A	>= 2.4 dB	23.3 dB
1,2	RH	OK	26.6 dB @ 247.50MHz	N/A	>= 1.4 dB	25.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.1 dB @ 177.00MHz	N/A	>= 16.2 dB	16.9 dB
3,6	DH	OK	31.2 dB @ 193.00MHz	N/A	>= 15.5 dB	15.7 dB
5,4	DH	OK	32.6 dB @ 196.50MHz	N/A	>= 15.3 dB	17.3 dB
1,2	DH	OK	34.7 dB @ 250.00MHz	N/A	>= 13.2 dB	21.5 dB
7,8	RH	OK	33.1 dB @ 177.00MHz	N/A	>= 16.2 dB	16.9 dB
3,6	RH	OK	31.5 dB @ 183.50MHz	N/A	>= 15.9 dB	15.6 dB
5,4	RH	OK	32.2 dB @ 195.50MHz	N/A	>= 15.3 dB	16.9 dB
1,2	RH	OK	34.7 dB @ 250.00MHz	N/A	>= 13.2 dB	21.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

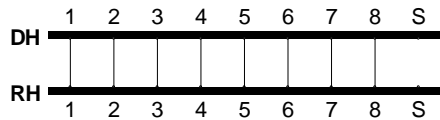
**OK**

ID cavo 1: 0099  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:52:00  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	54.1m	55.5m	56.7m	53.9m	< 90.0m	OK
Ritardo di propag.	265.5ns	271.9ns	277.8ns	264.7ns	< 510.0ns	OK
Diff. t. ritardo	13.1ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.8 Ohm	98.8 Ohm	98.0 Ohm	100.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.8 Ohm	11.4 Ohm	12.4 Ohm	11.6 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	47.7pF/m	48.2pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	8.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 241.00MHz	N/A	> 35.6 dB	5.9 dB
7,8-5,4	DH	OK	51.7 dB @ 223.00MHz	N/A	> 36.1 dB	15.6 dB
7,8-1,2	DH	OK	60.7 dB @ 250.00MHz	N/A	> 35.3 dB	25.4 dB
3,6-5,4	DH	OK	56.2 dB @ 125.00MHz	N/A	> 40.2 dB	16.0 dB
3,6-1,2	DH	OK	47.1 dB @ 234.00MHz	N/A	> 35.8 dB	11.3 dB
5,4-1,2	DH	OK	49.0 dB @ 249.00MHz	N/A	> 35.3 dB	13.7 dB
7,8-3,6	RH	OK	45.7 dB @ 245.00MHz	N/A	> 35.5 dB	10.2 dB
7,8-5,4	RH	OK	46.3 dB @ 229.50MHz	N/A	> 35.9 dB	10.4 dB
7,8-1,2	RH	OK	54.6 dB @ 237.00MHz	N/A	> 35.7 dB	18.9 dB
3,6-5,4	RH	OK	51.3 dB @ 241.00MHz	N/A	> 35.6 dB	15.7 dB
3,6-1,2	RH	OK	48.1 dB @ 234.00MHz	N/A	> 35.8 dB	12.3 dB
5,4-1,2	RH	OK	46.1 dB @ 249.00MHz	N/A	> 35.3 dB	10.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 220.50MHz	N/A	> 10.6 dB	5.5 dB
3,6	DH	OK	15.6 dB @ 229.00MHz	N/A	> 10.4 dB	5.2 dB
5,4	DH	OK	17.0 dB @ 228.00MHz	N/A	> 10.4 dB	6.6 dB
1,2	DH	OK	18.0 dB @ 222.50MHz	N/A	> 10.5 dB	7.5 dB
7,8	RH	OK	14.4 dB @ 216.50MHz	N/A	> 10.6 dB	3.8 dB
3,6	RH	OK	16.3 dB @ 225.00MHz	N/A	> 10.5 dB	5.8 dB
5,4	RH	OK	18.1 dB @ 233.50MHz	N/A	> 10.3 dB	7.8 dB
1,2	RH	OK	16.1 dB @ 222.00MHz	N/A	> 10.5 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.6 dB @ 238.00MHz	N/A	< 30.3 dB	12.7 dB
3,6	OK	18.2 dB @ 248.50MHz	N/A	< 31.0 dB	12.8 dB
5,4	OK	18.2 dB @ 244.00MHz	N/A	< 30.7 dB	12.5 dB
1,2	OK	17.4 dB @ 247.00MHz	N/A	< 30.9 dB	13.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.4 dB @ 241.00MHz	N/A	>= 5.1 dB	19.3 dB
3,6	DH	OK	24.0 dB @ 241.50MHz	N/A	>= 5.1 dB	18.9 dB
5,4	DH	OK	30.9 dB @ 249.00MHz	N/A	>= 4.2 dB	26.7 dB
1,2	DH	OK	30.4 dB @ 240.50MHz	N/A	>= 5.2 dB	25.2 dB
7,8	RH	OK	28.6 dB @ 245.00MHz	N/A	>= 4.7 dB	23.9 dB
3,6	RH	OK	27.8 dB @ 245.00MHz	N/A	>= 4.7 dB	23.1 dB
5,4	RH	OK	28.0 dB @ 249.00MHz	N/A	>= 4.2 dB	23.8 dB
1,2	RH	OK	29.0 dB @ 249.50MHz	N/A	>= 4.2 dB	24.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0099  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:52:00  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.5 dB @ 249.50MHz	N/A	> 16.2 dB	20.3 dB
7,8-5,4	DH	OK	42.0 dB @ 179.00MHz	N/A	> 19.1 dB	22.9 dB
7,8-1,2	DH	OK	44.0 dB @ 239.50MHz	N/A	> 16.6 dB	27.4 dB
3,6-7,8	DH	OK	37.9 dB @ 250.00MHz	N/A	> 16.2 dB	21.7 dB
3,6-5,4	DH	OK	31.2 dB @ 222.00MHz	N/A	> 17.2 dB	14.0 dB
3,6-1,2	DH	OK	41.0 dB @ 239.50MHz	N/A	> 16.6 dB	24.4 dB
5,4-7,8	DH	OK	41.7 dB @ 250.00MHz	N/A	> 16.2 dB	25.5 dB
5,4-3,6	DH	OK	31.2 dB @ 221.00MHz	N/A	> 17.3 dB	13.9 dB
5,4-1,2	DH	OK	37.3 dB @ 226.00MHz	N/A	> 17.1 dB	20.2 dB
1,2-7,8	DH	OK	41.2 dB @ 250.00MHz	N/A	> 16.2 dB	25.0 dB
1,2-3,6	DH	OK	41.0 dB @ 221.00MHz	N/A	> 17.3 dB	23.7 dB
1,2-5,4	DH	OK	35.2 dB @ 237.50MHz	N/A	> 16.7 dB	18.5 dB
7,8-3,6	RH	OK	37.1 dB @ 250.00MHz	N/A	> 16.2 dB	20.9 dB
7,8-5,4	RH	OK	42.4 dB @ 179.00MHz	N/A	> 19.1 dB	23.3 dB
7,8-1,2	RH	OK	43.5 dB @ 238.00MHz	N/A	> 16.6 dB	26.9 dB
3,6-7,8	RH	OK	37.3 dB @ 249.50MHz	N/A	> 16.2 dB	21.1 dB
3,6-5,4	RH	OK	30.8 dB @ 221.00MHz	N/A	> 17.3 dB	13.5 dB
3,6-1,2	RH	OK	39.9 dB @ 239.00MHz	N/A	> 16.6 dB	23.3 dB
5,4-7,8	RH	OK	41.4 dB @ 249.50MHz	N/A	> 16.2 dB	25.2 dB
5,4-3,6	RH	OK	31.6 dB @ 222.00MHz	N/A	> 17.2 dB	14.4 dB
5,4-1,2	RH	OK	36.8 dB @ 227.00MHz	N/A	> 17.0 dB	19.8 dB
1,2-7,8	RH	OK	41.6 dB @ 250.00MHz	N/A	> 16.2 dB	25.4 dB
1,2-3,6	RH	OK	42.4 dB @ 224.50MHz	N/A	> 17.1 dB	25.3 dB
1,2-5,4	RH	OK	36.3 dB @ 226.00MHz	N/A	> 17.1 dB	19.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 241.00MHz	N/A	> 32.6 dB	8.6 dB
3,6	DH	OK	40.4 dB @ 241.00MHz	N/A	> 32.6 dB	7.8 dB
5,4	DH	OK	47.7 dB @ 210.50MHz	N/A	> 33.5 dB	14.2 dB
1,2	DH	OK	45.6 dB @ 249.50MHz	N/A	> 32.3 dB	13.3 dB
7,8	RH	OK	43.6 dB @ 245.50MHz	N/A	> 32.4 dB	11.2 dB
3,6	RH	OK	43.8 dB @ 245.00MHz	N/A	> 32.5 dB	11.3 dB
5,4	RH	OK	43.5 dB @ 238.00MHz	N/A	> 32.7 dB	10.8 dB
1,2	RH	OK	43.9 dB @ 249.00MHz	N/A	> 32.3 dB	11.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.1 dB @ 241.00MHz	N/A	>= 2.1 dB	22.0 dB
3,6	DH	OK	22.8 dB @ 241.50MHz	N/A	>= 2.1 dB	20.7 dB
5,4	DH	OK	30.5 dB @ 236.50MHz	N/A	>= 2.5 dB	28.0 dB
1,2	DH	OK	28.4 dB @ 249.50MHz	N/A	>= 1.2 dB	27.2 dB
7,8	RH	OK	26.4 dB @ 245.50MHz	N/A	>= 1.6 dB	24.8 dB
3,6	RH	OK	25.9 dB @ 245.00MHz	N/A	>= 1.7 dB	24.2 dB
5,4	RH	OK	25.3 dB @ 237.50MHz	N/A	>= 2.5 dB	22.8 dB
1,2	RH	OK	26.9 dB @ 248.50MHz	N/A	>= 1.4 dB	25.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.1 dB @ 250.00MHz	N/A	>= 13.2 dB	21.9 dB
3,6	DH	OK	30.7 dB @ 221.00MHz	N/A	>= 14.3 dB	16.4 dB
5,4	DH	OK	29.9 dB @ 226.00MHz	N/A	>= 14.1 dB	15.8 dB
1,2	DH	OK	35.4 dB @ 226.00MHz	N/A	>= 14.1 dB	21.3 dB
7,8	RH	OK	35.6 dB @ 250.00MHz	N/A	>= 13.2 dB	22.4 dB
3,6	RH	OK	30.3 dB @ 230.00MHz	N/A	>= 13.9 dB	16.4 dB
5,4	RH	OK	30.4 dB @ 222.00MHz	N/A	>= 14.2 dB	16.2 dB
1,2	RH	OK	34.7 dB @ 226.00MHz	N/A	>= 14.1 dB	20.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0100  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:54:16  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	54.0m	55.3m	56.5m	53.7m	< 90.0m	OK
Ritardo di propag.	265.0ns	271.0ns	276.9ns	263.7ns	< 510.0ns	OK
Diff. t. ritardo	13.2ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.5 Ohm	98.9 Ohm	97.7 Ohm	100.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.7 Ohm	11.6 Ohm	13.0 Ohm	10.9 Ohm	< 20.0 Ohm	OK
Capacità	47.9pF/m	47.7pF/m	48.4pF/m	47.0pF/m	< 66.0pF/m	OK
Riserva	8.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.2 dB @ 249.50MHz	N/A	> 35.3 dB	6.9 dB
7,8-5,4	DH	OK	50.4 dB @ 226.00MHz	N/A	> 36.0 dB	14.4 dB
7,8-1,2	DH	OK	59.1 dB @ 195.50MHz	N/A	> 37.1 dB	22.0 dB
3,6-5,4	DH	OK	52.9 dB @ 123.50MHz	N/A	> 40.3 dB	12.6 dB
3,6-1,2	DH	OK	45.9 dB @ 238.50MHz	N/A	> 35.7 dB	10.2 dB
5,4-1,2	DH	OK	49.8 dB @ 210.50MHz	N/A	> 36.5 dB	13.3 dB
7,8-3,6	RH	OK	46.3 dB @ 234.00MHz	N/A	> 35.8 dB	10.5 dB
7,8-5,4	RH	OK	47.1 dB @ 238.00MHz	N/A	> 35.7 dB	11.4 dB
7,8-1,2	RH	OK	54.6 dB @ 250.00MHz	N/A	> 35.3 dB	19.3 dB
3,6-5,4	RH	OK	53.4 dB @ 241.00MHz	N/A	> 35.6 dB	17.8 dB
3,6-1,2	RH	OK	50.1 dB @ 247.50MHz	N/A	> 35.4 dB	14.7 dB
5,4-1,2	RH	OK	50.4 dB @ 245.00MHz	N/A	> 35.5 dB	14.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.0 dB @ 216.50MHz	N/A	> 10.6 dB	6.4 dB
3,6	DH	OK	16.6 dB @ 226.00MHz	N/A	> 10.4 dB	6.2 dB
5,4	DH	OK	17.7 dB @ 229.00MHz	N/A	> 10.4 dB	7.3 dB
1,2	DH	OK	15.7 dB @ 215.50MHz	N/A	> 10.7 dB	5.0 dB
7,8	RH	OK	16.0 dB @ 230.50MHz	N/A	> 10.4 dB	5.6 dB
3,6	RH	OK	17.2 dB @ 229.50MHz	N/A	> 10.4 dB	6.8 dB
5,4	RH	OK	18.9 dB @ 230.50MHz	N/A	> 10.4 dB	8.5 dB
1,2	RH	OK	16.5 dB @ 215.50MHz	N/A	> 10.7 dB	5.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.8 dB @ 248.50MHz	N/A	< 31.0 dB	13.2 dB
3,6	OK	18.3 dB @ 242.00MHz	N/A	< 30.6 dB	12.3 dB
5,4	OK	18.1 dB @ 245.00MHz	N/A	< 30.8 dB	12.7 dB
1,2	OK	17.3 dB @ 250.00MHz	N/A	< 31.2 dB	13.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.4 dB @ 248.50MHz	N/A	>= 4.4 dB	20.0 dB
3,6	DH	OK	24.1 dB @ 242.00MHz	N/A	>= 4.9 dB	19.2 dB
5,4	DH	OK	32.4 dB @ 246.00MHz	N/A	>= 4.5 dB	27.9 dB
1,2	DH	OK	29.6 dB @ 238.00MHz	N/A	>= 5.4 dB	24.2 dB
7,8	RH	OK	29.4 dB @ 234.50MHz	N/A	>= 5.8 dB	23.6 dB
3,6	RH	OK	28.6 dB @ 234.00MHz	N/A	>= 5.8 dB	22.8 dB
5,4	RH	OK	29.5 dB @ 238.50MHz	N/A	>= 5.4 dB	24.1 dB
1,2	RH	OK	33.4 dB @ 247.50MHz	N/A	>= 4.4 dB	29.0 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0100  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:54:16  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.5 dB @ 225.50MHz	N/A	> 17.1 dB	13.4 dB
7,8-5,4	DH	OK	40.6 dB @ 245.00MHz	N/A	> 16.4 dB	24.2 dB
7,8-1,2	DH	OK	44.3 dB @ 250.00MHz	N/A	> 16.2 dB	28.1 dB
3,6-7,8	DH	OK	31.1 dB @ 216.50MHz	N/A	> 17.5 dB	13.6 dB
3,6-5,4	DH	OK	34.7 dB @ 225.00MHz	N/A	> 17.1 dB	17.6 dB
3,6-1,2	DH	OK	40.1 dB @ 226.00MHz	N/A	> 17.1 dB	23.0 dB
5,4-7,8	DH	OK	42.8 dB @ 248.50MHz	N/A	> 16.3 dB	26.5 dB
5,4-3,6	DH	OK	34.1 dB @ 225.50MHz	N/A	> 17.1 dB	17.0 dB
5,4-1,2	DH	OK	36.4 dB @ 226.50MHz	N/A	> 17.1 dB	19.3 dB
1,2-7,8	DH	OK	40.6 dB @ 249.00MHz	N/A	> 16.2 dB	24.4 dB
1,2-3,6	DH	OK	37.7 dB @ 220.50MHz	N/A	> 17.3 dB	20.4 dB
1,2-5,4	DH	OK	35.6 dB @ 229.50MHz	N/A	> 16.9 dB	18.7 dB
7,8-3,6	RH	OK	31.3 dB @ 230.50MHz	N/A	> 16.9 dB	14.4 dB
7,8-5,4	RH	OK	41.4 dB @ 230.50MHz	N/A	> 16.9 dB	24.5 dB
7,8-1,2	RH	OK	43.7 dB @ 248.50MHz	N/A	> 16.3 dB	27.4 dB
3,6-7,8	RH	OK	30.8 dB @ 222.50MHz	N/A	> 17.2 dB	13.6 dB
3,6-5,4	RH	OK	34.5 dB @ 225.50MHz	N/A	> 17.1 dB	17.4 dB
3,6-1,2	RH	OK	38.3 dB @ 225.50MHz	N/A	> 17.1 dB	21.2 dB
5,4-7,8	RH	OK	42.6 dB @ 250.00MHz	N/A	> 16.2 dB	26.4 dB
5,4-3,6	RH	OK	34.6 dB @ 219.00MHz	N/A	> 17.4 dB	17.2 dB
5,4-1,2	RH	OK	35.4 dB @ 225.00MHz	N/A	> 17.1 dB	18.3 dB
1,2-7,8	RH	OK	41.3 dB @ 250.00MHz	N/A	> 16.2 dB	25.1 dB
1,2-3,6	RH	OK	38.8 dB @ 220.00MHz	N/A	> 17.3 dB	21.5 dB
1,2-5,4	RH	OK	36.2 dB @ 230.50MHz	N/A	> 16.9 dB	19.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.1 dB @ 249.50MHz	N/A	> 32.3 dB	9.8 dB
3,6	DH	OK	41.4 dB @ 241.50MHz	N/A	> 32.6 dB	8.8 dB
5,4	DH	OK	46.9 dB @ 224.50MHz	N/A	> 33.1 dB	13.8 dB
1,2	DH	OK	45.0 dB @ 238.50MHz	N/A	> 32.7 dB	12.3 dB
7,8	RH	OK	43.5 dB @ 234.00MHz	N/A	> 32.8 dB	10.7 dB
3,6	RH	OK	44.7 dB @ 234.50MHz	N/A	> 32.8 dB	11.9 dB
5,4	RH	OK	45.3 dB @ 247.50MHz	N/A	> 32.4 dB	12.9 dB
1,2	RH	OK	46.6 dB @ 247.50MHz	N/A	> 32.4 dB	14.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.3 dB @ 248.50MHz	N/A	>= 1.4 dB	22.9 dB
3,6	DH	OK	23.3 dB @ 242.00MHz	N/A	>= 1.9 dB	21.4 dB
5,4	DH	OK	29.5 dB @ 225.00MHz	N/A	>= 3.8 dB	25.7 dB
1,2	DH	OK	28.6 dB @ 237.00MHz	N/A	>= 2.5 dB	26.1 dB
7,8	RH	OK	26.7 dB @ 234.00MHz	N/A	>= 2.8 dB	23.9 dB
3,6	RH	OK	27.0 dB @ 233.50MHz	N/A	>= 2.9 dB	24.1 dB
5,4	RH	OK	27.4 dB @ 247.00MHz	N/A	>= 1.5 dB	25.9 dB
1,2	RH	OK	29.9 dB @ 247.50MHz	N/A	>= 1.4 dB	28.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.7 dB @ 216.50MHz	N/A	>= 14.5 dB	16.2 dB
3,6	DH	OK	28.4 dB @ 225.50MHz	N/A	>= 14.1 dB	14.3 dB
5,4	DH	OK	31.7 dB @ 229.50MHz	N/A	>= 13.9 dB	17.8 dB
1,2	DH	OK	34.6 dB @ 226.50MHz	N/A	>= 14.1 dB	20.5 dB
7,8	RH	OK	30.7 dB @ 230.50MHz	N/A	>= 13.9 dB	16.8 dB
3,6	RH	OK	28.8 dB @ 225.50MHz	N/A	>= 14.1 dB	14.7 dB
5,4	RH	OK	31.7 dB @ 225.00MHz	N/A	>= 14.1 dB	17.6 dB
1,2	RH	OK	34.3 dB @ 230.50MHz	N/A	>= 13.9 dB	20.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

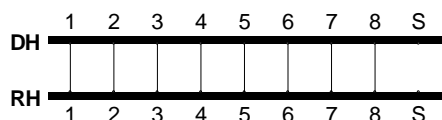
ID cavo 1: 0101  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:56:09  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	54.0m	55.4m	56.9m	53.8m	< 90.0m	OK
Ritardo di propag.	265.0ns	271.8ns	278.8ns	264.2ns	< 510.0ns	OK
Diff. t. ritardo	14.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.2 Ohm	98.4 Ohm	95.7 Ohm	100.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.1 Ohm	11.1 Ohm	12.3 Ohm	10.9 Ohm	< 20.0 Ohm	OK
Capacità	48.0pF/m	48.0pF/m	49.4pF/m	47.0pF/m	< 66.0pF/m	OK
Riserva	8.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.6 dB @ 243.00MHz	N/A	> 35.5 dB	7.1 dB
7,8-5,4	DH	OK	52.8 dB @ 235.00MHz	N/A	> 35.8 dB	17.0 dB
7,8-1,2	DH	OK	60.9 dB @ 239.00MHz	N/A	> 35.6 dB	25.3 dB
3,6-5,4	DH	OK	53.3 dB @ 229.50MHz	N/A	> 35.9 dB	17.4 dB
3,6-1,2	DH	OK	47.5 dB @ 242.00MHz	N/A	> 35.5 dB	12.0 dB
5,4-1,2	DH	OK	47.9 dB @ 248.50MHz	N/A	> 35.4 dB	12.5 dB
7,8-3,6	RH	OK	46.1 dB @ 246.50MHz	N/A	> 35.4 dB	10.7 dB
7,8-5,4	RH	OK	46.9 dB @ 235.00MHz	N/A	> 35.8 dB	11.1 dB
7,8-1,2	RH	OK	54.3 dB @ 202.00MHz	N/A	> 36.8 dB	17.5 dB
3,6-5,4	RH	OK	52.3 dB @ 250.00MHz	N/A	> 35.3 dB	17.0 dB
3,6-1,2	RH	OK	49.3 dB @ 230.00MHz	N/A	> 35.9 dB	13.4 dB
5,4-1,2	RH	OK	47.1 dB @ 205.50MHz	N/A	> 36.7 dB	10.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 224.00MHz	N/A	> 10.5 dB	5.5 dB
3,6	DH	OK	16.8 dB @ 229.50MHz	N/A	> 10.4 dB	6.4 dB
5,4	DH	OK	17.2 dB @ 239.50MHz	N/A	> 10.2 dB	7.0 dB
1,2	DH	OK	18.4 dB @ 211.00MHz	N/A	> 10.7 dB	7.7 dB
7,8	RH	OK	15.2 dB @ 227.00MHz	N/A	> 10.4 dB	4.8 dB
3,6	RH	OK	16.8 dB @ 224.00MHz	N/A	> 10.5 dB	6.3 dB
5,4	RH	OK	18.1 dB @ 224.50MHz	N/A	> 10.5 dB	7.6 dB
1,2	RH	OK	16.7 dB @ 229.00MHz	N/A	> 10.4 dB	6.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.9 dB @ 245.50MHz	N/A	< 30.8 dB	12.9 dB
3,6	OK	18.7 dB @ 235.50MHz	N/A	< 30.1 dB	11.4 dB
5,4	OK	18.6 dB @ 250.00MHz	N/A	< 31.2 dB	12.6 dB
1,2	OK	17.4 dB @ 244.00MHz	N/A	< 30.7 dB	13.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.3 dB @ 243.00MHz	N/A	>= 4.9 dB	20.4 dB
3,6	DH	OK	24.6 dB @ 244.50MHz	N/A	>= 4.8 dB	19.8 dB
5,4	DH	OK	29.3 dB @ 247.50MHz	N/A	>= 4.4 dB	24.9 dB
1,2	DH	OK	30.6 dB @ 243.00MHz	N/A	>= 4.9 dB	25.7 dB
7,8	RH	OK	28.9 dB @ 247.00MHz	N/A	>= 4.5 dB	24.4 dB
3,6	RH	OK	28.3 dB @ 247.00MHz	N/A	>= 4.5 dB	23.8 dB
5,4	RH	OK	28.4 dB @ 235.00MHz	N/A	>= 5.8 dB	22.6 dB
1,2	RH	OK	31.4 dB @ 250.00MHz	N/A	>= 4.1 dB	27.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0101  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:56:09  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.7 dB @ 167.00MHz	N/A	> 19.7 dB	15.0 dB
7,8-5,4	DH	OK	42.9 dB @ 202.00MHz	N/A	> 18.1 dB	24.8 dB
7,8-1,2	DH	OK	42.4 dB @ 250.00MHz	N/A	> 16.2 dB	26.2 dB
3,6-7,8	DH	OK	34.9 dB @ 174.00MHz	N/A	> 19.3 dB	15.6 dB
3,6-5,4	DH	OK	33.0 dB @ 230.00MHz	N/A	> 16.9 dB	16.1 dB
3,6-1,2	DH	OK	38.9 dB @ 216.00MHz	N/A	> 17.5 dB	21.4 dB
5,4-7,8	DH	OK	42.7 dB @ 206.50MHz	N/A	> 17.9 dB	24.8 dB
5,4-3,6	DH	OK	34.0 dB @ 235.50MHz	N/A	> 16.7 dB	17.3 dB
5,4-1,2	DH	OK	40.4 dB @ 227.00MHz	N/A	> 17.0 dB	23.4 dB
1,2-7,8	DH	OK	42.5 dB @ 245.50MHz	N/A	> 16.4 dB	26.1 dB
1,2-3,6	DH	OK	36.8 dB @ 226.00MHz	N/A	> 17.1 dB	19.7 dB
1,2-5,4	DH	OK	37.1 dB @ 231.50MHz	N/A	> 16.9 dB	20.2 dB
7,8-3,6	RH	OK	35.1 dB @ 163.50MHz	N/A	> 19.9 dB	15.2 dB
7,8-5,4	RH	OK	43.9 dB @ 206.50MHz	N/A	> 17.9 dB	26.0 dB
7,8-1,2	RH	OK	41.7 dB @ 248.50MHz	N/A	> 16.3 dB	25.4 dB
3,6-7,8	RH	OK	34.7 dB @ 177.00MHz	N/A	> 19.2 dB	15.5 dB
3,6-5,4	RH	OK	33.2 dB @ 235.50MHz	N/A	> 16.7 dB	16.5 dB
3,6-1,2	RH	OK	37.8 dB @ 215.00MHz	N/A	> 17.5 dB	20.3 dB
5,4-7,8	RH	OK	42.1 dB @ 206.50MHz	N/A	> 17.9 dB	24.2 dB
5,4-3,6	RH	OK	34.1 dB @ 224.50MHz	N/A	> 17.1 dB	17.0 dB
5,4-1,2	RH	OK	39.0 dB @ 227.50MHz	N/A	> 17.0 dB	22.0 dB
1,2-7,8	RH	OK	43.4 dB @ 250.00MHz	N/A	> 16.2 dB	27.2 dB
1,2-3,6	RH	OK	37.8 dB @ 226.00MHz	N/A	> 17.1 dB	20.7 dB
1,2-5,4	RH	OK	38.6 dB @ 231.50MHz	N/A	> 16.9 dB	21.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.4 dB @ 243.00MHz	N/A	> 32.5 dB	9.9 dB
3,6	DH	OK	41.2 dB @ 243.00MHz	N/A	> 32.5 dB	8.7 dB
5,4	DH	OK	47.0 dB @ 248.50MHz	N/A	> 32.4 dB	14.6 dB
1,2	DH	OK	45.2 dB @ 247.00MHz	N/A	> 32.4 dB	12.8 dB
7,8	RH	OK	44.0 dB @ 246.50MHz	N/A	> 32.4 dB	11.6 dB
3,6	RH	OK	44.5 dB @ 246.50MHz	N/A	> 32.4 dB	12.1 dB
5,4	RH	OK	44.5 dB @ 233.50MHz	N/A	> 32.8 dB	11.7 dB
1,2	RH	OK	45.8 dB @ 205.50MHz	N/A	> 33.7 dB	12.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	25.1 dB @ 243.00MHz	N/A	>= 1.9 dB	23.2 dB
3,6	DH	OK	23.3 dB @ 244.50MHz	N/A	>= 1.8 dB	21.5 dB
5,4	DH	OK	28.6 dB @ 247.50MHz	N/A	>= 1.4 dB	27.2 dB
1,2	DH	OK	28.3 dB @ 247.00MHz	N/A	>= 1.5 dB	26.8 dB
7,8	RH	OK	26.8 dB @ 247.00MHz	N/A	>= 1.5 dB	25.3 dB
3,6	RH	OK	26.8 dB @ 246.00MHz	N/A	>= 1.5 dB	25.3 dB
5,4	RH	OK	26.1 dB @ 235.00MHz	N/A	>= 2.8 dB	23.3 dB
1,2	RH	OK	29.4 dB @ 244.00MHz	N/A	>= 1.8 dB	27.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.4 dB @ 174.00MHz	N/A	>= 16.3 dB	18.1 dB
3,6	DH	OK	31.3 dB @ 207.50MHz	N/A	>= 14.8 dB	16.5 dB
5,4	DH	OK	31.5 dB @ 233.00MHz	N/A	>= 13.8 dB	17.7 dB
1,2	DH	OK	35.9 dB @ 227.00MHz	N/A	>= 14.0 dB	21.9 dB
7,8	RH	OK	34.8 dB @ 174.00MHz	N/A	>= 16.3 dB	18.5 dB
3,6	RH	OK	31.2 dB @ 215.00MHz	N/A	>= 14.5 dB	16.7 dB
5,4	RH	OK	32.8 dB @ 235.00MHz	N/A	>= 13.7 dB	19.1 dB
1,2	RH	OK	34.8 dB @ 227.00MHz	N/A	>= 14.0 dB	20.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

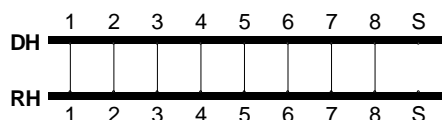
## OK

ID cavo 1: 0102  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:57:36  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	53.9m	55.2m	56.5m	53.7m	< 90.0m	OK
Ritardo di propag.	264.7ns	270.9ns	276.8ns	263.8ns	< 510.0ns	OK
Diff. t. ritardo	13.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.5 Ohm	98.9 Ohm	97.7 Ohm	100.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.9 Ohm	11.4 Ohm	12.5 Ohm	11.1 Ohm	< 20.0 Ohm	OK
Capacità	47.9pF/m	47.7pF/m	48.3pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	7.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.6 dB @ 230.50MHz	N/A	> 35.9 dB	4.7 dB
7,8-5,4	DH	OK	51.7 dB @ 191.50MHz	N/A	> 37.2 dB	14.5 dB
7,8-1,2	DH	OK	59.4 dB @ 239.50MHz	N/A	> 35.6 dB	23.8 dB
3,6-5,4	DH	OK	53.3 dB @ 230.50MHz	N/A	> 35.9 dB	17.4 dB
3,6-1,2	DH	OK	44.7 dB @ 236.50MHz	N/A	> 35.7 dB	9.0 dB
5,4-1,2	DH	OK	49.0 dB @ 209.50MHz	N/A	> 36.6 dB	12.4 dB
7,8-3,6	RH	OK	45.7 dB @ 222.00MHz	N/A	> 36.2 dB	9.5 dB
7,8-5,4	RH	OK	45.8 dB @ 230.50MHz	N/A	> 35.9 dB	9.9 dB
7,8-1,2	RH	OK	55.9 dB @ 209.50MHz	N/A	> 36.6 dB	19.3 dB
3,6-5,4	RH	OK	52.1 dB @ 230.50MHz	N/A	> 35.9 dB	16.2 dB
3,6-1,2	RH	OK	44.6 dB @ 248.00MHz	N/A	> 35.4 dB	9.2 dB
5,4-1,2	RH	OK	49.8 dB @ 202.00MHz	N/A	> 36.8 dB	13.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 221.50MHz	N/A	> 10.5 dB	5.6 dB
3,6	DH	OK	16.8 dB @ 233.50MHz	N/A	> 10.3 dB	6.5 dB
5,4	DH	OK	17.0 dB @ 242.00MHz	N/A	> 10.2 dB	6.8 dB
1,2	DH	OK	17.1 dB @ 217.50MHz	N/A	> 10.6 dB	6.5 dB
7,8	RH	OK	15.7 dB @ 218.00MHz	N/A	> 10.6 dB	5.1 dB
3,6	RH	OK	18.2 dB @ 173.00MHz	N/A	> 11.6 dB	6.6 dB
5,4	RH	OK	17.4 dB @ 231.00MHz	N/A	> 10.4 dB	7.0 dB
1,2	RH	OK	17.3 dB @ 225.50MHz	N/A	> 10.5 dB	6.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.6 dB @ 243.00MHz	N/A	< 30.6 dB	13.0 dB
3,6	OK	18.0 dB @ 240.50MHz	N/A	< 30.4 dB	12.4 dB
5,4	OK	18.3 dB @ 246.00MHz	N/A	< 30.9 dB	12.6 dB
1,2	OK	17.2 dB @ 248.50MHz	N/A	< 31.0 dB	13.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	23.6 dB @ 235.50MHz	N/A	>= 5.6 dB	18.0 dB
3,6	DH	OK	23.2 dB @ 230.00MHz	N/A	>= 6.2 dB	17.0 dB
5,4	DH	OK	32.1 dB @ 250.00MHz	N/A	>= 4.1 dB	28.0 dB
1,2	DH	OK	28.0 dB @ 236.50MHz	N/A	>= 5.5 dB	22.5 dB
7,8	RH	OK	29.1 dB @ 238.50MHz	N/A	>= 5.4 dB	23.7 dB
3,6	RH	OK	26.8 dB @ 248.00MHz	N/A	>= 4.4 dB	22.4 dB
5,4	RH	OK	28.5 dB @ 239.00MHz	N/A	>= 5.3 dB	23.2 dB
1,2	RH	OK	27.9 dB @ 248.50MHz	N/A	>= 4.4 dB	23.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0102  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:57:36  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.4 dB @ 209.50MHz	N/A	> 17.7 dB	13.7 dB
7,8-5,4	DH	OK	47.0 dB @ 237.50MHz	N/A	> 16.7 dB	30.3 dB
7,8-1,2	DH	OK	45.9 dB @ 215.50MHz	N/A	> 17.5 dB	28.4 dB
3,6-7,8	DH	OK	31.4 dB @ 213.50MHz	N/A	> 17.6 dB	13.8 dB
3,6-5,4	DH	OK	31.4 dB @ 229.00MHz	N/A	> 17.0 dB	14.4 dB
3,6-1,2	DH	OK	35.8 dB @ 230.50MHz	N/A	> 16.9 dB	18.9 dB
5,4-7,8	DH	OK	44.7 dB @ 173.50MHz	N/A	> 19.4 dB	25.3 dB
5,4-3,6	DH	OK	31.4 dB @ 224.00MHz	N/A	> 17.2 dB	14.2 dB
5,4-1,2	DH	OK	36.4 dB @ 234.00MHz	N/A	> 16.8 dB	19.6 dB
1,2-7,8	DH	OK	48.0 dB @ 179.50MHz	N/A	> 19.1 dB	28.9 dB
1,2-3,6	DH	OK	35.7 dB @ 226.50MHz	N/A	> 17.1 dB	18.6 dB
1,2-5,4	DH	OK	33.9 dB @ 235.50MHz	N/A	> 16.7 dB	17.2 dB
7,8-3,6	RH	OK	31.8 dB @ 212.00MHz	N/A	> 17.6 dB	14.2 dB
7,8-5,4	RH	OK	47.3 dB @ 236.00MHz	N/A	> 16.7 dB	30.6 dB
7,8-1,2	RH	OK	45.0 dB @ 215.50MHz	N/A	> 17.5 dB	27.5 dB
3,6-7,8	RH	OK	30.9 dB @ 208.50MHz	N/A	> 17.8 dB	13.1 dB
3,6-5,4	RH	OK	31.0 dB @ 229.00MHz	N/A	> 17.0 dB	14.0 dB
3,6-1,2	RH	OK	35.0 dB @ 229.00MHz	N/A	> 17.0 dB	18.0 dB
5,4-7,8	RH	OK	44.2 dB @ 173.00MHz	N/A	> 19.4 dB	24.8 dB
5,4-3,6	RH	OK	31.7 dB @ 224.00MHz	N/A	> 17.2 dB	14.5 dB
5,4-1,2	RH	OK	35.1 dB @ 235.50MHz	N/A	> 16.7 dB	18.4 dB
1,2-7,8	RH	OK	48.4 dB @ 181.00MHz	N/A	> 19.0 dB	29.4 dB
1,2-3,6	RH	OK	36.7 dB @ 223.50MHz	N/A	> 17.2 dB	19.5 dB
1,2-5,4	RH	OK	35.1 dB @ 234.00MHz	N/A	> 16.8 dB	18.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.4 dB @ 230.50MHz	N/A	> 32.9 dB	7.5 dB
3,6	DH	OK	39.2 dB @ 236.50MHz	N/A	> 32.7 dB	6.5 dB
5,4	DH	OK	47.9 dB @ 209.50MHz	N/A	> 33.6 dB	14.3 dB
1,2	DH	OK	43.9 dB @ 236.50MHz	N/A	> 32.7 dB	11.2 dB
7,8	RH	OK	42.7 dB @ 230.00MHz	N/A	> 32.9 dB	9.8 dB
3,6	RH	OK	42.0 dB @ 230.50MHz	N/A	> 32.9 dB	9.1 dB
5,4	RH	OK	44.8 dB @ 230.50MHz	N/A	> 32.9 dB	11.9 dB
1,2	RH	OK	43.8 dB @ 247.00MHz	N/A	> 32.4 dB	11.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.5 dB @ 235.50MHz	N/A	>= 2.6 dB	20.9 dB
3,6	DH	OK	21.6 dB @ 236.00MHz	N/A	>= 2.6 dB	19.0 dB
5,4	DH	OK	30.4 dB @ 243.50MHz	N/A	>= 1.8 dB	28.6 dB
1,2	DH	OK	27.2 dB @ 236.50MHz	N/A	>= 2.5 dB	24.7 dB
7,8	RH	OK	26.2 dB @ 230.50MHz	N/A	>= 3.2 dB	23.0 dB
3,6	RH	OK	24.7 dB @ 230.50MHz	N/A	>= 3.2 dB	21.5 dB
5,4	RH	OK	27.4 dB @ 239.50MHz	N/A	>= 2.2 dB	25.2 dB
1,2	RH	OK	27.3 dB @ 247.00MHz	N/A	>= 1.5 dB	25.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.2 dB @ 213.50MHz	N/A	>= 14.6 dB	16.6 dB
3,6	DH	OK	27.7 dB @ 224.00MHz	N/A	>= 14.2 dB	13.5 dB
5,4	DH	OK	29.6 dB @ 236.50MHz	N/A	>= 13.7 dB	15.9 dB
1,2	DH	OK	33.0 dB @ 230.00MHz	N/A	>= 13.9 dB	19.1 dB
7,8	RH	OK	31.5 dB @ 212.00MHz	N/A	>= 14.6 dB	16.9 dB
3,6	RH	OK	27.7 dB @ 224.00MHz	N/A	>= 14.2 dB	13.5 dB
5,4	RH	OK	30.1 dB @ 235.50MHz	N/A	>= 13.7 dB	16.4 dB
1,2	RH	OK	33.0 dB @ 230.50MHz	N/A	>= 13.9 dB	19.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

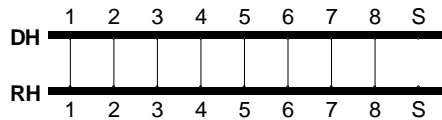
**OK**

ID cavo 1: 0103  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:59:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	56.3m	57.7m	59.0m	56.0m	< 90.0m	OK
Ritardo di propag.	275.8ns	282.5ns	288.4ns	274.5ns	< 510.0ns	OK
Diff. t. ritardo	13.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.7 Ohm	98.0 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.7 Ohm	12.7 Ohm	13.3 Ohm	11.9 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.9pF/m	48.2pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	8.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 237.50MHz	N/A	> 35.7 dB	5.8 dB
7,8-5,4	DH	OK	50.2 dB @ 231.00MHz	N/A	> 35.9 dB	14.3 dB
7,8-1,2	DH	OK	61.7 dB @ 219.00MHz	N/A	> 36.3 dB	25.4 dB
3,6-5,4	DH	OK	52.8 dB @ 232.50MHz	N/A	> 35.8 dB	17.0 dB
3,6-1,2	DH	OK	46.0 dB @ 232.00MHz	N/A	> 35.8 dB	10.2 dB
5,4-1,2	DH	OK	49.9 dB @ 246.50MHz	N/A	> 35.4 dB	14.5 dB
7,8-3,6	RH	OK	44.4 dB @ 222.50MHz	N/A	> 36.1 dB	8.3 dB
7,8-5,4	RH	OK	46.6 dB @ 237.00MHz	N/A	> 35.7 dB	10.9 dB
7,8-1,2	RH	OK	50.2 dB @ 182.00MHz	N/A	> 37.6 dB	12.6 dB
3,6-5,4	RH	OK	52.0 dB @ 243.00MHz	N/A	> 35.5 dB	16.5 dB
3,6-1,2	RH	OK	48.9 dB @ 223.00MHz	N/A	> 36.1 dB	12.8 dB
5,4-1,2	RH	OK	53.3 dB @ 224.50MHz	N/A	> 36.1 dB	17.2 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 232.00MHz	N/A	> 10.3 dB	5.8 dB
3,6	DH	OK	16.7 dB @ 238.50MHz	N/A	> 10.2 dB	6.5 dB
5,4	DH	OK	17.6 dB @ 239.00MHz	N/A	> 10.2 dB	7.4 dB
1,2	DH	OK	17.2 dB @ 224.00MHz	N/A	> 10.5 dB	6.7 dB
7,8	RH	OK	15.1 dB @ 227.00MHz	N/A	> 10.4 dB	4.7 dB
3,6	RH	OK	16.1 dB @ 224.00MHz	N/A	> 10.5 dB	5.6 dB
5,4	RH	OK	18.6 dB @ 231.50MHz	N/A	> 10.3 dB	8.3 dB
1,2	RH	OK	14.3 dB @ 223.50MHz	N/A	> 10.5 dB	3.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	18.4 dB @ 248.50MHz	N/A	< 31.0 dB	12.6 dB
3,6	OK	19.1 dB @ 244.50MHz	N/A	< 30.7 dB	11.6 dB
5,4	OK	18.8 dB @ 245.00MHz	N/A	< 30.8 dB	12.0 dB
1,2	OK	18.1 dB @ 248.00MHz	N/A	< 31.0 dB	12.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	23.6 dB @ 237.50MHz	N/A	>= 5.5 dB	18.1 dB
3,6	DH	OK	23.1 dB @ 237.00MHz	N/A	>= 5.5 dB	17.6 dB
5,4	DH	OK	31.3 dB @ 246.50MHz	N/A	>= 4.5 dB	26.8 dB
1,2	DH	OK	28.6 dB @ 244.00MHz	N/A	>= 4.8 dB	23.8 dB
7,8	RH	OK	27.0 dB @ 222.00MHz	N/A	>= 7.1 dB	19.9 dB
3,6	RH	OK	25.8 dB @ 222.50MHz	N/A	>= 7.0 dB	18.8 dB
5,4	RH	OK	28.3 dB @ 242.00MHz	N/A	>= 4.9 dB	23.4 dB
1,2	RH	OK	31.8 dB @ 222.50MHz	N/A	>= 7.0 dB	24.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0103  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 11:59:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.7 dB @ 203.00MHz	N/A	> 18.0 dB	15.7 dB
7,8-5,4	DH	OK	42.8 dB @ 249.00MHz	N/A	> 16.2 dB	26.6 dB
7,8-1,2	DH	OK	45.8 dB @ 229.00MHz	N/A	> 17.0 dB	28.8 dB
3,6-7,8	DH	OK	33.6 dB @ 202.00MHz	N/A	> 18.1 dB	15.5 dB
3,6-5,4	DH	OK	35.2 dB @ 176.00MHz	N/A	> 19.2 dB	16.0 dB
3,6-1,2	DH	OK	37.8 dB @ 229.00MHz	N/A	> 17.0 dB	20.8 dB
5,4-7,8	DH	OK	42.3 dB @ 248.50MHz	N/A	> 16.3 dB	26.0 dB
5,4-3,6	DH	OK	35.3 dB @ 183.50MHz	N/A	> 18.9 dB	16.4 dB
5,4-1,2	DH	OK	39.5 dB @ 218.00MHz	N/A	> 17.4 dB	22.1 dB
1,2-7,8	DH	OK	41.3 dB @ 246.00MHz	N/A	> 16.3 dB	25.0 dB
1,2-3,6	DH	OK	38.9 dB @ 236.00MHz	N/A	> 16.7 dB	22.2 dB
1,2-5,4	DH	OK	37.9 dB @ 219.50MHz	N/A	> 17.3 dB	20.6 dB
7,8-3,6	RH	OK	34.1 dB @ 174.50MHz	N/A	> 19.3 dB	14.8 dB
7,8-5,4	RH	OK	43.2 dB @ 248.50MHz	N/A	> 16.3 dB	26.9 dB
7,8-1,2	RH	OK	45.5 dB @ 229.50MHz	N/A	> 16.9 dB	28.6 dB
3,6-7,8	RH	OK	33.1 dB @ 203.00MHz	N/A	> 18.0 dB	15.1 dB
3,6-5,4	RH	OK	34.8 dB @ 179.00MHz	N/A	> 19.1 dB	15.7 dB
3,6-1,2	RH	OK	37.2 dB @ 222.50MHz	N/A	> 17.2 dB	20.0 dB
5,4-7,8	RH	OK	42.3 dB @ 249.00MHz	N/A	> 16.2 dB	26.1 dB
5,4-3,6	RH	OK	35.7 dB @ 183.00MHz	N/A	> 18.9 dB	16.8 dB
5,4-1,2	RH	OK	38.6 dB @ 216.00MHz	N/A	> 17.5 dB	21.1 dB
1,2-7,8	RH	OK	41.8 dB @ 248.00MHz	N/A	> 16.3 dB	25.5 dB
1,2-3,6	RH	OK	39.6 dB @ 249.50MHz	N/A	> 16.2 dB	23.4 dB
1,2-5,4	RH	OK	39.0 dB @ 229.00MHz	N/A	> 17.0 dB	22.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.1 dB @ 237.50MHz	N/A	> 32.7 dB	8.4 dB
3,6	DH	OK	40.1 dB @ 237.50MHz	N/A	> 32.7 dB	7.4 dB
5,4	DH	OK	48.1 dB @ 231.00MHz	N/A	> 32.9 dB	15.2 dB
1,2	DH	OK	45.0 dB @ 245.50MHz	N/A	> 32.4 dB	12.6 dB
7,8	RH	OK	43.0 dB @ 222.50MHz	N/A	> 33.1 dB	9.9 dB
3,6	RH	OK	42.7 dB @ 222.50MHz	N/A	> 33.1 dB	9.6 dB
5,4	RH	OK	45.2 dB @ 242.00MHz	N/A	> 32.5 dB	12.7 dB
1,2	RH	OK	47.3 dB @ 223.00MHz	N/A	> 33.1 dB	14.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.2 dB @ 237.50MHz	N/A	>= 2.5 dB	20.7 dB
3,6	DH	OK	21.9 dB @ 237.00MHz	N/A	>= 2.5 dB	19.4 dB
5,4	DH	OK	30.1 dB @ 230.50MHz	N/A	>= 3.2 dB	26.9 dB
1,2	DH	OK	27.5 dB @ 244.00MHz	N/A	>= 1.8 dB	25.7 dB
7,8	RH	OK	25.1 dB @ 246.00MHz	N/A	>= 1.5 dB	23.6 dB
3,6	RH	OK	24.1 dB @ 222.50MHz	N/A	>= 4.0 dB	20.1 dB
5,4	RH	OK	26.5 dB @ 242.00MHz	N/A	>= 1.9 dB	24.6 dB
1,2	RH	OK	30.2 dB @ 239.00MHz	N/A	>= 2.3 dB	27.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.2 dB @ 202.00MHz	N/A	>= 15.1 dB	18.1 dB
3,6	DH	OK	31.4 dB @ 219.50MHz	N/A	>= 14.3 dB	17.1 dB
5,4	DH	OK	34.1 dB @ 181.50MHz	N/A	>= 16.0 dB	18.1 dB
1,2	DH	OK	36.0 dB @ 229.00MHz	N/A	>= 14.0 dB	22.0 dB
7,8	RH	OK	33.4 dB @ 174.50MHz	N/A	>= 16.3 dB	17.1 dB
3,6	RH	OK	31.0 dB @ 203.00MHz	N/A	>= 15.0 dB	16.0 dB
5,4	RH	OK	34.0 dB @ 216.00MHz	N/A	>= 14.5 dB	19.5 dB
1,2	RH	OK	36.1 dB @ 229.00MHz	N/A	>= 14.0 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0104  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:00:55  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	56.4m	57.8m	59.1m	56.1m	< 90.0m	OK
Ritardo di propag.	276.2ns	282.6ns	288.8ns	274.7ns	< 510.0ns	OK
Diff. t. ritardo	14.1ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.7 Ohm	98.3 Ohm	97.4 Ohm	100.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.4 Ohm	11.7 Ohm	12.7 Ohm	11.3 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	48.0pF/m	48.5pF/m	46.9pF/m	< 66.0pF/m	OK
Riserva	8.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.2 dB @ 242.00MHz	N/A	> 35.5 dB	6.7 dB
7,8-5,4	DH	OK	49.9 dB @ 236.00MHz	N/A	> 35.7 dB	14.2 dB
7,8-1,2	DH	OK	60.2 dB @ 234.00MHz	N/A	> 35.8 dB	24.4 dB
3,6-5,4	DH	OK	53.0 dB @ 128.50MHz	N/A	> 40.0 dB	13.0 dB
3,6-1,2	DH	OK	44.2 dB @ 249.50MHz	N/A	> 35.3 dB	8.9 dB
5,4-1,2	DH	OK	48.5 dB @ 211.00MHz	N/A	> 36.5 dB	12.0 dB
7,8-3,6	RH	OK	47.0 dB @ 250.00MHz	N/A	> 35.3 dB	11.7 dB
7,8-5,4	RH	OK	45.5 dB @ 194.00MHz	N/A	> 37.1 dB	8.4 dB
7,8-1,2	RH	OK	56.9 dB @ 201.50MHz	N/A	> 36.8 dB	20.1 dB
3,6-5,4	RH	OK	52.4 dB @ 239.50MHz	N/A	> 35.6 dB	16.8 dB
3,6-1,2	RH	OK	47.8 dB @ 222.50MHz	N/A	> 36.1 dB	11.7 dB
5,4-1,2	RH	OK	49.4 dB @ 244.00MHz	N/A	> 35.5 dB	13.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.8 dB @ 222.50MHz	N/A	> 10.5 dB	6.3 dB
3,6	DH	OK	16.0 dB @ 226.00MHz	N/A	> 10.4 dB	5.6 dB
5,4	DH	OK	17.3 dB @ 229.00MHz	N/A	> 10.4 dB	6.9 dB
1,2	DH	OK	16.4 dB @ 233.00MHz	N/A	> 10.3 dB	6.1 dB
7,8	RH	OK	15.5 dB @ 230.00MHz	N/A	> 10.4 dB	5.1 dB
3,6	RH	OK	16.1 dB @ 226.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	RH	OK	18.5 dB @ 230.50MHz	N/A	> 10.4 dB	8.1 dB
1,2	RH	OK	15.1 dB @ 220.00MHz	N/A	> 10.6 dB	4.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	18.4 dB @ 249.00MHz	N/A	< 31.1 dB	12.7 dB
3,6	OK	19.0 dB @ 247.00MHz	N/A	< 30.9 dB	11.9 dB
5,4	OK	19.0 dB @ 249.50MHz	N/A	< 31.1 dB	12.1 dB
1,2	OK	17.9 dB @ 248.00MHz	N/A	< 31.0 dB	13.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.7 dB @ 241.50MHz	N/A	>= 5.1 dB	19.6 dB
3,6	DH	OK	23.7 dB @ 241.00MHz	N/A	>= 5.1 dB	18.6 dB
5,4	DH	OK	30.0 dB @ 249.50MHz	N/A	>= 4.2 dB	25.8 dB
1,2	DH	OK	26.8 dB @ 250.00MHz	N/A	>= 4.1 dB	22.7 dB
7,8	RH	OK	28.7 dB @ 249.00MHz	N/A	>= 4.2 dB	24.5 dB
3,6	RH	OK	28.1 dB @ 250.00MHz	N/A	>= 4.1 dB	24.0 dB
5,4	RH	OK	27.9 dB @ 249.50MHz	N/A	>= 4.2 dB	23.7 dB
1,2	RH	OK	30.7 dB @ 234.00MHz	N/A	>= 5.8 dB	24.9 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0104  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:00:55  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.1 dB @ 221.00MHz	N/A	> 17.3 dB	14.8 dB
7,8-5,4	DH	OK	41.5 dB @ 249.50MHz	N/A	> 16.2 dB	25.3 dB
7,8-1,2	DH	OK	37.5 dB @ 250.00MHz	N/A	> 16.2 dB	21.3 dB
3,6-7,8	DH	OK	33.3 dB @ 202.50MHz	N/A	> 18.0 dB	15.3 dB
3,6-5,4	DH	OK	32.6 dB @ 205.50MHz	N/A	> 17.9 dB	14.7 dB
3,6-1,2	DH	OK	45.1 dB @ 131.00MHz	N/A	> 21.8 dB	23.3 dB
5,4-7,8	DH	OK	41.7 dB @ 249.50MHz	N/A	> 16.2 dB	25.5 dB
5,4-3,6	DH	OK	32.0 dB @ 214.00MHz	N/A	> 17.6 dB	14.4 dB
5,4-1,2	DH	OK	37.0 dB @ 226.50MHz	N/A	> 17.1 dB	19.9 dB
1,2-7,8	DH	OK	36.6 dB @ 249.00MHz	N/A	> 16.2 dB	20.4 dB
1,2-3,6	DH	OK	42.4 dB @ 236.00MHz	N/A	> 16.7 dB	25.7 dB
1,2-5,4	DH	OK	36.6 dB @ 223.00MHz	N/A	> 17.2 dB	19.4 dB
7,8-3,6	RH	OK	32.6 dB @ 216.50MHz	N/A	> 17.5 dB	15.1 dB
7,8-5,4	RH	OK	42.6 dB @ 249.50MHz	N/A	> 16.2 dB	26.4 dB
7,8-1,2	RH	OK	37.0 dB @ 250.00MHz	N/A	> 16.2 dB	20.8 dB
3,6-7,8	RH	OK	32.8 dB @ 204.50MHz	N/A	> 17.9 dB	14.9 dB
3,6-5,4	RH	OK	32.2 dB @ 210.00MHz	N/A	> 17.7 dB	14.5 dB
3,6-1,2	RH	OK	44.3 dB @ 130.50MHz	N/A	> 21.8 dB	22.5 dB
5,4-7,8	RH	OK	40.6 dB @ 249.50MHz	N/A	> 16.2 dB	24.4 dB
5,4-3,6	RH	OK	31.9 dB @ 223.00MHz	N/A	> 17.2 dB	14.7 dB
5,4-1,2	RH	OK	35.7 dB @ 223.00MHz	N/A	> 17.2 dB	18.5 dB
1,2-7,8	RH	OK	37.1 dB @ 248.00MHz	N/A	> 16.3 dB	20.8 dB
1,2-3,6	RH	OK	43.6 dB @ 230.50MHz	N/A	> 16.9 dB	26.7 dB
1,2-5,4	RH	OK	37.3 dB @ 219.50MHz	N/A	> 17.3 dB	20.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.8 dB @ 242.00MHz	N/A	> 32.5 dB	9.3 dB
3,6	DH	OK	40.7 dB @ 242.00MHz	N/A	> 32.5 dB	8.2 dB
5,4	DH	OK	46.9 dB @ 241.50MHz	N/A	> 32.6 dB	14.3 dB
1,2	DH	OK	42.9 dB @ 249.50MHz	N/A	> 32.3 dB	10.6 dB
7,8	RH	OK	44.0 dB @ 250.00MHz	N/A	> 32.3 dB	11.7 dB
3,6	RH	OK	44.2 dB @ 234.00MHz	N/A	> 32.8 dB	11.4 dB
5,4	RH	OK	44.6 dB @ 194.00MHz	N/A	> 34.1 dB	10.5 dB
1,2	RH	OK	46.7 dB @ 248.00MHz	N/A	> 32.4 dB	14.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.2 dB @ 241.50MHz	N/A	>= 2.1 dB	22.1 dB
3,6	DH	OK	22.1 dB @ 249.00MHz	N/A	>= 1.2 dB	20.9 dB
5,4	DH	OK	28.6 dB @ 241.50MHz	N/A	>= 2.1 dB	26.5 dB
1,2	DH	OK	25.6 dB @ 249.50MHz	N/A	>= 1.2 dB	24.4 dB
7,8	RH	OK	26.0 dB @ 250.00MHz	N/A	>= 1.1 dB	24.9 dB
3,6	RH	OK	26.1 dB @ 250.00MHz	N/A	>= 1.1 dB	25.0 dB
5,4	RH	OK	26.2 dB @ 248.00MHz	N/A	>= 1.4 dB	24.8 dB
1,2	RH	OK	28.8 dB @ 248.00MHz	N/A	>= 1.4 dB	27.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.5 dB @ 209.00MHz	N/A	>= 14.8 dB	17.7 dB
3,6	DH	OK	28.9 dB @ 221.00MHz	N/A	>= 14.3 dB	14.6 dB
5,4	DH	OK	31.2 dB @ 212.50MHz	N/A	>= 14.6 dB	16.6 dB
1,2	DH	OK	35.4 dB @ 226.50MHz	N/A	>= 14.1 dB	21.3 dB
7,8	RH	OK	31.8 dB @ 216.50MHz	N/A	>= 14.5 dB	17.3 dB
3,6	RH	OK	29.5 dB @ 210.00MHz	N/A	>= 14.7 dB	14.8 dB
5,4	RH	OK	30.3 dB @ 223.00MHz	N/A	>= 14.2 dB	16.1 dB
1,2	RH	OK	35.2 dB @ 226.50MHz	N/A	>= 14.1 dB	21.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

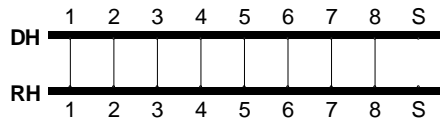
ID cavo 1: 0105  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:01:58  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	59.9m	61.5m	63.2m	59.6m	< 90.0m	OK
Ritardo di propag.	292.7ns	300.0ns	307.6ns	291.0ns	< 510.0ns	OK
Diff. t. ritardo	16.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.9 Ohm	98.5 Ohm	96.0 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.9 Ohm	11.3 Ohm	12.5 Ohm	11.3 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.9pF/m	49.2pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	9.2 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.7 dB @ 243.00MHz	N/A	> 35.5 dB	6.2 dB
7,8-5,4	DH	OK	50.7 dB @ 235.50MHz	N/A	> 35.7 dB	15.0 dB
7,8-1,2	DH	OK	59.8 dB @ 226.50MHz	N/A	> 36.0 dB	23.8 dB
3,6-5,4	DH	OK	52.8 dB @ 227.00MHz	N/A	> 36.0 dB	16.8 dB
3,6-1,2	DH	OK	46.8 dB @ 225.50MHz	N/A	> 36.0 dB	10.8 dB
5,4-1,2	DH	OK	49.7 dB @ 250.00MHz	N/A	> 35.3 dB	14.4 dB
7,8-3,6	RH	OK	46.1 dB @ 200.00MHz	N/A	> 36.9 dB	9.2 dB
7,8-5,4	RH	OK	47.2 dB @ 240.50MHz	N/A	> 35.6 dB	11.6 dB
7,8-1,2	RH	OK	55.4 dB @ 203.00MHz	N/A	> 36.8 dB	18.6 dB
3,6-5,4	RH	OK	50.9 dB @ 242.50MHz	N/A	> 35.5 dB	15.4 dB
3,6-1,2	RH	OK	46.7 dB @ 229.00MHz	N/A	> 35.9 dB	10.8 dB
5,4-1,2	RH	OK	52.6 dB @ 199.00MHz	N/A	> 36.9 dB	15.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.9 dB @ 228.00MHz	N/A	> 10.4 dB	6.5 dB
3,6	DH	OK	17.1 dB @ 235.00MHz	N/A	> 10.3 dB	6.8 dB
5,4	DH	OK	16.7 dB @ 234.00MHz	N/A	> 10.3 dB	6.4 dB
1,2	DH	OK	17.0 dB @ 214.50MHz	N/A	> 10.7 dB	6.3 dB
7,8	RH	OK	15.2 dB @ 215.00MHz	N/A	> 10.7 dB	4.5 dB
3,6	RH	OK	17.2 dB @ 167.50MHz	N/A	> 11.7 dB	5.5 dB
5,4	RH	OK	17.2 dB @ 233.00MHz	N/A	> 10.3 dB	6.9 dB
1,2	RH	OK	15.2 dB @ 225.50MHz	N/A	> 10.5 dB	4.7 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.1 dB @ 248.00MHz	N/A	< 31.0 dB	11.9 dB
3,6	OK	20.0 dB @ 249.50MHz	N/A	< 31.1 dB	11.1 dB
5,4	OK	20.8 dB @ 247.00MHz	N/A	< 30.9 dB	10.1 dB
1,2	OK	19.3 dB @ 249.50MHz	N/A	< 31.1 dB	11.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.8 dB @ 243.00MHz	N/A	>= 4.9 dB	17.9 dB
3,6	DH	OK	22.1 dB @ 243.00MHz	N/A	>= 4.9 dB	17.2 dB
5,4	DH	OK	29.6 dB @ 250.00MHz	N/A	>= 4.1 dB	25.5 dB
1,2	DH	OK	29.0 dB @ 225.50MHz	N/A	>= 6.7 dB	22.3 dB
7,8	RH	OK	28.2 dB @ 248.00MHz	N/A	>= 4.4 dB	23.8 dB
3,6	RH	OK	27.4 dB @ 236.50MHz	N/A	>= 5.5 dB	21.9 dB
5,4	RH	OK	26.6 dB @ 247.00MHz	N/A	>= 4.5 dB	22.1 dB
1,2	RH	OK	28.5 dB @ 233.50MHz	N/A	>= 5.9 dB	22.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0105  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:01:58  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.3 dB @ 249.50MHz	N/A	> 16.2 dB	17.1 dB
7,8-5,4	DH	OK	41.6 dB @ 249.50MHz	N/A	> 16.2 dB	25.4 dB
7,8-1,2	DH	OK	41.8 dB @ 249.50MHz	N/A	> 16.2 dB	25.6 dB
3,6-7,8	DH	OK	33.8 dB @ 233.00MHz	N/A	> 16.8 dB	17.0 dB
3,6-5,4	DH	OK	33.5 dB @ 198.50MHz	N/A	> 18.2 dB	15.3 dB
3,6-1,2	DH	OK	41.3 dB @ 225.00MHz	N/A	> 17.1 dB	24.2 dB
5,4-7,8	DH	OK	42.1 dB @ 249.50MHz	N/A	> 16.2 dB	25.9 dB
5,4-3,6	DH	OK	33.7 dB @ 204.50MHz	N/A	> 17.9 dB	15.8 dB
5,4-1,2	DH	OK	37.8 dB @ 249.50MHz	N/A	> 16.2 dB	21.6 dB
1,2-7,8	DH	OK	41.6 dB @ 248.00MHz	N/A	> 16.3 dB	25.3 dB
1,2-3,6	DH	OK	40.7 dB @ 224.00MHz	N/A	> 17.2 dB	23.5 dB
1,2-5,4	DH	OK	36.9 dB @ 249.50MHz	N/A	> 16.2 dB	20.7 dB
7,8-3,6	RH	OK	34.5 dB @ 250.00MHz	N/A	> 16.2 dB	18.3 dB
7,8-5,4	RH	OK	42.7 dB @ 249.00MHz	N/A	> 16.2 dB	26.5 dB
7,8-1,2	RH	OK	41.3 dB @ 234.50MHz	N/A	> 16.8 dB	24.5 dB
3,6-7,8	RH	OK	33.4 dB @ 234.00MHz	N/A	> 16.8 dB	16.6 dB
3,6-5,4	RH	OK	33.9 dB @ 197.00MHz	N/A	> 18.3 dB	15.6 dB
3,6-1,2	RH	OK	39.9 dB @ 224.00MHz	N/A	> 17.2 dB	22.7 dB
5,4-7,8	RH	OK	40.5 dB @ 247.00MHz	N/A	> 16.3 dB	24.2 dB
5,4-3,6	RH	OK	33.2 dB @ 178.00MHz	N/A	> 19.2 dB	14.0 dB
5,4-1,2	RH	OK	36.7 dB @ 250.00MHz	N/A	> 16.2 dB	20.5 dB
1,2-7,8	RH	OK	41.3 dB @ 249.50MHz	N/A	> 16.2 dB	25.1 dB
1,2-3,6	RH	OK	42.0 dB @ 219.50MHz	N/A	> 17.3 dB	24.7 dB
1,2-5,4	RH	OK	37.8 dB @ 249.50MHz	N/A	> 16.2 dB	21.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.6 dB @ 243.00MHz	N/A	> 32.5 dB	9.1 dB
3,6	DH	OK	41.0 dB @ 243.00MHz	N/A	> 32.5 dB	8.5 dB
5,4	DH	OK	48.2 dB @ 235.50MHz	N/A	> 32.7 dB	15.5 dB
1,2	DH	OK	46.1 dB @ 224.50MHz	N/A	> 33.1 dB	13.0 dB
7,8	RH	OK	44.2 dB @ 248.00MHz	N/A	> 32.4 dB	11.8 dB
3,6	RH	OK	44.0 dB @ 248.00MHz	N/A	> 32.4 dB	11.6 dB
5,4	RH	OK	45.7 dB @ 241.00MHz	N/A	> 32.6 dB	13.1 dB
1,2	RH	OK	45.9 dB @ 211.00MHz	N/A	> 33.5 dB	12.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	22.6 dB @ 234.50MHz	N/A	>= 2.8 dB	19.8 dB
3,6	DH	OK	21.4 dB @ 243.00MHz	N/A	>= 1.9 dB	19.5 dB
5,4	DH	OK	28.3 dB @ 246.00MHz	N/A	>= 1.5 dB	26.8 dB
1,2	DH	OK	27.6 dB @ 249.50MHz	N/A	>= 1.2 dB	26.4 dB
7,8	RH	OK	25.1 dB @ 248.00MHz	N/A	>= 1.4 dB	23.7 dB
3,6	RH	OK	24.5 dB @ 247.50MHz	N/A	>= 1.4 dB	23.1 dB
5,4	RH	OK	25.1 dB @ 247.00MHz	N/A	>= 1.5 dB	23.6 dB
1,2	RH	OK	28.2 dB @ 233.50MHz	N/A	>= 2.9 dB	25.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.2 dB @ 234.50MHz	N/A	>= 13.8 dB	19.4 dB
3,6	DH	OK	31.9 dB @ 224.00MHz	N/A	>= 14.2 dB	17.7 dB
5,4	DH	OK	31.9 dB @ 198.50MHz	N/A	>= 15.2 dB	16.7 dB
1,2	DH	OK	36.2 dB @ 249.50MHz	N/A	>= 13.2 dB	23.0 dB
7,8	RH	OK	33.2 dB @ 250.00MHz	N/A	>= 13.2 dB	20.0 dB
3,6	RH	OK	31.9 dB @ 230.50MHz	N/A	>= 13.9 dB	18.0 dB
5,4	RH	OK	31.9 dB @ 204.50MHz	N/A	>= 14.9 dB	17.0 dB
1,2	RH	OK	36.1 dB @ 249.50MHz	N/A	>= 13.2 dB	22.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0106  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:03:04  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	59.8m	61.2m	62.6m	59.5m	< 90.0m	OK
Ritardo di propag.	292.2ns	298.6ns	305.1ns	290.6ns	< 510.0ns	OK
Diff. t. ritardo	14.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.9 Ohm	98.5 Ohm	97.7 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.7 Ohm	12.4 Ohm	13.5 Ohm	12.1 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.9pF/m	48.3pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	9.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.9 dB @ 242.50MHz	N/A	> 35.5 dB	6.4 dB
7,8-5,4	DH	OK	51.4 dB @ 229.00MHz	N/A	> 35.9 dB	15.5 dB
7,8-1,2	DH	OK	60.7 dB @ 207.50MHz	N/A	> 36.6 dB	24.1 dB
3,6-5,4	DH	OK	52.2 dB @ 167.00MHz	N/A	> 38.2 dB	14.0 dB
3,6-1,2	DH	OK	46.8 dB @ 245.50MHz	N/A	> 35.4 dB	11.4 dB
5,4-1,2	DH	OK	49.1 dB @ 206.50MHz	N/A	> 36.7 dB	12.4 dB
7,8-3,6	RH	OK	46.0 dB @ 224.00MHz	N/A	> 36.1 dB	9.9 dB
7,8-5,4	RH	OK	46.4 dB @ 248.00MHz	N/A	> 35.4 dB	11.0 dB
7,8-1,2	RH	OK	58.4 dB @ 150.00MHz	N/A	> 38.9 dB	19.5 dB
3,6-5,4	RH	OK	52.0 dB @ 219.50MHz	N/A	> 36.2 dB	15.8 dB
3,6-1,2	RH	OK	46.3 dB @ 231.50MHz	N/A	> 35.9 dB	10.4 dB
5,4-1,2	RH	OK	49.1 dB @ 197.50MHz	N/A	> 37.0 dB	12.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.6 dB @ 225.00MHz	N/A	> 10.5 dB	5.1 dB
3,6	DH	OK	15.6 dB @ 232.50MHz	N/A	> 10.3 dB	5.3 dB
5,4	DH	OK	17.7 dB @ 228.00MHz	N/A	> 10.4 dB	7.3 dB
1,2	DH	OK	15.7 dB @ 225.50MHz	N/A	> 10.5 dB	5.2 dB
7,8	RH	OK	15.1 dB @ 225.00MHz	N/A	> 10.5 dB	4.6 dB
3,6	RH	OK	16.3 dB @ 227.50MHz	N/A	> 10.4 dB	5.9 dB
5,4	RH	OK	18.0 dB @ 231.00MHz	N/A	> 10.4 dB	7.6 dB
1,2	RH	OK	16.4 dB @ 222.00MHz	N/A	> 10.5 dB	5.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.9 dB @ 242.50MHz	N/A	< 30.6 dB	10.7 dB
3,6	OK	19.9 dB @ 248.50MHz	N/A	< 31.0 dB	11.1 dB
5,4	OK	19.8 dB @ 243.50MHz	N/A	< 30.7 dB	10.9 dB
1,2	OK	18.6 dB @ 239.50MHz	N/A	< 30.4 dB	11.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.0 dB @ 242.50MHz	N/A	>= 4.9 dB	17.1 dB
3,6	DH	OK	22.5 dB @ 241.00MHz	N/A	>= 5.1 dB	17.4 dB
5,4	DH	OK	30.2 dB @ 249.50MHz	N/A	>= 4.2 dB	26.0 dB
1,2	DH	OK	28.6 dB @ 246.00MHz	N/A	>= 4.5 dB	24.1 dB
7,8	RH	OK	27.3 dB @ 223.50MHz	N/A	>= 6.9 dB	20.4 dB
3,6	RH	OK	27.1 dB @ 224.00MHz	N/A	>= 6.9 dB	20.2 dB
5,4	RH	OK	26.7 dB @ 248.00MHz	N/A	>= 4.4 dB	22.3 dB
1,2	RH	OK	28.6 dB @ 223.00MHz	N/A	>= 6.9 dB	21.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0106  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:03:04  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	38.0 dB @ 174.00MHz	N/A	> 19.3 dB	18.7 dB
7,8-5,4	DH	OK	38.4 dB @ 247.00MHz	N/A	> 16.3 dB	22.1 dB
7,8-1,2	DH	OK	41.8 dB @ 237.00MHz	N/A	> 16.7 dB	25.1 dB
3,6-7,8	DH	OK	38.3 dB @ 177.00MHz	N/A	> 19.2 dB	19.1 dB
3,6-5,4	DH	OK	33.9 dB @ 189.50MHz	N/A	> 18.6 dB	15.3 dB
3,6-1,2	DH	OK	38.5 dB @ 231.50MHz	N/A	> 16.9 dB	21.6 dB
5,4-7,8	DH	OK	38.6 dB @ 247.50MHz	N/A	> 16.3 dB	22.3 dB
5,4-3,6	DH	OK	33.5 dB @ 180.50MHz	N/A	> 19.0 dB	14.5 dB
5,4-1,2	DH	OK	37.8 dB @ 205.50MHz	N/A	> 17.9 dB	19.9 dB
1,2-7,8	DH	OK	40.5 dB @ 246.00MHz	N/A	> 16.3 dB	24.2 dB
1,2-3,6	DH	OK	43.6 dB @ 248.50MHz	N/A	> 16.3 dB	27.3 dB
1,2-5,4	DH	OK	36.4 dB @ 209.50MHz	N/A	> 17.7 dB	18.7 dB
7,8-3,6	RH	OK	38.5 dB @ 171.50MHz	N/A	> 19.5 dB	19.0 dB
7,8-5,4	RH	OK	38.8 dB @ 247.50MHz	N/A	> 16.3 dB	22.5 dB
7,8-1,2	RH	OK	40.8 dB @ 242.50MHz	N/A	> 16.5 dB	24.3 dB
3,6-7,8	RH	OK	37.6 dB @ 180.50MHz	N/A	> 19.0 dB	18.6 dB
3,6-5,4	RH	OK	33.8 dB @ 189.50MHz	N/A	> 18.6 dB	15.2 dB
3,6-1,2	RH	OK	37.0 dB @ 232.00MHz	N/A	> 16.9 dB	20.1 dB
5,4-7,8	RH	OK	37.8 dB @ 249.50MHz	N/A	> 16.2 dB	21.6 dB
5,4-3,6	RH	OK	33.6 dB @ 174.00MHz	N/A	> 19.3 dB	14.3 dB
5,4-1,2	RH	OK	36.9 dB @ 205.50MHz	N/A	> 17.9 dB	19.0 dB
1,2-7,8	RH	OK	41.2 dB @ 246.00MHz	N/A	> 16.3 dB	24.9 dB
1,2-3,6	RH	OK	45.2 dB @ 248.50MHz	N/A	> 16.3 dB	28.9 dB
1,2-5,4	RH	OK	37.4 dB @ 209.00MHz	N/A	> 17.8 dB	19.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.5 dB @ 241.00MHz	N/A	> 32.6 dB	8.9 dB
3,6	DH	OK	40.8 dB @ 241.00MHz	N/A	> 32.6 dB	8.2 dB
5,4	DH	OK	47.7 dB @ 206.50MHz	N/A	> 33.7 dB	14.0 dB
1,2	DH	OK	46.3 dB @ 245.00MHz	N/A	> 32.5 dB	13.8 dB
7,8	RH	OK	43.9 dB @ 224.00MHz	N/A	> 33.1 dB	10.8 dB
3,6	RH	OK	43.1 dB @ 222.50MHz	N/A	> 33.1 dB	10.0 dB
5,4	RH	OK	44.4 dB @ 248.00MHz	N/A	> 32.4 dB	12.0 dB
1,2	RH	OK	45.3 dB @ 248.00MHz	N/A	> 32.4 dB	12.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.8 dB @ 242.50MHz	N/A	>= 1.9 dB	19.9 dB
3,6	DH	OK	21.4 dB @ 240.50MHz	N/A	>= 2.2 dB	19.2 dB
5,4	DH	OK	28.7 dB @ 239.50MHz	N/A	>= 2.2 dB	26.5 dB
1,2	DH	OK	28.0 dB @ 244.50MHz	N/A	>= 1.8 dB	26.2 dB
7,8	RH	OK	24.9 dB @ 247.50MHz	N/A	>= 1.4 dB	23.5 dB
3,6	RH	OK	24.2 dB @ 223.50MHz	N/A	>= 3.9 dB	20.3 dB
5,4	RH	OK	24.7 dB @ 248.00MHz	N/A	>= 1.4 dB	23.3 dB
1,2	RH	OK	27.0 dB @ 248.00MHz	N/A	>= 1.4 dB	25.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.0 dB @ 250.00MHz	N/A	>= 13.2 dB	22.8 dB
3,6	DH	OK	32.2 dB @ 178.50MHz	N/A	>= 16.1 dB	16.1 dB
5,4	DH	OK	32.5 dB @ 205.50MHz	N/A	>= 14.9 dB	17.6 dB
1,2	DH	OK	35.3 dB @ 240.50MHz	N/A	>= 13.5 dB	21.8 dB
7,8	RH	OK	36.2 dB @ 242.50MHz	N/A	>= 13.5 dB	22.7 dB
3,6	RH	OK	31.9 dB @ 181.50MHz	N/A	>= 16.0 dB	15.9 dB
5,4	RH	OK	32.2 dB @ 205.50MHz	N/A	>= 14.9 dB	17.3 dB
1,2	RH	OK	36.7 dB @ 209.00MHz	N/A	>= 14.8 dB	21.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0107  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:04:13  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	60.0m	61.5m	62.8m	59.8m	< 90.0m	OK
Ritardo di propag.	293.1ns	300.0ns	306.1ns	291.9ns	< 510.0ns	OK
Diff. t. ritardo	14.2ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.2 Ohm	98.8 Ohm	97.8 Ohm	100.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.8 Ohm	12.4 Ohm	13.1 Ohm	12.1 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.8pF/m	48.3pF/m	46.8pF/m	< 66.0pF/m	OK
Riserva	6.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	39.4 dB @ 241.00MHz	N/A	> 35.6 dB	3.8 dB
7,8-5,4	DH	OK	51.7 dB @ 235.00MHz	N/A	> 35.8 dB	15.9 dB
7,8-1,2	DH	OK	61.2 dB @ 204.00MHz	N/A	> 36.8 dB	24.4 dB
3,6-5,4	DH	OK	51.8 dB @ 234.50MHz	N/A	> 35.8 dB	16.0 dB
3,6-1,2	DH	OK	45.3 dB @ 234.50MHz	N/A	> 35.8 dB	9.5 dB
5,4-1,2	DH	OK	48.9 dB @ 249.00MHz	N/A	> 35.3 dB	13.6 dB
7,8-3,6	RH	OK	45.6 dB @ 226.50MHz	N/A	> 36.0 dB	9.6 dB
7,8-5,4	RH	OK	44.7 dB @ 221.50MHz	N/A	> 36.2 dB	8.5 dB
7,8-1,2	RH	OK	58.0 dB @ 247.00MHz	N/A	> 35.4 dB	22.6 dB
3,6-5,4	RH	OK	51.6 dB @ 241.00MHz	N/A	> 35.6 dB	16.0 dB
3,6-1,2	RH	OK	48.2 dB @ 224.00MHz	N/A	> 36.1 dB	12.1 dB
5,4-1,2	RH	OK	49.4 dB @ 211.00MHz	N/A	> 36.5 dB	12.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	18.1 dB @ 216.00MHz	N/A	> 10.6 dB	7.5 dB
3,6	DH	OK	16.4 dB @ 228.50MHz	N/A	> 10.4 dB	6.0 dB
5,4	DH	OK	17.7 dB @ 237.00MHz	N/A	> 10.2 dB	7.5 dB
1,2	DH	OK	17.0 dB @ 221.00MHz	N/A	> 10.5 dB	6.5 dB
7,8	RH	OK	16.6 dB @ 213.50MHz	N/A	> 10.7 dB	5.9 dB
3,6	RH	OK	17.6 dB @ 231.00MHz	N/A	> 10.4 dB	7.2 dB
5,4	RH	OK	19.2 dB @ 235.00MHz	N/A	> 10.3 dB	8.9 dB
1,2	RH	OK	16.9 dB @ 228.50MHz	N/A	> 10.4 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.5 dB @ 247.50MHz	N/A	< 31.0 dB	11.5 dB
3,6	OK	20.3 dB @ 249.00MHz	N/A	< 31.1 dB	10.8 dB
5,4	OK	20.1 dB @ 248.00MHz	N/A	< 31.0 dB	10.9 dB
1,2	OK	19.0 dB @ 241.50MHz	N/A	< 30.5 dB	11.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	20.7 dB @ 241.00MHz	N/A	>= 5.1 dB	15.6 dB
3,6	DH	OK	19.9 dB @ 240.00MHz	N/A	>= 5.2 dB	14.7 dB
5,4	DH	OK	29.1 dB @ 249.00MHz	N/A	>= 4.2 dB	24.9 dB
1,2	DH	OK	26.7 dB @ 239.50MHz	N/A	>= 5.2 dB	21.5 dB
7,8	RH	OK	26.4 dB @ 229.50MHz	N/A	>= 6.3 dB	20.1 dB
3,6	RH	OK	26.5 dB @ 226.50MHz	N/A	>= 6.6 dB	19.9 dB
5,4	RH	OK	26.0 dB @ 221.00MHz	N/A	>= 7.2 dB	18.8 dB
1,2	RH	OK	30.2 dB @ 238.00MHz	N/A	>= 5.4 dB	24.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0107  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:04:13  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.8 dB @ 216.50MHz	N/A	> 17.5 dB	18.3 dB
7,8-5,4	DH	OK	39.3 dB @ 249.00MHz	N/A	> 16.2 dB	23.1 dB
7,8-1,2	DH	OK	46.1 dB @ 211.00MHz	N/A	> 17.7 dB	28.4 dB
3,6-7,8	DH	OK	36.9 dB @ 183.50MHz	N/A	> 18.9 dB	18.0 dB
3,6-5,4	DH	OK	33.2 dB @ 205.00MHz	N/A	> 17.9 dB	15.3 dB
3,6-1,2	DH	OK	34.8 dB @ 236.50MHz	N/A	> 16.7 dB	18.1 dB
5,4-7,8	DH	OK	39.0 dB @ 247.50MHz	N/A	> 16.3 dB	22.7 dB
5,4-3,6	DH	OK	32.7 dB @ 203.50MHz	N/A	> 18.0 dB	14.7 dB
5,4-1,2	DH	OK	36.4 dB @ 211.50MHz	N/A	> 17.7 dB	18.7 dB
1,2-7,8	DH	OK	45.0 dB @ 226.50MHz	N/A	> 17.1 dB	27.9 dB
1,2-3,6	DH	OK	33.9 dB @ 234.00MHz	N/A	> 16.8 dB	17.1 dB
1,2-5,4	DH	OK	36.3 dB @ 205.00MHz	N/A	> 17.9 dB	18.4 dB
7,8-3,6	RH	OK	36.2 dB @ 216.50MHz	N/A	> 17.5 dB	18.7 dB
7,8-5,4	RH	OK	39.8 dB @ 250.00MHz	N/A	> 16.2 dB	23.6 dB
7,8-1,2	RH	OK	45.3 dB @ 211.00MHz	N/A	> 17.7 dB	27.6 dB
3,6-7,8	RH	OK	36.5 dB @ 183.50MHz	N/A	> 18.9 dB	17.6 dB
3,6-5,4	RH	OK	33.2 dB @ 206.50MHz	N/A	> 17.9 dB	15.3 dB
3,6-1,2	RH	OK	33.8 dB @ 234.00MHz	N/A	> 16.8 dB	17.0 dB
5,4-7,8	RH	OK	38.5 dB @ 248.00MHz	N/A	> 16.3 dB	22.2 dB
5,4-3,6	RH	OK	32.6 dB @ 205.00MHz	N/A	> 17.9 dB	14.7 dB
5,4-1,2	RH	OK	35.9 dB @ 211.50MHz	N/A	> 17.7 dB	18.2 dB
1,2-7,8	RH	OK	45.0 dB @ 226.50MHz	N/A	> 17.1 dB	27.9 dB
1,2-3,6	RH	OK	35.3 dB @ 236.50MHz	N/A	> 16.7 dB	18.6 dB
1,2-5,4	RH	OK	37.0 dB @ 210.50MHz	N/A	> 17.7 dB	19.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.3 dB @ 241.00MHz	N/A	> 32.6 dB	6.7 dB
3,6	DH	OK	38.3 dB @ 241.00MHz	N/A	> 32.6 dB	5.7 dB
5,4	DH	OK	47.2 dB @ 249.00MHz	N/A	> 32.3 dB	14.9 dB
1,2	DH	OK	44.5 dB @ 238.00MHz	N/A	> 32.7 dB	11.8 dB
7,8	RH	OK	42.2 dB @ 221.50MHz	N/A	> 33.2 dB	9.0 dB
3,6	RH	OK	44.0 dB @ 227.00MHz	N/A	> 33.0 dB	11.0 dB
5,4	RH	OK	43.9 dB @ 221.50MHz	N/A	> 33.2 dB	10.7 dB
1,2	RH	OK	47.4 dB @ 211.00MHz	N/A	> 33.5 dB	13.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	20.6 dB @ 241.00MHz	N/A	>= 2.1 dB	18.5 dB
3,6	DH	OK	18.8 dB @ 240.00MHz	N/A	>= 2.2 dB	16.6 dB
5,4	DH	OK	27.4 dB @ 249.00MHz	N/A	>= 1.2 dB	26.2 dB
1,2	DH	OK	25.9 dB @ 238.00MHz	N/A	>= 2.4 dB	23.5 dB
7,8	RH	OK	24.0 dB @ 230.00MHz	N/A	>= 3.2 dB	20.8 dB
3,6	RH	OK	24.9 dB @ 225.50MHz	N/A	>= 3.7 dB	21.2 dB
5,4	RH	OK	25.1 dB @ 248.00MHz	N/A	>= 1.4 dB	23.7 dB
1,2	RH	OK	29.4 dB @ 238.00MHz	N/A	>= 2.4 dB	27.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.5 dB @ 183.50MHz	N/A	>= 15.9 dB	20.6 dB
3,6	DH	OK	30.1 dB @ 218.50MHz	N/A	>= 14.4 dB	15.7 dB
5,4	DH	OK	31.3 dB @ 205.00MHz	N/A	>= 14.9 dB	16.4 dB
1,2	DH	OK	34.4 dB @ 226.50MHz	N/A	>= 14.1 dB	20.3 dB
7,8	RH	OK	35.0 dB @ 216.50MHz	N/A	>= 14.5 dB	20.5 dB
3,6	RH	OK	31.0 dB @ 234.00MHz	N/A	>= 13.8 dB	17.2 dB
5,4	RH	OK	30.9 dB @ 205.00MHz	N/A	>= 14.9 dB	16.0 dB
1,2	RH	OK	34.0 dB @ 226.50MHz	N/A	>= 14.1 dB	19.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

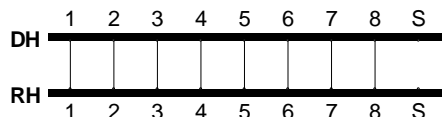
**OK**

ID cavo 1: 0108  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:05:17  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	60.1m	61.8m	63.4m	59.8m	< 90.0m	OK
Ritardo di propag.	293.6ns	301.2ns	308.5ns	292.0ns	< 510.0ns	OK
Diff. t. ritardo	16.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	98.8 Ohm	98.6 Ohm	96.0 Ohm	101.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.9 Ohm	12.5 Ohm	13.2 Ohm	12.2 Ohm	< 20.0 Ohm	OK
Capacità	47.8pF/m	47.9pF/m	49.1pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	7.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.7 dB @ 243.00MHz	N/A	> 35.5 dB	5.2 dB
7,8-5,4	DH	OK	50.8 dB @ 239.50MHz	N/A	> 35.6 dB	15.2 dB
7,8-1,2	DH	OK	57.5 dB @ 218.00MHz	N/A	> 36.3 dB	21.2 dB
3,6-5,4	DH	OK	53.7 dB @ 236.00MHz	N/A	> 35.7 dB	18.0 dB
3,6-1,2	DH	OK	45.8 dB @ 248.00MHz	N/A	> 35.4 dB	10.4 dB
5,4-1,2	DH	OK	49.2 dB @ 202.00MHz	N/A	> 36.8 dB	12.4 dB
7,8-3,6	RH	OK	45.7 dB @ 244.50MHz	N/A	> 35.5 dB	10.2 dB
7,8-5,4	RH	OK	44.5 dB @ 232.00MHz	N/A	> 35.8 dB	8.7 dB
7,8-1,2	RH	OK	57.3 dB @ 250.00MHz	N/A	> 35.3 dB	22.0 dB
3,6-5,4	RH	OK	50.4 dB @ 234.00MHz	N/A	> 35.8 dB	14.6 dB
3,6-1,2	RH	OK	46.5 dB @ 250.00MHz	N/A	> 35.3 dB	11.2 dB
5,4-1,2	RH	OK	52.9 dB @ 203.50MHz	N/A	> 36.8 dB	16.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.6 dB @ 225.50MHz	N/A	> 10.5 dB	5.1 dB
3,6	DH	OK	15.9 dB @ 227.50MHz	N/A	> 10.4 dB	5.5 dB
5,4	DH	OK	16.9 dB @ 234.50MHz	N/A	> 10.3 dB	6.6 dB
1,2	DH	OK	15.7 dB @ 221.00MHz	N/A	> 10.5 dB	5.2 dB
7,8	RH	OK	14.9 dB @ 213.50MHz	N/A	> 10.7 dB	4.2 dB
3,6	RH	OK	17.8 dB @ 225.50MHz	N/A	> 10.5 dB	7.3 dB
5,4	RH	OK	19.1 dB @ 248.00MHz	N/A	> 10.0 dB	9.1 dB
1,2	RH	OK	15.6 dB @ 227.50MHz	N/A	> 10.4 dB	5.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.4 dB @ 247.00MHz	N/A	< 30.9 dB	11.5 dB
3,6	OK	20.1 dB @ 242.50MHz	N/A	< 30.6 dB	10.5 dB
5,4	OK	20.7 dB @ 250.00MHz	N/A	< 31.2 dB	10.5 dB
1,2	OK	18.9 dB @ 245.50MHz	N/A	< 30.8 dB	11.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	21.8 dB @ 243.00MHz	N/A	>= 4.9 dB	16.9 dB
3,6	DH	OK	20.7 dB @ 242.50MHz	N/A	>= 4.9 dB	15.8 dB
5,4	DH	OK	29.2 dB @ 245.00MHz	N/A	>= 4.7 dB	24.5 dB
1,2	DH	OK	27.3 dB @ 248.00MHz	N/A	>= 4.4 dB	22.9 dB
7,8	RH	OK	25.8 dB @ 235.00MHz	N/A	>= 5.8 dB	20.0 dB
3,6	RH	OK	25.9 dB @ 244.00MHz	N/A	>= 4.8 dB	21.1 dB
5,4	RH	OK	24.2 dB @ 244.50MHz	N/A	>= 4.8 dB	19.4 dB
1,2	RH	OK	28.1 dB @ 250.00MHz	N/A	>= 4.1 dB	24.0 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0108  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:05:17  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.4 dB @ 250.00MHz	N/A	> 16.2 dB	18.2 dB
7,8-5,4	DH	OK	39.3 dB @ 250.00MHz	N/A	> 16.2 dB	23.1 dB
7,8-1,2	DH	OK	45.5 dB @ 248.50MHz	N/A	> 16.3 dB	29.2 dB
3,6-7,8	DH	OK	34.9 dB @ 240.00MHz	N/A	> 16.6 dB	18.3 dB
3,6-5,4	DH	OK	34.4 dB @ 186.00MHz	N/A	> 18.8 dB	15.6 dB
3,6-1,2	DH	OK	39.0 dB @ 230.00MHz	N/A	> 16.9 dB	22.1 dB
5,4-7,8	DH	OK	40.4 dB @ 249.50MHz	N/A	> 16.2 dB	24.2 dB
5,4-3,6	DH	OK	34.8 dB @ 181.00MHz	N/A	> 19.0 dB	15.8 dB
5,4-1,2	DH	OK	38.3 dB @ 249.00MHz	N/A	> 16.2 dB	22.1 dB
1,2-7,8	DH	OK	42.6 dB @ 238.00MHz	N/A	> 16.6 dB	26.0 dB
1,2-3,6	DH	OK	38.8 dB @ 249.50MHz	N/A	> 16.2 dB	22.6 dB
1,2-5,4	DH	OK	35.8 dB @ 250.00MHz	N/A	> 16.2 dB	19.6 dB
7,8-3,6	RH	OK	35.1 dB @ 250.00MHz	N/A	> 16.2 dB	18.9 dB
7,8-5,4	RH	OK	41.0 dB @ 250.00MHz	N/A	> 16.2 dB	24.8 dB
7,8-1,2	RH	OK	44.9 dB @ 248.50MHz	N/A	> 16.3 dB	28.6 dB
3,6-7,8	RH	OK	34.3 dB @ 235.50MHz	N/A	> 16.7 dB	17.6 dB
3,6-5,4	RH	OK	34.7 dB @ 186.00MHz	N/A	> 18.8 dB	15.9 dB
3,6-1,2	RH	OK	37.5 dB @ 238.50MHz	N/A	> 16.6 dB	20.9 dB
5,4-7,8	RH	OK	39.0 dB @ 250.00MHz	N/A	> 16.2 dB	22.8 dB
5,4-3,6	RH	OK	34.5 dB @ 181.00MHz	N/A	> 19.0 dB	15.5 dB
5,4-1,2	RH	OK	36.7 dB @ 250.00MHz	N/A	> 16.2 dB	20.5 dB
1,2-7,8	RH	OK	43.1 dB @ 243.50MHz	N/A	> 16.4 dB	26.7 dB
1,2-3,6	RH	OK	40.0 dB @ 249.50MHz	N/A	> 16.2 dB	23.8 dB
1,2-5,4	RH	OK	38.1 dB @ 250.00MHz	N/A	> 16.2 dB	21.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.5 dB @ 243.00MHz	N/A	> 32.5 dB	8.0 dB
3,6	DH	OK	40.1 dB @ 244.00MHz	N/A	> 32.5 dB	7.6 dB
5,4	DH	OK	47.4 dB @ 239.50MHz	N/A	> 32.6 dB	14.8 dB
1,2	DH	OK	44.5 dB @ 248.00MHz	N/A	> 32.4 dB	12.1 dB
7,8	RH	OK	42.1 dB @ 244.50MHz	N/A	> 32.5 dB	9.6 dB
3,6	RH	OK	42.5 dB @ 250.00MHz	N/A	> 32.3 dB	10.2 dB
5,4	RH	OK	43.5 dB @ 234.50MHz	N/A	> 32.8 dB	10.7 dB
1,2	RH	OK	45.6 dB @ 250.00MHz	N/A	> 32.3 dB	13.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.6 dB @ 242.00MHz	N/A	>= 1.9 dB	19.7 dB
3,6	DH	OK	20.1 dB @ 243.00MHz	N/A	>= 1.9 dB	18.2 dB
5,4	DH	OK	27.6 dB @ 239.50MHz	N/A	>= 2.2 dB	25.4 dB
1,2	DH	OK	26.0 dB @ 248.00MHz	N/A	>= 1.4 dB	24.6 dB
7,8	RH	OK	23.2 dB @ 244.50MHz	N/A	>= 1.8 dB	21.4 dB
3,6	RH	OK	22.8 dB @ 250.00MHz	N/A	>= 1.1 dB	21.7 dB
5,4	RH	OK	23.1 dB @ 244.50MHz	N/A	>= 1.8 dB	21.3 dB
1,2	RH	OK	27.2 dB @ 250.00MHz	N/A	>= 1.1 dB	26.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.4 dB @ 247.00MHz	N/A	>= 13.3 dB	20.1 dB
3,6	DH	OK	32.9 dB @ 250.00MHz	N/A	>= 13.2 dB	19.7 dB
5,4	DH	OK	33.4 dB @ 195.50MHz	N/A	>= 15.3 dB	18.1 dB
1,2	DH	OK	36.1 dB @ 243.50MHz	N/A	>= 13.4 dB	22.7 dB
7,8	RH	OK	33.8 dB @ 250.00MHz	N/A	>= 13.2 dB	20.6 dB
3,6	RH	OK	32.6 dB @ 238.50MHz	N/A	>= 13.6 dB	19.0 dB
5,4	RH	OK	33.5 dB @ 181.00MHz	N/A	>= 16.0 dB	17.5 dB
1,2	RH	OK	35.5 dB @ 250.00MHz	N/A	>= 13.2 dB	22.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

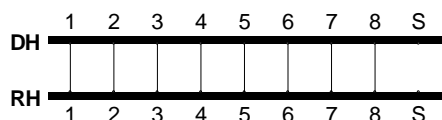
ID cavo 1: 0109  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:06:26  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	60.0m	61.5m	62.8m	59.8m	< 90.0m	OK
Ritardo di propag.	293.1ns	299.9ns	306.1ns	292.0ns	< 510.0ns	OK
Diff. t. ritardo	14.1ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.9 Ohm	97.9 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.5 Ohm	12.4 Ohm	12.9 Ohm	12.1 Ohm	< 20.0 Ohm	OK
Capacità	47.6pF/m	47.7pF/m	48.2pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	9.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.7 dB @ 245.00MHz	N/A	> 35.5 dB	7.2 dB
7,8-5,4	DH	OK	51.2 dB @ 239.00MHz	N/A	> 35.6 dB	15.6 dB
7,8-1,2	DH	OK	56.8 dB @ 249.50MHz	N/A	> 35.3 dB	21.5 dB
3,6-5,4	DH	OK	55.9 dB @ 114.50MHz	N/A	> 40.8 dB	15.1 dB
3,6-1,2	DH	OK	47.0 dB @ 236.50MHz	N/A	> 35.7 dB	11.3 dB
5,4-1,2	DH	OK	48.7 dB @ 203.50MHz	N/A	> 36.8 dB	11.9 dB
7,8-3,6	RH	OK	45.7 dB @ 233.00MHz	N/A	> 35.8 dB	9.9 dB
7,8-5,4	RH	OK	46.0 dB @ 230.00MHz	N/A	> 35.9 dB	10.1 dB
7,8-1,2	RH	OK	54.9 dB @ 245.00MHz	N/A	> 35.5 dB	19.4 dB
3,6-5,4	RH	OK	51.2 dB @ 178.50MHz	N/A	> 37.7 dB	13.5 dB
3,6-1,2	RH	OK	45.8 dB @ 226.50MHz	N/A	> 36.0 dB	9.8 dB
5,4-1,2	RH	OK	50.2 dB @ 214.50MHz	N/A	> 36.4 dB	13.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.6 dB @ 226.00MHz	N/A	> 10.4 dB	6.2 dB
3,6	DH	OK	15.4 dB @ 233.50MHz	N/A	> 10.3 dB	5.1 dB
5,4	DH	OK	17.2 dB @ 229.00MHz	N/A	> 10.4 dB	6.8 dB
1,2	DH	OK	16.9 dB @ 223.50MHz	N/A	> 10.5 dB	6.4 dB
7,8	RH	OK	15.1 dB @ 225.50MHz	N/A	> 10.5 dB	4.6 dB
3,6	RH	OK	15.0 dB @ 230.00MHz	N/A	> 10.4 dB	4.6 dB
5,4	RH	OK	18.0 dB @ 230.50MHz	N/A	> 10.4 dB	7.6 dB
1,2	RH	OK	15.7 dB @ 221.00MHz	N/A	> 10.5 dB	5.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.6 dB @ 250.00MHz	N/A	< 31.2 dB	11.6 dB
3,6	OK	20.0 dB @ 245.50MHz	N/A	< 30.8 dB	10.8 dB
5,4	OK	20.0 dB @ 246.50MHz	N/A	< 30.9 dB	10.9 dB
1,2	OK	18.9 dB @ 249.00MHz	N/A	< 31.1 dB	12.2 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	23.5 dB @ 245.00MHz	N/A	>= 4.7 dB	18.8 dB
3,6	DH	OK	22.8 dB @ 245.00MHz	N/A	>= 4.7 dB	18.1 dB
5,4	DH	OK	30.2 dB @ 244.50MHz	N/A	>= 4.8 dB	25.4 dB
1,2	DH	OK	28.7 dB @ 239.50MHz	N/A	>= 5.2 dB	23.5 dB
7,8	RH	OK	26.7 dB @ 230.00MHz	N/A	>= 6.2 dB	20.5 dB
3,6	RH	OK	26.4 dB @ 232.50MHz	N/A	>= 5.9 dB	20.5 dB
5,4	RH	OK	26.9 dB @ 230.00MHz	N/A	>= 6.2 dB	20.7 dB
1,2	RH	OK	27.8 dB @ 249.00MHz	N/A	>= 4.2 dB	23.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0109  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:06:26  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.8 dB @ 208.00MHz	N/A	> 17.8 dB	14.0 dB
7,8-5,4	DH	OK	36.4 dB @ 250.00MHz	N/A	> 16.2 dB	20.2 dB
7,8-1,2	DH	OK	38.5 dB @ 249.00MHz	N/A	> 16.2 dB	22.3 dB
3,6-7,8	DH	OK	32.3 dB @ 192.00MHz	N/A	> 18.5 dB	13.8 dB
3,6-5,4	DH	OK	32.8 dB @ 191.50MHz	N/A	> 18.5 dB	14.3 dB
3,6-1,2	DH	OK	41.9 dB @ 237.00MHz	N/A	> 16.7 dB	25.2 dB
5,4-7,8	DH	OK	35.8 dB @ 250.00MHz	N/A	> 16.2 dB	19.6 dB
5,4-3,6	DH	OK	32.5 dB @ 208.00MHz	N/A	> 17.8 dB	14.7 dB
5,4-1,2	DH	OK	37.4 dB @ 212.00MHz	N/A	> 17.6 dB	19.8 dB
1,2-7,8	DH	OK	37.9 dB @ 250.00MHz	N/A	> 16.2 dB	21.7 dB
1,2-3,6	DH	OK	41.0 dB @ 249.50MHz	N/A	> 16.2 dB	24.8 dB
1,2-5,4	DH	OK	37.1 dB @ 212.50MHz	N/A	> 17.6 dB	19.5 dB
7,8-3,6	RH	OK	32.2 dB @ 212.00MHz	N/A	> 17.6 dB	14.6 dB
7,8-5,4	RH	OK	36.5 dB @ 250.00MHz	N/A	> 16.2 dB	20.3 dB
7,8-1,2	RH	OK	37.4 dB @ 250.00MHz	N/A	> 16.2 dB	21.2 dB
3,6-7,8	RH	OK	31.9 dB @ 183.50MHz	N/A	> 18.9 dB	13.0 dB
3,6-5,4	RH	OK	33.1 dB @ 190.00MHz	N/A	> 18.6 dB	14.5 dB
3,6-1,2	RH	OK	40.2 dB @ 233.50MHz	N/A	> 16.8 dB	23.4 dB
5,4-7,8	RH	OK	35.7 dB @ 250.00MHz	N/A	> 16.2 dB	19.5 dB
5,4-3,6	RH	OK	32.5 dB @ 206.50MHz	N/A	> 17.9 dB	14.6 dB
5,4-1,2	RH	OK	36.7 dB @ 213.00MHz	N/A	> 17.6 dB	19.1 dB
1,2-7,8	RH	OK	38.6 dB @ 249.00MHz	N/A	> 16.2 dB	22.4 dB
1,2-3,6	RH	OK	42.0 dB @ 249.00MHz	N/A	> 16.2 dB	25.8 dB
1,2-5,4	RH	OK	37.8 dB @ 214.00MHz	N/A	> 17.6 dB	20.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.0 dB @ 238.50MHz	N/A	> 32.7 dB	9.3 dB
3,6	DH	OK	41.4 dB @ 238.50MHz	N/A	> 32.7 dB	8.7 dB
5,4	DH	OK	48.2 dB @ 203.50MHz	N/A	> 33.8 dB	14.4 dB
1,2	DH	OK	45.9 dB @ 239.50MHz	N/A	> 32.6 dB	13.3 dB
7,8	RH	OK	43.1 dB @ 233.00MHz	N/A	> 32.8 dB	10.3 dB
3,6	RH	OK	42.6 dB @ 232.50MHz	N/A	> 32.8 dB	9.8 dB
5,4	RH	OK	44.8 dB @ 236.00MHz	N/A	> 32.7 dB	12.1 dB
1,2	RH	OK	44.7 dB @ 212.50MHz	N/A	> 33.5 dB	11.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.2 dB @ 245.00MHz	N/A	>= 1.7 dB	21.5 dB
3,6	DH	OK	21.7 dB @ 238.50MHz	N/A	>= 2.4 dB	19.3 dB
5,4	DH	OK	28.7 dB @ 240.00MHz	N/A	>= 2.2 dB	26.5 dB
1,2	DH	OK	27.2 dB @ 239.50MHz	N/A	>= 2.2 dB	25.0 dB
7,8	RH	OK	24.0 dB @ 230.00MHz	N/A	>= 3.2 dB	20.8 dB
3,6	RH	OK	23.2 dB @ 232.50MHz	N/A	>= 2.9 dB	20.3 dB
5,4	RH	OK	25.6 dB @ 236.00MHz	N/A	>= 2.6 dB	23.0 dB
1,2	RH	OK	26.2 dB @ 249.00MHz	N/A	>= 1.2 dB	25.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.5 dB @ 192.00MHz	N/A	>= 15.5 dB	16.0 dB
3,6	DH	OK	29.0 dB @ 208.00MHz	N/A	>= 14.8 dB	14.2 dB
5,4	DH	OK	31.6 dB @ 204.00MHz	N/A	>= 15.0 dB	16.6 dB
1,2	DH	OK	35.9 dB @ 212.00MHz	N/A	>= 14.6 dB	21.3 dB
7,8	RH	OK	31.6 dB @ 208.00MHz	N/A	>= 14.8 dB	16.8 dB
3,6	RH	OK	29.3 dB @ 183.50MHz	N/A	>= 15.9 dB	13.4 dB
5,4	RH	OK	31.0 dB @ 206.50MHz	N/A	>= 14.9 dB	16.1 dB
1,2	RH	OK	35.6 dB @ 249.00MHz	N/A	>= 13.2 dB	22.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

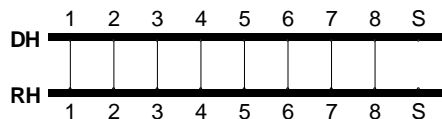
**OK**

ID cavo 1: 0110  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:07:51  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	60.0m	61.6m	63.0m	59.8m	< 90.0m	OK
Ritardo di propag.	293.2ns	300.5ns	306.7ns	291.9ns	< 510.0ns	OK
Diff. t. ritardo	14.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.6 Ohm	98.9 Ohm	97.9 Ohm	101.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.7 Ohm	12.5 Ohm	12.9 Ohm	12.4 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.7pF/m	48.2pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	8.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.3 dB @ 238.50MHz	N/A	> 35.7 dB	5.6 dB
7,8-5,4	DH	OK	53.4 dB @ 236.50MHz	N/A	> 35.7 dB	17.7 dB
7,8-1,2	DH	OK	56.7 dB @ 214.50MHz	N/A	> 36.4 dB	20.3 dB
3,6-5,4	DH	OK	54.1 dB @ 228.50MHz	N/A	> 36.0 dB	18.1 dB
3,6-1,2	DH	OK	48.0 dB @ 234.00MHz	N/A	> 35.8 dB	12.2 dB
5,4-1,2	DH	OK	48.6 dB @ 203.00MHz	N/A	> 36.8 dB	11.8 dB
7,8-3,6	RH	OK	46.5 dB @ 233.50MHz	N/A	> 35.8 dB	10.7 dB
7,8-5,4	RH	OK	45.8 dB @ 231.50MHz	N/A	> 35.9 dB	9.9 dB
7,8-1,2	RH	OK	52.5 dB @ 190.50MHz	N/A	> 37.2 dB	15.3 dB
3,6-5,4	RH	OK	51.9 dB @ 228.50MHz	N/A	> 36.0 dB	15.9 dB
3,6-1,2	RH	OK	46.4 dB @ 230.00MHz	N/A	> 35.9 dB	10.5 dB
5,4-1,2	RH	OK	50.8 dB @ 212.00MHz	N/A	> 36.5 dB	14.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 227.00MHz	N/A	> 10.4 dB	5.7 dB
3,6	DH	OK	15.7 dB @ 229.00MHz	N/A	> 10.4 dB	5.3 dB
5,4	DH	OK	16.9 dB @ 236.00MHz	N/A	> 10.3 dB	6.6 dB
1,2	DH	OK	16.4 dB @ 230.00MHz	N/A	> 10.4 dB	6.0 dB
7,8	RH	OK	15.3 dB @ 219.50MHz	N/A	> 10.6 dB	4.7 dB
3,6	RH	OK	15.1 dB @ 222.50MHz	N/A	> 10.5 dB	4.6 dB
5,4	RH	OK	19.5 dB @ 225.00MHz	N/A	> 10.5 dB	9.0 dB
1,2	RH	OK	15.0 dB @ 224.00MHz	N/A	> 10.5 dB	4.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	20.0 dB @ 222.00MHz	N/A	< 29.1 dB	9.1 dB
3,6	OK	20.2 dB @ 248.50MHz	N/A	< 31.0 dB	10.8 dB
5,4	OK	19.9 dB @ 249.00MHz	N/A	< 31.1 dB	11.2 dB
1,2	OK	19.2 dB @ 246.00MHz	N/A	< 30.9 dB	11.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	21.9 dB @ 222.00MHz	N/A	>= 7.1 dB	14.8 dB
3,6	DH	OK	21.6 dB @ 242.50MHz	N/A	>= 4.9 dB	16.7 dB
5,4	DH	OK	30.0 dB @ 240.50MHz	N/A	>= 5.2 dB	24.8 dB
1,2	DH	OK	29.7 dB @ 234.00MHz	N/A	>= 5.8 dB	23.9 dB
7,8	RH	OK	27.0 dB @ 231.50MHz	N/A	>= 6.1 dB	20.9 dB
3,6	RH	OK	26.9 dB @ 233.50MHz	N/A	>= 5.9 dB	21.0 dB
5,4	RH	OK	26.3 dB @ 239.00MHz	N/A	>= 5.3 dB	21.0 dB
1,2	RH	OK	28.1 dB @ 220.00MHz	N/A	>= 7.3 dB	20.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0110  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:07:51  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	38.5 dB @ 165.00MHz	N/A	> 19.8 dB	18.7 dB
7,8-5,4	DH	OK	40.4 dB @ 248.50MHz	N/A	> 16.3 dB	24.1 dB
7,8-1,2	DH	OK	40.7 dB @ 250.00MHz	N/A	> 16.2 dB	24.5 dB
3,6-7,8	DH	OK	38.9 dB @ 171.50MHz	N/A	> 19.5 dB	19.4 dB
3,6-5,4	DH	OK	37.6 dB @ 160.50MHz	N/A	> 20.0 dB	17.6 dB
3,6-1,2	DH	OK	35.3 dB @ 220.00MHz	N/A	> 17.3 dB	18.0 dB
5,4-7,8	DH	OK	40.2 dB @ 250.00MHz	N/A	> 16.2 dB	24.0 dB
5,4-3,6	DH	OK	37.6 dB @ 175.00MHz	N/A	> 19.3 dB	18.3 dB
5,4-1,2	DH	OK	40.9 dB @ 250.00MHz	N/A	> 16.2 dB	24.7 dB
1,2-7,8	DH	OK	38.9 dB @ 244.50MHz	N/A	> 16.4 dB	22.5 dB
1,2-3,6	DH	OK	34.6 dB @ 229.00MHz	N/A	> 17.0 dB	17.6 dB
1,2-5,4	DH	OK	39.3 dB @ 208.50MHz	N/A	> 17.8 dB	21.5 dB
7,8-3,6	RH	OK	38.9 dB @ 156.00MHz	N/A	> 20.3 dB	18.6 dB
7,8-5,4	RH	OK	40.8 dB @ 244.50MHz	N/A	> 16.4 dB	24.4 dB
7,8-1,2	RH	OK	40.0 dB @ 250.00MHz	N/A	> 16.2 dB	23.8 dB
3,6-7,8	RH	OK	38.1 dB @ 170.50MHz	N/A	> 19.5 dB	18.6 dB
3,6-5,4	RH	OK	37.4 dB @ 160.50MHz	N/A	> 20.0 dB	17.4 dB
3,6-1,2	RH	OK	34.6 dB @ 226.00MHz	N/A	> 17.1 dB	17.5 dB
5,4-7,8	RH	OK	39.9 dB @ 249.00MHz	N/A	> 16.2 dB	23.7 dB
5,4-3,6	RH	OK	37.8 dB @ 173.50MHz	N/A	> 19.4 dB	18.4 dB
5,4-1,2	RH	OK	39.7 dB @ 248.50MHz	N/A	> 16.3 dB	23.4 dB
1,2-7,8	RH	OK	39.1 dB @ 238.50MHz	N/A	> 16.6 dB	22.5 dB
1,2-3,6	RH	OK	35.1 dB @ 220.00MHz	N/A	> 17.3 dB	17.8 dB
1,2-5,4	RH	OK	40.2 dB @ 209.00MHz	N/A	> 17.8 dB	22.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.1 dB @ 238.50MHz	N/A	> 32.7 dB	8.4 dB
3,6	DH	OK	40.4 dB @ 238.50MHz	N/A	> 32.7 dB	7.7 dB
5,4	DH	OK	47.8 dB @ 236.50MHz	N/A	> 32.7 dB	15.1 dB
1,2	DH	OK	45.6 dB @ 203.00MHz	N/A	> 33.8 dB	11.8 dB
7,8	RH	OK	43.4 dB @ 231.00MHz	N/A	> 32.9 dB	10.5 dB
3,6	RH	OK	43.7 dB @ 235.00MHz	N/A	> 32.8 dB	10.9 dB
5,4	RH	OK	44.8 dB @ 239.50MHz	N/A	> 32.6 dB	12.2 dB
1,2	RH	OK	45.7 dB @ 213.00MHz	N/A	> 33.5 dB	12.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.8 dB @ 222.00MHz	N/A	>= 4.1 dB	17.7 dB
3,6	DH	OK	20.8 dB @ 238.50MHz	N/A	>= 2.4 dB	18.4 dB
5,4	DH	OK	28.2 dB @ 236.50MHz	N/A	>= 2.5 dB	25.7 dB
1,2	DH	OK	27.4 dB @ 236.00MHz	N/A	>= 2.6 dB	24.8 dB
7,8	RH	OK	24.7 dB @ 231.50MHz	N/A	>= 3.1 dB	21.6 dB
3,6	RH	OK	24.3 dB @ 230.00MHz	N/A	>= 3.2 dB	21.1 dB
5,4	RH	OK	25.0 dB @ 239.00MHz	N/A	>= 2.3 dB	22.7 dB
1,2	RH	OK	27.2 dB @ 220.00MHz	N/A	>= 4.3 dB	22.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.7 dB @ 250.00MHz	N/A	>= 13.2 dB	23.5 dB
3,6	DH	OK	32.8 dB @ 182.00MHz	N/A	>= 16.0 dB	16.8 dB
5,4	DH	OK	35.5 dB @ 249.00MHz	N/A	>= 13.2 dB	22.3 dB
1,2	DH	OK	33.9 dB @ 220.00MHz	N/A	>= 14.3 dB	19.6 dB
7,8	RH	OK	36.3 dB @ 222.00MHz	N/A	>= 14.2 dB	22.1 dB
3,6	RH	OK	33.4 dB @ 170.50MHz	N/A	>= 16.5 dB	16.9 dB
5,4	RH	OK	35.6 dB @ 249.00MHz	N/A	>= 13.2 dB	22.4 dB
1,2	RH	OK	33.6 dB @ 220.00MHz	N/A	>= 14.3 dB	19.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

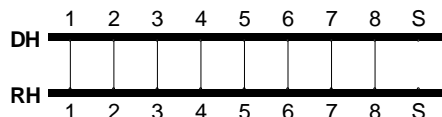
ID cavo 1: 0111  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:08:57  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	60.4m	61.8m	62.9m	60.1m	< 90.0m	OK
Ritardo di propag.	294.6ns	301.4ns	306.4ns	293.5ns	< 510.0ns	OK
Diff. t. ritardo	12.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.0 Ohm	98.5 Ohm	100.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.0 Ohm	13.1 Ohm	13.2 Ohm	12.2 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.7pF/m	47.9pF/m	47.3pF/m	< 66.0pF/m	OK
Riserva	7.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.3 dB @ 232.50MHz	N/A	> 35.8 dB	4.5 dB
7,8-5,4	DH	OK	51.4 dB @ 231.00MHz	N/A	> 35.9 dB	15.5 dB
7,8-1,2	DH	OK	59.4 dB @ 182.00MHz	N/A	> 37.6 dB	21.8 dB
3,6-5,4	DH	OK	53.2 dB @ 163.50MHz	N/A	> 38.3 dB	14.9 dB
3,6-1,2	DH	OK	46.8 dB @ 230.50MHz	N/A	> 35.9 dB	10.9 dB
5,4-1,2	DH	OK	48.6 dB @ 247.00MHz	N/A	> 35.4 dB	13.2 dB
7,8-3,6	RH	OK	47.0 dB @ 223.50MHz	N/A	> 36.1 dB	10.9 dB
7,8-5,4	RH	OK	46.7 dB @ 228.00MHz	N/A	> 36.0 dB	10.7 dB
7,8-1,2	RH	OK	51.6 dB @ 195.00MHz	N/A	> 37.1 dB	14.5 dB
3,6-5,4	RH	OK	51.5 dB @ 248.50MHz	N/A	> 35.4 dB	16.1 dB
3,6-1,2	RH	OK	47.0 dB @ 237.00MHz	N/A	> 35.7 dB	11.3 dB
5,4-1,2	RH	OK	51.7 dB @ 204.50MHz	N/A	> 36.7 dB	15.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.6 dB @ 226.00MHz	N/A	> 10.4 dB	5.2 dB
3,6	DH	OK	16.5 dB @ 232.00MHz	N/A	> 10.3 dB	6.2 dB
5,4	DH	OK	17.8 dB @ 228.00MHz	N/A	> 10.4 dB	7.4 dB
1,2	DH	OK	18.5 dB @ 216.50MHz	N/A	> 10.6 dB	7.9 dB
7,8	RH	OK	16.3 dB @ 233.00MHz	N/A	> 10.3 dB	6.0 dB
3,6	RH	OK	15.3 dB @ 225.00MHz	N/A	> 10.5 dB	4.8 dB
5,4	RH	OK	18.4 dB @ 224.50MHz	N/A	> 10.5 dB	7.9 dB
1,2	RH	OK	14.4 dB @ 222.00MHz	N/A	> 10.5 dB	3.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.5 dB @ 247.00MHz	N/A	< 30.9 dB	11.4 dB
3,6	OK	20.0 dB @ 250.00MHz	N/A	< 31.2 dB	11.2 dB
5,4	OK	19.8 dB @ 248.50MHz	N/A	< 31.0 dB	11.2 dB
1,2	OK	19.4 dB @ 238.00MHz	N/A	< 30.3 dB	10.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	21.6 dB @ 241.00MHz	N/A	>= 5.1 dB	16.5 dB
3,6	DH	OK	20.5 dB @ 232.50MHz	N/A	>= 5.9 dB	14.6 dB
5,4	DH	OK	29.2 dB @ 246.00MHz	N/A	>= 4.5 dB	24.7 dB
1,2	DH	OK	28.3 dB @ 231.00MHz	N/A	>= 6.1 dB	22.2 dB
7,8	RH	OK	28.4 dB @ 223.50MHz	N/A	>= 6.9 dB	21.5 dB
3,6	RH	OK	27.5 dB @ 237.00MHz	N/A	>= 5.5 dB	22.0 dB
5,4	RH	OK	28.2 dB @ 228.00MHz	N/A	>= 6.5 dB	21.7 dB
1,2	RH	OK	28.3 dB @ 233.00MHz	N/A	>= 5.9 dB	22.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0111  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:08:57  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.1 dB @ 225.50MHz	N/A	> 17.1 dB	16.0 dB
7,8-5,4	DH	OK	38.7 dB @ 248.50MHz	N/A	> 16.3 dB	22.4 dB
7,8-1,2	DH	OK	43.8 dB @ 248.50MHz	N/A	> 16.3 dB	27.5 dB
3,6-7,8	DH	OK	33.7 dB @ 184.50MHz	N/A	> 18.8 dB	14.9 dB
3,6-5,4	DH	OK	31.0 dB @ 203.50MHz	N/A	> 18.0 dB	13.0 dB
3,6-1,2	DH	OK	36.2 dB @ 230.00MHz	N/A	> 16.9 dB	19.3 dB
5,4-7,8	DH	OK	38.8 dB @ 247.00MHz	N/A	> 16.3 dB	22.5 dB
5,4-3,6	DH	OK	30.9 dB @ 210.00MHz	N/A	> 17.7 dB	13.2 dB
5,4-1,2	DH	OK	41.7 dB @ 149.00MHz	N/A	> 20.7 dB	21.0 dB
1,2-7,8	DH	OK	44.8 dB @ 229.00MHz	N/A	> 17.0 dB	27.8 dB
1,2-3,6	DH	OK	37.2 dB @ 231.00MHz	N/A	> 16.9 dB	20.3 dB
1,2-5,4	DH	OK	41.2 dB @ 144.00MHz	N/A	> 21.0 dB	20.2 dB
7,8-3,6	RH	OK	33.5 dB @ 224.50MHz	N/A	> 17.1 dB	16.4 dB
7,8-5,4	RH	OK	39.1 dB @ 246.00MHz	N/A	> 16.3 dB	22.8 dB
7,8-1,2	RH	OK	43.7 dB @ 247.00MHz	N/A	> 16.3 dB	27.4 dB
3,6-7,8	RH	OK	32.9 dB @ 183.50MHz	N/A	> 18.9 dB	14.0 dB
3,6-5,4	RH	OK	31.1 dB @ 197.00MHz	N/A	> 18.3 dB	12.8 dB
3,6-1,2	RH	OK	35.5 dB @ 232.50MHz	N/A	> 16.8 dB	18.7 dB
5,4-7,8	RH	OK	38.6 dB @ 248.50MHz	N/A	> 16.3 dB	22.3 dB
5,4-3,6	RH	OK	30.8 dB @ 203.50MHz	N/A	> 18.0 dB	12.8 dB
5,4-1,2	RH	OK	41.3 dB @ 145.50MHz	N/A	> 20.9 dB	20.4 dB
1,2-7,8	RH	OK	44.9 dB @ 244.50MHz	N/A	> 16.4 dB	28.5 dB
1,2-3,6	RH	OK	38.1 dB @ 231.00MHz	N/A	> 16.9 dB	21.2 dB
1,2-5,4	RH	OK	41.5 dB @ 144.00MHz	N/A	> 21.0 dB	20.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.0 dB @ 232.50MHz	N/A	> 32.8 dB	7.2 dB
3,6	DH	OK	39.6 dB @ 232.50MHz	N/A	> 32.8 dB	6.8 dB
5,4	DH	OK	48.1 dB @ 247.00MHz	N/A	> 32.4 dB	15.7 dB
1,2	DH	OK	45.8 dB @ 248.50MHz	N/A	> 32.4 dB	13.4 dB
7,8	RH	OK	44.3 dB @ 223.50MHz	N/A	> 33.1 dB	11.2 dB
3,6	RH	OK	44.6 dB @ 227.50MHz	N/A	> 33.0 dB	11.6 dB
5,4	RH	OK	45.7 dB @ 228.00MHz	N/A	> 33.0 dB	12.7 dB
1,2	RH	OK	45.6 dB @ 237.00MHz	N/A	> 32.7 dB	12.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.4 dB @ 229.00MHz	N/A	>= 3.3 dB	18.1 dB
3,6	DH	OK	19.8 dB @ 232.50MHz	N/A	>= 2.9 dB	16.9 dB
5,4	DH	OK	28.7 dB @ 246.50MHz	N/A	>= 1.5 dB	27.2 dB
1,2	DH	OK	26.5 dB @ 248.50MHz	N/A	>= 1.4 dB	25.1 dB
7,8	RH	OK	25.6 dB @ 239.00MHz	N/A	>= 2.3 dB	23.3 dB
3,6	RH	OK	25.1 dB @ 232.50MHz	N/A	>= 2.9 dB	22.2 dB
5,4	RH	OK	27.0 dB @ 239.50MHz	N/A	>= 2.2 dB	24.8 dB
1,2	RH	OK	27.0 dB @ 233.00MHz	N/A	>= 2.9 dB	24.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.3 dB @ 226.50MHz	N/A	>= 14.1 dB	19.2 dB
3,6	DH	OK	28.5 dB @ 219.00MHz	N/A	>= 14.4 dB	14.1 dB
5,4	DH	OK	30.6 dB @ 203.50MHz	N/A	>= 15.0 dB	15.6 dB
1,2	DH	OK	35.9 dB @ 230.00MHz	N/A	>= 13.9 dB	22.0 dB
7,8	RH	OK	33.0 dB @ 224.50MHz	N/A	>= 14.1 dB	18.9 dB
3,6	RH	OK	28.8 dB @ 190.50MHz	N/A	>= 15.6 dB	13.2 dB
5,4	RH	OK	30.4 dB @ 203.50MHz	N/A	>= 15.0 dB	15.4 dB
1,2	RH	OK	37.1 dB @ 230.00MHz	N/A	>= 13.9 dB	23.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

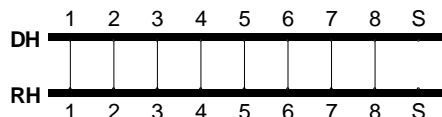
ID cavo 1: 0112  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:09:59  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	60.0m	61.6m	63.3m	59.6m	< 90.0m	OK
Ritardo di propag.	293.1ns	300.2ns	308.2ns	291.3ns	< 510.0ns	OK
Diff. t. ritardo	16.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.3 Ohm	96.5 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.7 Ohm	12.5 Ohm	13.1 Ohm	12.1 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.5pF/m	48.9pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	9.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.1 dB @ 235.50MHz	N/A	> 35.7 dB	5.4 dB
7,8-5,4	DH	OK	54.4 dB @ 229.50MHz	N/A	> 35.9 dB	18.5 dB
7,8-1,2	DH	OK	60.6 dB @ 235.00MHz	N/A	> 35.8 dB	24.8 dB
3,6-5,4	DH	OK	53.4 dB @ 171.00MHz	N/A	> 38.0 dB	15.4 dB
3,6-1,2	DH	OK	46.9 dB @ 250.00MHz	N/A	> 35.3 dB	11.6 dB
5,4-1,2	DH	OK	50.4 dB @ 200.00MHz	N/A	> 36.9 dB	13.5 dB
7,8-3,6	RH	OK	45.4 dB @ 175.00MHz	N/A	> 37.9 dB	7.5 dB
7,8-5,4	RH	OK	49.1 dB @ 240.50MHz	N/A	> 35.6 dB	13.5 dB
7,8-1,2	RH	OK	52.8 dB @ 203.00MHz	N/A	> 36.8 dB	16.0 dB
3,6-5,4	RH	OK	52.8 dB @ 230.00MHz	N/A	> 35.9 dB	16.9 dB
3,6-1,2	RH	OK	48.8 dB @ 248.50MHz	N/A	> 35.4 dB	13.4 dB
5,4-1,2	RH	OK	49.9 dB @ 208.50MHz	N/A	> 36.6 dB	13.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.1 dB @ 224.00MHz	N/A	> 10.5 dB	4.6 dB
3,6	DH	OK	16.8 dB @ 234.50MHz	N/A	> 10.3 dB	6.5 dB
5,4	DH	OK	17.1 dB @ 230.50MHz	N/A	> 10.4 dB	6.7 dB
1,2	DH	OK	17.3 dB @ 225.50MHz	N/A	> 10.5 dB	6.8 dB
7,8	RH	OK	13.6 dB @ 220.50MHz	N/A	> 10.6 dB	3.0 dB
3,6	RH	OK	15.6 dB @ 226.00MHz	N/A	> 10.4 dB	5.2 dB
5,4	RH	OK	18.1 dB @ 224.00MHz	N/A	> 10.5 dB	7.6 dB
1,2	RH	OK	16.4 dB @ 233.50MHz	N/A	> 10.3 dB	6.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.0 dB @ 248.00MHz	N/A	< 31.0 dB	12.0 dB
3,6	OK	19.7 dB @ 244.50MHz	N/A	< 30.7 dB	11.0 dB
5,4	OK	20.3 dB @ 243.50MHz	N/A	< 30.7 dB	10.4 dB
1,2	OK	18.7 dB @ 249.50MHz	N/A	< 31.1 dB	12.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.8 dB @ 234.00MHz	N/A	>= 5.8 dB	17.0 dB
3,6	DH	OK	21.9 dB @ 234.50MHz	N/A	>= 5.8 dB	16.1 dB
5,4	DH	OK	30.7 dB @ 242.50MHz	N/A	>= 4.9 dB	25.8 dB
1,2	DH	OK	28.5 dB @ 249.50MHz	N/A	>= 4.2 dB	24.3 dB
7,8	RH	OK	29.9 dB @ 223.50MHz	N/A	>= 6.9 dB	23.0 dB
3,6	RH	OK	29.2 dB @ 175.00MHz	N/A	>= 12.5 dB	16.7 dB
5,4	RH	OK	29.5 dB @ 240.50MHz	N/A	>= 5.2 dB	24.3 dB
1,2	RH	OK	30.2 dB @ 249.00MHz	N/A	>= 4.2 dB	26.0 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0112  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:09:59  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.7 dB @ 250.00MHz	N/A	> 16.2 dB	19.5 dB
7,8-5,4	DH	OK	38.5 dB @ 248.00MHz	N/A	> 16.3 dB	22.2 dB
7,8-1,2	DH	OK	43.6 dB @ 117.50MHz	N/A	> 22.7 dB	20.9 dB
3,6-7,8	DH	OK	35.7 dB @ 174.00MHz	N/A	> 19.3 dB	16.4 dB
3,6-5,4	DH	OK	34.2 dB @ 187.50MHz	N/A	> 18.7 dB	15.5 dB
3,6-1,2	DH	OK	39.5 dB @ 216.00MHz	N/A	> 17.5 dB	22.0 dB
5,4-7,8	DH	OK	39.8 dB @ 248.50MHz	N/A	> 16.3 dB	23.5 dB
5,4-3,6	DH	OK	34.0 dB @ 179.50MHz	N/A	> 19.1 dB	14.9 dB
5,4-1,2	DH	OK	37.4 dB @ 200.50MHz	N/A	> 18.1 dB	19.3 dB
1,2-7,8	DH	OK	43.6 dB @ 113.50MHz	N/A	> 23.0 dB	20.6 dB
1,2-3,6	DH	OK	39.0 dB @ 229.00MHz	N/A	> 17.0 dB	22.0 dB
1,2-5,4	DH	OK	35.8 dB @ 199.50MHz	N/A	> 18.2 dB	17.6 dB
7,8-3,6	RH	OK	36.1 dB @ 157.50MHz	N/A	> 20.2 dB	15.9 dB
7,8-5,4	RH	OK	39.7 dB @ 248.00MHz	N/A	> 16.3 dB	23.4 dB
7,8-1,2	RH	OK	43.3 dB @ 112.50MHz	N/A	> 23.1 dB	20.2 dB
3,6-7,8	RH	OK	35.2 dB @ 172.50MHz	N/A	> 19.4 dB	15.8 dB
3,6-5,4	RH	OK	34.8 dB @ 190.50MHz	N/A	> 18.6 dB	16.2 dB
3,6-1,2	RH	OK	38.3 dB @ 230.00MHz	N/A	> 16.9 dB	21.4 dB
5,4-7,8	RH	OK	38.5 dB @ 247.50MHz	N/A	> 16.3 dB	22.2 dB
5,4-3,6	RH	OK	33.9 dB @ 187.50MHz	N/A	> 18.7 dB	15.2 dB
5,4-1,2	RH	OK	35.9 dB @ 200.00MHz	N/A	> 18.1 dB	17.8 dB
1,2-7,8	RH	OK	44.0 dB @ 117.50MHz	N/A	> 22.7 dB	21.3 dB
1,2-3,6	RH	OK	39.8 dB @ 225.50MHz	N/A	> 17.1 dB	22.7 dB
1,2-5,4	RH	OK	37.1 dB @ 196.50MHz	N/A	> 18.3 dB	18.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.0 dB @ 235.50MHz	N/A	> 32.7 dB	8.3 dB
3,6	DH	OK	40.3 dB @ 232.00MHz	N/A	> 32.8 dB	7.5 dB
5,4	DH	OK	49.2 dB @ 200.00MHz	N/A	> 33.9 dB	15.3 dB
1,2	DH	OK	45.4 dB @ 250.00MHz	N/A	> 32.3 dB	13.1 dB
7,8	RH	OK	44.5 dB @ 175.00MHz	N/A	> 34.9 dB	9.6 dB
3,6	RH	OK	44.5 dB @ 175.00MHz	N/A	> 34.9 dB	9.6 dB
5,4	RH	OK	46.6 dB @ 250.00MHz	N/A	> 32.3 dB	14.3 dB
1,2	RH	OK	46.4 dB @ 248.50MHz	N/A	> 32.4 dB	14.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	22.7 dB @ 234.00MHz	N/A	>= 2.8 dB	19.9 dB
3,6	DH	OK	21.2 dB @ 232.00MHz	N/A	>= 3.0 dB	18.2 dB
5,4	DH	OK	30.0 dB @ 250.00MHz	N/A	>= 1.1 dB	28.9 dB
1,2	DH	OK	27.0 dB @ 249.50MHz	N/A	>= 1.2 dB	25.8 dB
7,8	RH	OK	27.5 dB @ 236.50MHz	N/A	>= 2.5 dB	25.0 dB
3,6	RH	OK	25.7 dB @ 248.50MHz	N/A	>= 1.4 dB	24.3 dB
5,4	RH	OK	26.6 dB @ 250.00MHz	N/A	>= 1.1 dB	25.5 dB
1,2	RH	OK	27.8 dB @ 249.00MHz	N/A	>= 1.2 dB	26.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.5 dB @ 249.50MHz	N/A	>= 13.2 dB	21.3 dB
3,6	DH	OK	31.8 dB @ 179.50MHz	N/A	>= 16.1 dB	15.7 dB
5,4	DH	OK	32.1 dB @ 200.00MHz	N/A	>= 15.1 dB	17.0 dB
1,2	DH	OK	36.1 dB @ 200.50MHz	N/A	>= 15.1 dB	21.0 dB
7,8	RH	OK	34.7 dB @ 250.00MHz	N/A	>= 13.2 dB	21.5 dB
3,6	RH	OK	31.7 dB @ 179.50MHz	N/A	>= 16.1 dB	15.6 dB
5,4	RH	OK	32.0 dB @ 200.00MHz	N/A	>= 15.1 dB	16.9 dB
1,2	RH	OK	36.1 dB @ 200.50MHz	N/A	>= 15.1 dB	21.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

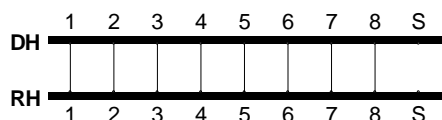
ID cavo 1: 0113  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:11:23  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.3m	50.5m	51.7m	49.2m	< 90.0m	OK
Ritardo di propag.	243.5ns	249.0ns	254.6ns	242.8ns	< 510.0ns	OK
Diff. t. ritardo	11.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.3 Ohm	98.5 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.5 Ohm	9.9 Ohm	10.8 Ohm	9.5 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.5pF/m	48.0pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	6.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.3 dB @ 234.00MHz	N/A	> 35.8 dB	4.5 dB
7,8-5,4	DH	OK	51.9 dB @ 244.00MHz	N/A	> 35.5 dB	16.4 dB
7,8-1,2	DH	OK	58.7 dB @ 232.00MHz	N/A	> 35.8 dB	22.9 dB
3,6-5,4	DH	OK	53.1 dB @ 239.50MHz	N/A	> 35.6 dB	17.5 dB
3,6-1,2	DH	OK	44.4 dB @ 247.00MHz	N/A	> 35.4 dB	9.0 dB
5,4-1,2	DH	OK	48.3 dB @ 249.50MHz	N/A	> 35.3 dB	13.0 dB
7,8-3,6	RH	OK	47.4 dB @ 249.00MHz	N/A	> 35.3 dB	12.1 dB
7,8-5,4	RH	OK	46.5 dB @ 237.50MHz	N/A	> 35.7 dB	10.8 dB
7,8-1,2	RH	OK	52.1 dB @ 165.00MHz	N/A	> 38.3 dB	13.8 dB
3,6-5,4	RH	OK	49.2 dB @ 232.00MHz	N/A	> 35.8 dB	13.4 dB
3,6-1,2	RH	OK	49.5 dB @ 176.50MHz	N/A	> 37.8 dB	11.7 dB
5,4-1,2	RH	OK	52.2 dB @ 207.50MHz	N/A	> 36.6 dB	15.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.2 dB @ 220.50MHz	N/A	> 10.6 dB	5.6 dB
3,6	DH	OK	17.0 dB @ 227.00MHz	N/A	> 10.4 dB	6.6 dB
5,4	DH	OK	17.7 dB @ 228.50MHz	N/A	> 10.4 dB	7.3 dB
1,2	DH	OK	17.3 dB @ 166.50MHz	N/A	> 11.8 dB	5.5 dB
7,8	RH	OK	15.9 dB @ 220.50MHz	N/A	> 10.6 dB	5.3 dB
3,6	RH	OK	17.0 dB @ 225.50MHz	N/A	> 10.5 dB	6.5 dB
5,4	RH	OK	18.2 dB @ 232.50MHz	N/A	> 10.3 dB	7.9 dB
1,2	RH	OK	15.7 dB @ 216.50MHz	N/A	> 10.6 dB	5.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.7 dB @ 245.50MHz	N/A	< 30.8 dB	15.1 dB
3,6	OK	16.5 dB @ 245.00MHz	N/A	< 30.8 dB	14.3 dB
5,4	OK	16.3 dB @ 246.50MHz	N/A	< 30.9 dB	14.6 dB
1,2	OK	15.5 dB @ 244.50MHz	N/A	< 30.7 dB	15.2 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.9 dB @ 239.00MHz	N/A	>= 5.3 dB	19.6 dB
3,6	DH	OK	24.4 dB @ 245.00MHz	N/A	>= 4.7 dB	19.7 dB
5,4	DH	OK	32.6 dB @ 248.50MHz	N/A	>= 4.4 dB	28.2 dB
1,2	DH	OK	29.7 dB @ 248.00MHz	N/A	>= 4.4 dB	25.3 dB
7,8	RH	OK	31.5 dB @ 237.00MHz	N/A	>= 5.5 dB	26.0 dB
3,6	RH	OK	31.5 dB @ 226.50MHz	N/A	>= 6.6 dB	24.9 dB
5,4	RH	OK	30.3 dB @ 237.50MHz	N/A	>= 5.5 dB	24.8 dB
1,2	RH	OK	36.3 dB @ 247.50MHz	N/A	>= 4.4 dB	31.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0113  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:11:23  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.7 dB @ 226.50MHz	N/A	> 17.1 dB	13.6 dB
7,8-5,4	DH	OK	40.4 dB @ 222.50MHz	N/A	> 17.2 dB	23.2 dB
7,8-1,2	DH	OK	40.9 dB @ 244.50MHz	N/A	> 16.4 dB	24.5 dB
3,6-7,8	DH	OK	31.4 dB @ 229.50MHz	N/A	> 16.9 dB	14.5 dB
3,6-5,4	DH	OK	33.7 dB @ 204.00MHz	N/A	> 18.0 dB	15.7 dB
3,6-1,2	DH	OK	36.2 dB @ 234.50MHz	N/A	> 16.8 dB	19.4 dB
5,4-7,8	DH	OK	40.0 dB @ 229.00MHz	N/A	> 17.0 dB	23.0 dB
5,4-3,6	DH	OK	32.8 dB @ 226.50MHz	N/A	> 17.1 dB	15.7 dB
5,4-1,2	DH	OK	37.7 dB @ 244.50MHz	N/A	> 16.4 dB	21.3 dB
1,2-7,8	DH	OK	42.6 dB @ 226.50MHz	N/A	> 17.1 dB	25.5 dB
1,2-3,6	DH	OK	36.6 dB @ 226.50MHz	N/A	> 17.1 dB	19.5 dB
1,2-5,4	DH	OK	37.4 dB @ 248.50MHz	N/A	> 16.3 dB	21.1 dB
7,8-3,6	RH	OK	32.6 dB @ 225.00MHz	N/A	> 17.1 dB	15.5 dB
7,8-5,4	RH	OK	41.0 dB @ 225.00MHz	N/A	> 17.1 dB	23.9 dB
7,8-1,2	RH	OK	41.1 dB @ 245.50MHz	N/A	> 16.4 dB	24.7 dB
3,6-7,8	RH	OK	30.4 dB @ 226.50MHz	N/A	> 17.1 dB	13.3 dB
3,6-5,4	RH	OK	33.5 dB @ 204.00MHz	N/A	> 18.0 dB	15.5 dB
3,6-1,2	RH	OK	34.5 dB @ 226.50MHz	N/A	> 17.1 dB	17.4 dB
5,4-7,8	RH	OK	39.5 dB @ 227.50MHz	N/A	> 17.0 dB	22.5 dB
5,4-3,6	RH	OK	33.8 dB @ 217.00MHz	N/A	> 17.4 dB	16.4 dB
5,4-1,2	RH	OK	36.8 dB @ 246.50MHz	N/A	> 16.3 dB	20.5 dB
1,2-7,8	RH	OK	42.5 dB @ 234.50MHz	N/A	> 16.8 dB	25.7 dB
1,2-3,6	RH	OK	38.3 dB @ 222.50MHz	N/A	> 17.2 dB	21.1 dB
1,2-5,4	RH	OK	38.0 dB @ 244.50MHz	N/A	> 16.4 dB	21.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.1 dB @ 234.00MHz	N/A	> 32.8 dB	7.3 dB
3,6	DH	OK	39.2 dB @ 246.00MHz	N/A	> 32.4 dB	6.8 dB
5,4	DH	OK	46.4 dB @ 248.50MHz	N/A	> 32.4 dB	14.0 dB
1,2	DH	OK	43.2 dB @ 249.50MHz	N/A	> 32.3 dB	10.9 dB
7,8	RH	OK	44.4 dB @ 237.00MHz	N/A	> 32.7 dB	11.7 dB
3,6	RH	OK	45.0 dB @ 247.50MHz	N/A	> 32.4 dB	12.6 dB
5,4	RH	OK	45.3 dB @ 238.00MHz	N/A	> 32.7 dB	12.6 dB
1,2	RH	OK	48.1 dB @ 176.50MHz	N/A	> 34.8 dB	13.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.7 dB @ 239.00MHz	N/A	>= 2.3 dB	22.4 dB
3,6	DH	OK	23.0 dB @ 245.00MHz	N/A	>= 1.7 dB	21.3 dB
5,4	DH	OK	30.7 dB @ 248.50MHz	N/A	>= 1.4 dB	29.3 dB
1,2	DH	OK	28.3 dB @ 248.00MHz	N/A	>= 1.4 dB	26.9 dB
7,8	RH	OK	29.2 dB @ 239.00MHz	N/A	>= 2.3 dB	26.9 dB
3,6	RH	OK	28.7 dB @ 226.50MHz	N/A	>= 3.6 dB	25.1 dB
5,4	RH	OK	29.1 dB @ 237.50MHz	N/A	>= 2.5 dB	26.6 dB
1,2	RH	OK	33.8 dB @ 248.00MHz	N/A	>= 1.4 dB	32.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.6 dB @ 229.50MHz	N/A	>= 13.9 dB	16.7 dB
3,6	DH	OK	27.9 dB @ 226.50MHz	N/A	>= 14.1 dB	13.8 dB
5,4	DH	OK	32.4 dB @ 246.50MHz	N/A	>= 13.3 dB	19.1 dB
1,2	DH	OK	33.2 dB @ 244.50MHz	N/A	>= 13.4 dB	19.8 dB
7,8	RH	OK	31.7 dB @ 225.00MHz	N/A	>= 14.1 dB	17.6 dB
3,6	RH	OK	27.8 dB @ 226.50MHz	N/A	>= 14.1 dB	13.7 dB
5,4	RH	OK	32.0 dB @ 237.50MHz	N/A	>= 13.7 dB	18.3 dB
1,2	RH	OK	35.4 dB @ 248.50MHz	N/A	>= 13.3 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

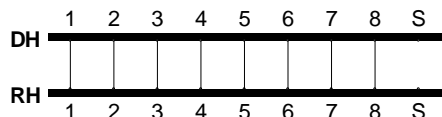
## OK

ID cavo 1: 0114  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:13:40  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.2m	50.5m	51.7m	49.1m	< 90.0m	OK
Ritardo di propag.	242.9ns	248.8ns	254.5ns	242.7ns	< 510.0ns	OK
Diff. t. ritardo	11.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.7 Ohm	98.6 Ohm	101.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.5 Ohm	9.9 Ohm	11.5 Ohm	9.5 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.3pF/m	47.9pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	7.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.5 dB @ 248.50MHz	N/A	> 35.4 dB	5.1 dB
7,8-5,4	DH	OK	51.4 dB @ 226.00MHz	N/A	> 36.0 dB	15.4 dB
7,8-1,2	DH	OK	61.5 dB @ 232.00MHz	N/A	> 35.8 dB	25.7 dB
3,6-5,4	DH	OK	54.1 dB @ 228.50MHz	N/A	> 36.0 dB	18.1 dB
3,6-1,2	DH	OK	45.2 dB @ 240.50MHz	N/A	> 35.6 dB	9.6 dB
5,4-1,2	DH	OK	50.2 dB @ 248.00MHz	N/A	> 35.4 dB	14.8 dB
7,8-3,6	RH	OK	44.5 dB @ 249.50MHz	N/A	> 35.3 dB	9.2 dB
7,8-5,4	RH	OK	46.7 dB @ 240.50MHz	N/A	> 35.6 dB	11.1 dB
7,8-1,2	RH	OK	53.4 dB @ 210.00MHz	N/A	> 36.6 dB	16.8 dB
3,6-5,4	RH	OK	51.3 dB @ 232.50MHz	N/A	> 35.8 dB	15.5 dB
3,6-1,2	RH	OK	47.9 dB @ 232.00MHz	N/A	> 35.8 dB	12.1 dB
5,4-1,2	RH	OK	51.1 dB @ 248.50MHz	N/A	> 35.4 dB	15.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 221.50MHz	N/A	> 10.5 dB	5.9 dB
3,6	DH	OK	16.9 dB @ 232.50MHz	N/A	> 10.3 dB	6.6 dB
5,4	DH	OK	18.2 dB @ 231.00MHz	N/A	> 10.4 dB	7.8 dB
1,2	DH	OK	17.7 dB @ 232.50MHz	N/A	> 10.3 dB	7.4 dB
7,8	RH	OK	15.6 dB @ 219.00MHz	N/A	> 10.6 dB	5.0 dB
3,6	RH	OK	17.3 dB @ 235.00MHz	N/A	> 10.3 dB	7.0 dB
5,4	RH	OK	18.5 dB @ 230.50MHz	N/A	> 10.4 dB	8.1 dB
1,2	RH	OK	17.1 dB @ 217.00MHz	N/A	> 10.6 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.6 dB @ 248.50MHz	N/A	< 31.0 dB	15.4 dB
3,6	OK	16.5 dB @ 241.50MHz	N/A	< 30.5 dB	14.0 dB
5,4	OK	16.2 dB @ 241.50MHz	N/A	< 30.5 dB	14.3 dB
1,2	OK	15.1 dB @ 231.00MHz	N/A	< 29.8 dB	14.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.9 dB @ 248.50MHz	N/A	>= 4.4 dB	20.5 dB
3,6	DH	OK	24.5 dB @ 249.00MHz	N/A	>= 4.2 dB	20.3 dB
5,4	DH	OK	34.2 dB @ 248.00MHz	N/A	>= 4.4 dB	29.8 dB
1,2	DH	OK	31.0 dB @ 240.00MHz	N/A	>= 5.2 dB	25.8 dB
7,8	RH	OK	29.1 dB @ 249.50MHz	N/A	>= 4.2 dB	24.9 dB
3,6	RH	OK	28.4 dB @ 249.50MHz	N/A	>= 4.2 dB	24.2 dB
5,4	RH	OK	30.8 dB @ 236.00MHz	N/A	>= 5.6 dB	25.2 dB
1,2	RH	OK	33.3 dB @ 231.50MHz	N/A	>= 6.1 dB	27.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0114  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:13:40  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.5 dB @ 227.00MHz	N/A	> 17.0 dB	14.5 dB
7,8-5,4	DH	OK	37.7 dB @ 206.50MHz	N/A	> 17.9 dB	19.8 dB
7,8-1,2	DH	OK	42.1 dB @ 249.00MHz	N/A	> 16.2 dB	25.9 dB
3,6-7,8	DH	OK	32.3 dB @ 226.00MHz	N/A	> 17.1 dB	15.2 dB
3,6-5,4	DH	OK	37.9 dB @ 201.00MHz	N/A	> 18.1 dB	19.8 dB
3,6-1,2	DH	OK	39.3 dB @ 231.00MHz	N/A	> 16.9 dB	22.4 dB
5,4-7,8	DH	OK	38.7 dB @ 211.50MHz	N/A	> 17.7 dB	21.0 dB
5,4-3,6	DH	OK	38.1 dB @ 198.00MHz	N/A	> 18.2 dB	19.9 dB
5,4-1,2	DH	OK	38.6 dB @ 249.00MHz	N/A	> 16.2 dB	22.4 dB
1,2-7,8	DH	OK	39.1 dB @ 247.50MHz	N/A	> 16.3 dB	22.8 dB
1,2-3,6	DH	OK	38.0 dB @ 233.50MHz	N/A	> 16.8 dB	21.2 dB
1,2-5,4	DH	OK	38.0 dB @ 244.00MHz	N/A	> 16.4 dB	21.6 dB
7,8-3,6	RH	OK	32.3 dB @ 226.50MHz	N/A	> 17.1 dB	15.2 dB
7,8-5,4	RH	OK	39.3 dB @ 211.50MHz	N/A	> 17.7 dB	21.6 dB
7,8-1,2	RH	OK	41.8 dB @ 248.50MHz	N/A	> 16.3 dB	25.5 dB
3,6-7,8	RH	OK	31.6 dB @ 227.00MHz	N/A	> 17.0 dB	14.6 dB
3,6-5,4	RH	OK	38.2 dB @ 198.00MHz	N/A	> 18.2 dB	20.0 dB
3,6-1,2	RH	OK	38.7 dB @ 232.00MHz	N/A	> 16.9 dB	21.8 dB
5,4-7,8	RH	OK	38.0 dB @ 206.50MHz	N/A	> 17.9 dB	20.1 dB
5,4-3,6	RH	OK	37.3 dB @ 206.50MHz	N/A	> 17.9 dB	19.4 dB
5,4-1,2	RH	OK	37.5 dB @ 249.00MHz	N/A	> 16.2 dB	21.3 dB
1,2-7,8	RH	OK	39.6 dB @ 246.00MHz	N/A	> 16.3 dB	23.3 dB
1,2-3,6	RH	OK	39.0 dB @ 231.00MHz	N/A	> 16.9 dB	22.1 dB
1,2-5,4	RH	OK	39.3 dB @ 246.00MHz	N/A	> 16.3 dB	23.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.4 dB @ 248.50MHz	N/A	> 32.4 dB	8.0 dB
3,6	DH	OK	39.6 dB @ 250.00MHz	N/A	> 32.3 dB	7.3 dB
5,4	DH	OK	48.5 dB @ 226.00MHz	N/A	> 33.0 dB	15.5 dB
1,2	DH	OK	44.3 dB @ 241.00MHz	N/A	> 32.6 dB	11.7 dB
7,8	RH	OK	42.7 dB @ 249.50MHz	N/A	> 32.3 dB	10.4 dB
3,6	RH	OK	43.0 dB @ 249.50MHz	N/A	> 32.3 dB	10.7 dB
5,4	RH	OK	44.8 dB @ 240.50MHz	N/A	> 32.6 dB	12.2 dB
1,2	RH	OK	47.2 dB @ 250.00MHz	N/A	> 32.3 dB	14.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.8 dB @ 248.50MHz	N/A	>= 1.4 dB	23.4 dB
3,6	DH	OK	23.5 dB @ 241.50MHz	N/A	>= 2.1 dB	21.4 dB
5,4	DH	OK	33.2 dB @ 248.00MHz	N/A	>= 1.4 dB	31.8 dB
1,2	DH	OK	30.2 dB @ 240.50MHz	N/A	>= 2.2 dB	28.0 dB
7,8	RH	OK	27.3 dB @ 249.50MHz	N/A	>= 1.2 dB	26.1 dB
3,6	RH	OK	26.9 dB @ 249.50MHz	N/A	>= 1.2 dB	25.7 dB
5,4	RH	OK	29.0 dB @ 241.00MHz	N/A	>= 2.1 dB	26.9 dB
1,2	RH	OK	32.3 dB @ 249.00MHz	N/A	>= 1.2 dB	31.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.2 dB @ 222.50MHz	N/A	>= 14.2 dB	17.0 dB
3,6	DH	OK	30.2 dB @ 227.00MHz	N/A	>= 14.0 dB	16.2 dB
5,4	DH	OK	34.7 dB @ 206.50MHz	N/A	>= 14.9 dB	19.8 dB
1,2	DH	OK	35.4 dB @ 249.00MHz	N/A	>= 13.2 dB	22.2 dB
7,8	RH	OK	31.4 dB @ 220.00MHz	N/A	>= 14.3 dB	17.1 dB
3,6	RH	OK	30.8 dB @ 233.50MHz	N/A	>= 13.8 dB	17.0 dB
5,4	RH	OK	34.5 dB @ 206.50MHz	N/A	>= 14.9 dB	19.6 dB
1,2	RH	OK	35.4 dB @ 246.00MHz	N/A	>= 13.3 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

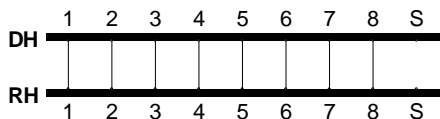
**OK**

ID cavo 1: 0115  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:14:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	49.2m	50.5m	51.7m	49.1m	< 90.0m	OK
Ritardo di propag.	242.9ns	248.8ns	254.3ns	242.5ns	< 510.0ns	OK
Diff. t. ritardo	11.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.8 Ohm	99.7 Ohm	98.5 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.0 Ohm	10.3 Ohm	11.7 Ohm	10.0 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.4pF/m	47.9pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	8.2 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.4 dB @ 234.50MHz	N/A	> 35.8 dB	5.6 dB
7,8-5,4	DH	OK	51.9 dB @ 227.50MHz	N/A	> 36.0 dB	15.9 dB
7,8-1,2	DH	OK	60.5 dB @ 203.50MHz	N/A	> 36.8 dB	23.7 dB
3,6-5,4	DH	OK	53.9 dB @ 228.50MHz	N/A	> 36.0 dB	17.9 dB
3,6-1,2	DH	OK	46.9 dB @ 246.00MHz	N/A	> 35.4 dB	11.5 dB
5,4-1,2	DH	OK	49.2 dB @ 248.50MHz	N/A	> 35.4 dB	13.8 dB
7,8-3,6	RH	OK	45.7 dB @ 222.50MHz	N/A	> 36.1 dB	9.6 dB
7,8-5,4	RH	OK	46.0 dB @ 238.00MHz	N/A	> 35.7 dB	10.3 dB
7,8-1,2	RH	OK	56.4 dB @ 249.00MHz	N/A	> 35.3 dB	21.1 dB
3,6-5,4	RH	OK	51.4 dB @ 234.50MHz	N/A	> 35.8 dB	15.6 dB
3,6-1,2	RH	OK	44.9 dB @ 236.00MHz	N/A	> 35.7 dB	9.2 dB
5,4-1,2	RH	OK	50.3 dB @ 203.50MHz	N/A	> 36.8 dB	13.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 221.50MHz	N/A	> 10.5 dB	5.4 dB
3,6	DH	OK	16.1 dB @ 224.50MHz	N/A	> 10.5 dB	5.6 dB
5,4	DH	OK	17.3 dB @ 236.50MHz	N/A	> 10.3 dB	7.0 dB
1,2	DH	OK	19.3 dB @ 173.00MHz	N/A	> 11.6 dB	7.7 dB
7,8	RH	OK	16.6 dB @ 221.00MHz	N/A	> 10.5 dB	6.1 dB
3,6	RH	OK	17.7 dB @ 231.00MHz	N/A	> 10.4 dB	7.3 dB
5,4	RH	OK	18.4 dB @ 237.00MHz	N/A	> 10.2 dB	8.2 dB
1,2	RH	OK	18.2 dB @ 173.00MHz	N/A	> 11.6 dB	6.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.6 dB @ 249.00MHz	N/A	< 31.1 dB	15.5 dB
3,6	OK	16.6 dB @ 241.50MHz	N/A	< 30.5 dB	13.9 dB
5,4	OK	16.1 dB @ 247.00MHz	N/A	< 30.9 dB	14.8 dB
1,2	OK	15.9 dB @ 238.00MHz	N/A	< 30.3 dB	14.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	26.5 dB @ 236.50MHz	N/A	>= 5.5 dB	21.0 dB
3,6	DH	OK	25.4 dB @ 234.50MHz	N/A	>= 5.8 dB	19.6 dB
5,4	DH	OK	33.4 dB @ 248.50MHz	N/A	>= 4.4 dB	29.0 dB
1,2	DH	OK	31.5 dB @ 246.50MHz	N/A	>= 4.5 dB	27.0 dB
7,8	RH	OK	31.2 dB @ 222.50MHz	N/A	>= 7.0 dB	24.2 dB
3,6	RH	OK	29.4 dB @ 236.00MHz	N/A	>= 5.6 dB	23.8 dB
5,4	RH	OK	30.4 dB @ 238.00MHz	N/A	>= 5.4 dB	25.0 dB
1,2	RH	OK	30.3 dB @ 238.00MHz	N/A	>= 5.4 dB	24.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0115  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:14:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.8 dB @ 222.50MHz	N/A	> 17.2 dB	14.6 dB
7,8-5,4	DH	OK	42.7 dB @ 214.00MHz	N/A	> 17.6 dB	25.1 dB
7,8-1,2	DH	OK	43.9 dB @ 247.50MHz	N/A	> 16.3 dB	27.6 dB
3,6-7,8	DH	OK	31.3 dB @ 220.50MHz	N/A	> 17.3 dB	14.0 dB
3,6-5,4	DH	OK	34.2 dB @ 246.50MHz	N/A	> 16.3 dB	17.9 dB
3,6-1,2	DH	OK	37.9 dB @ 238.00MHz	N/A	> 16.6 dB	21.3 dB
5,4-7,8	DH	OK	42.8 dB @ 210.50MHz	N/A	> 17.7 dB	25.1 dB
5,4-3,6	DH	OK	33.0 dB @ 241.50MHz	N/A	> 16.5 dB	16.5 dB
5,4-1,2	DH	OK	37.4 dB @ 246.50MHz	N/A	> 16.3 dB	21.1 dB
1,2-7,8	DH	OK	44.5 dB @ 242.00MHz	N/A	> 16.5 dB	28.0 dB
1,2-3,6	DH	OK	36.9 dB @ 234.50MHz	N/A	> 16.8 dB	20.1 dB
1,2-5,4	DH	OK	37.1 dB @ 246.50MHz	N/A	> 16.3 dB	20.8 dB
7,8-3,6	RH	OK	31.9 dB @ 220.50MHz	N/A	> 17.3 dB	14.6 dB
7,8-5,4	RH	OK	42.7 dB @ 210.50MHz	N/A	> 17.7 dB	25.0 dB
7,8-1,2	RH	OK	43.8 dB @ 249.00MHz	N/A	> 16.2 dB	27.6 dB
3,6-7,8	RH	OK	31.0 dB @ 230.00MHz	N/A	> 16.9 dB	14.1 dB
3,6-5,4	RH	OK	33.7 dB @ 241.50MHz	N/A	> 16.5 dB	17.2 dB
3,6-1,2	RH	OK	37.3 dB @ 241.50MHz	N/A	> 16.5 dB	20.8 dB
5,4-7,8	RH	OK	42.3 dB @ 209.50MHz	N/A	> 17.7 dB	24.6 dB
5,4-3,6	RH	OK	33.4 dB @ 247.00MHz	N/A	> 16.3 dB	17.1 dB
5,4-1,2	RH	OK	36.7 dB @ 249.00MHz	N/A	> 16.2 dB	20.5 dB
1,2-7,8	RH	OK	44.7 dB @ 238.00MHz	N/A	> 16.6 dB	28.1 dB
1,2-3,6	RH	OK	38.0 dB @ 238.00MHz	N/A	> 16.6 dB	21.4 dB
1,2-5,4	RH	OK	37.7 dB @ 246.50MHz	N/A	> 16.3 dB	21.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 234.50MHz	N/A	> 32.8 dB	8.5 dB
3,6	DH	OK	40.5 dB @ 241.00MHz	N/A	> 32.6 dB	7.9 dB
5,4	DH	OK	48.1 dB @ 248.00MHz	N/A	> 32.4 dB	15.7 dB
1,2	DH	OK	45.2 dB @ 238.50MHz	N/A	> 32.7 dB	12.5 dB
7,8	RH	OK	43.9 dB @ 238.00MHz	N/A	> 32.7 dB	11.2 dB
3,6	RH	OK	42.3 dB @ 222.50MHz	N/A	> 33.1 dB	9.2 dB
5,4	RH	OK	45.4 dB @ 238.00MHz	N/A	> 32.7 dB	12.7 dB
1,2	RH	OK	44.6 dB @ 236.00MHz	N/A	> 32.7 dB	11.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.4 dB @ 236.50MHz	N/A	>= 2.5 dB	23.9 dB
3,6	DH	OK	24.4 dB @ 241.50MHz	N/A	>= 2.1 dB	22.3 dB
5,4	DH	OK	32.4 dB @ 248.50MHz	N/A	>= 1.4 dB	31.0 dB
1,2	DH	OK	29.7 dB @ 238.00MHz	N/A	>= 2.4 dB	27.3 dB
7,8	RH	OK	29.3 dB @ 237.00MHz	N/A	>= 2.5 dB	26.8 dB
3,6	RH	OK	27.0 dB @ 222.50MHz	N/A	>= 4.0 dB	23.0 dB
5,4	RH	OK	29.8 dB @ 238.00MHz	N/A	>= 2.4 dB	27.4 dB
1,2	RH	OK	29.9 dB @ 238.00MHz	N/A	>= 2.4 dB	27.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.9 dB @ 220.50MHz	N/A	>= 14.3 dB	16.6 dB
3,6	DH	OK	29.2 dB @ 230.50MHz	N/A	>= 13.9 dB	15.3 dB
5,4	DH	OK	32.0 dB @ 246.50MHz	N/A	>= 13.3 dB	18.7 dB
1,2	DH	OK	34.4 dB @ 238.00MHz	N/A	>= 13.6 dB	20.8 dB
7,8	RH	OK	31.5 dB @ 220.50MHz	N/A	>= 14.3 dB	17.2 dB
3,6	RH	OK	28.8 dB @ 230.00MHz	N/A	>= 13.9 dB	14.9 dB
5,4	RH	OK	31.4 dB @ 247.00MHz	N/A	>= 13.3 dB	18.1 dB
1,2	RH	OK	35.0 dB @ 238.00MHz	N/A	>= 13.6 dB	21.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

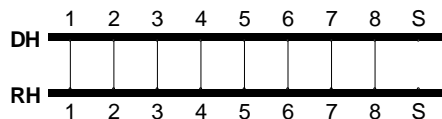
**OK**

ID cavo 1: 0116  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:16:04  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	55.6m	56.9m	58.3m	55.3m	< 90.0m	OK
Ritardo di propag.	272.7ns	278.7ns	284.9ns	271.0ns	< 510.0ns	OK
Diff. t. ritardo	13.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.6 Ohm	99.2 Ohm	98.1 Ohm	101.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	10.7 Ohm	11.0 Ohm	12.5 Ohm	10.8 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.6pF/m	48.1pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	8.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.0 dB @ 250.00MHz	N/A	> 35.3 dB	6.7 dB
7,8-5,4	DH	OK	52.0 dB @ 232.00MHz	N/A	> 35.8 dB	16.2 dB
7,8-1,2	DH	OK	60.9 dB @ 232.00MHz	N/A	> 35.8 dB	25.1 dB
3,6-5,4	DH	OK	54.3 dB @ 249.00MHz	N/A	> 35.3 dB	19.0 dB
3,6-1,2	DH	OK	46.5 dB @ 249.00MHz	N/A	> 35.3 dB	11.2 dB
5,4-1,2	DH	OK	48.8 dB @ 204.00MHz	N/A	> 36.8 dB	12.0 dB
7,8-3,6	RH	OK	46.2 dB @ 232.50MHz	N/A	> 35.8 dB	10.4 dB
7,8-5,4	RH	OK	45.4 dB @ 238.00MHz	N/A	> 35.7 dB	9.7 dB
7,8-1,2	RH	OK	51.8 dB @ 236.50MHz	N/A	> 35.7 dB	16.1 dB
3,6-5,4	RH	OK	52.4 dB @ 236.50MHz	N/A	> 35.7 dB	16.7 dB
3,6-1,2	RH	OK	45.5 dB @ 236.50MHz	N/A	> 35.7 dB	9.8 dB
5,4-1,2	RH	OK	47.9 dB @ 250.00MHz	N/A	> 35.3 dB	12.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.7 dB @ 229.50MHz	N/A	> 10.4 dB	6.3 dB
3,6	DH	OK	16.7 dB @ 233.50MHz	N/A	> 10.3 dB	6.4 dB
5,4	DH	OK	17.6 dB @ 226.00MHz	N/A	> 10.4 dB	7.2 dB
1,2	DH	OK	15.6 dB @ 224.50MHz	N/A	> 10.5 dB	5.1 dB
7,8	RH	OK	16.4 dB @ 220.00MHz	N/A	> 10.6 dB	5.8 dB
3,6	RH	OK	16.8 dB @ 230.00MHz	N/A	> 10.4 dB	6.4 dB
5,4	RH	OK	19.5 dB @ 226.00MHz	N/A	> 10.4 dB	9.1 dB
1,2	RH	OK	15.8 dB @ 207.00MHz	N/A	> 10.8 dB	5.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	17.7 dB @ 247.50MHz	N/A	< 31.0 dB	13.3 dB
3,6	OK	18.4 dB @ 248.50MHz	N/A	< 31.0 dB	12.6 dB
5,4	OK	18.2 dB @ 250.00MHz	N/A	< 31.2 dB	13.0 dB
1,2	OK	17.2 dB @ 249.50MHz	N/A	< 31.1 dB	13.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	24.5 dB @ 246.50MHz	N/A	>= 4.5 dB	20.0 dB
3,6	DH	OK	24.0 dB @ 248.50MHz	N/A	>= 4.4 dB	19.6 dB
5,4	DH	OK	32.6 dB @ 243.00MHz	N/A	>= 4.9 dB	27.7 dB
1,2	DH	OK	29.6 dB @ 249.00MHz	N/A	>= 4.2 dB	25.4 dB
7,8	RH	OK	28.5 dB @ 238.00MHz	N/A	>= 5.4 dB	23.1 dB
3,6	RH	OK	27.7 dB @ 236.50MHz	N/A	>= 5.5 dB	22.2 dB
5,4	RH	OK	28.1 dB @ 236.00MHz	N/A	>= 5.6 dB	22.5 dB
1,2	RH	OK	29.1 dB @ 236.00MHz	N/A	>= 5.6 dB	23.5 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0116  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:16:04  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.4 dB @ 216.50MHz	N/A	> 17.5 dB	17.9 dB
7,8-5,4	DH	OK	42.2 dB @ 208.50MHz	N/A	> 17.8 dB	24.4 dB
7,8-1,2	DH	OK	41.3 dB @ 249.50MHz	N/A	> 16.2 dB	25.1 dB
3,6-7,8	DH	OK	34.9 dB @ 211.00MHz	N/A	> 17.7 dB	17.2 dB
3,6-5,4	DH	OK	34.1 dB @ 205.00MHz	N/A	> 17.9 dB	16.2 dB
3,6-1,2	DH	OK	43.5 dB @ 229.50MHz	N/A	> 16.9 dB	26.6 dB
5,4-7,8	DH	OK	41.0 dB @ 211.00MHz	N/A	> 17.7 dB	23.3 dB
5,4-3,6	DH	OK	33.8 dB @ 207.00MHz	N/A	> 17.8 dB	16.0 dB
5,4-1,2	DH	OK	40.2 dB @ 217.50MHz	N/A	> 17.4 dB	22.8 dB
1,2-7,8	DH	OK	41.4 dB @ 247.50MHz	N/A	> 16.3 dB	25.1 dB
1,2-3,6	DH	OK	45.8 dB @ 227.50MHz	N/A	> 17.0 dB	28.8 dB
1,2-5,4	DH	OK	39.6 dB @ 218.00MHz	N/A	> 17.4 dB	22.2 dB
7,8-3,6	RH	OK	34.9 dB @ 211.00MHz	N/A	> 17.7 dB	17.2 dB
7,8-5,4	RH	OK	42.1 dB @ 211.00MHz	N/A	> 17.7 dB	24.4 dB
7,8-1,2	RH	OK	41.2 dB @ 247.50MHz	N/A	> 16.3 dB	24.9 dB
3,6-7,8	RH	OK	34.9 dB @ 227.00MHz	N/A	> 17.0 dB	17.9 dB
3,6-5,4	RH	OK	34.0 dB @ 207.00MHz	N/A	> 17.8 dB	16.2 dB
3,6-1,2	RH	OK	42.2 dB @ 229.50MHz	N/A	> 16.9 dB	25.3 dB
5,4-7,8	RH	OK	41.5 dB @ 210.00MHz	N/A	> 17.7 dB	23.8 dB
5,4-3,6	RH	OK	34.1 dB @ 212.50MHz	N/A	> 17.6 dB	16.5 dB
5,4-1,2	RH	OK	39.3 dB @ 218.00MHz	N/A	> 17.4 dB	21.9 dB
1,2-7,8	RH	OK	42.4 dB @ 247.00MHz	N/A	> 16.3 dB	26.1 dB
1,2-3,6	RH	OK	46.6 dB @ 227.50MHz	N/A	> 17.0 dB	29.6 dB
1,2-5,4	RH	OK	40.7 dB @ 217.50MHz	N/A	> 17.4 dB	23.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.9 dB @ 250.00MHz	N/A	> 32.3 dB	9.6 dB
3,6	DH	OK	40.6 dB @ 249.50MHz	N/A	> 32.3 dB	8.3 dB
5,4	DH	OK	48.1 dB @ 204.00MHz	N/A	> 33.8 dB	14.3 dB
1,2	DH	OK	45.5 dB @ 249.00MHz	N/A	> 32.3 dB	13.2 dB
7,8	RH	OK	43.2 dB @ 232.50MHz	N/A	> 32.8 dB	10.4 dB
3,6	RH	OK	43.7 dB @ 229.00MHz	N/A	> 32.9 dB	10.8 dB
5,4	RH	OK	43.8 dB @ 249.50MHz	N/A	> 32.3 dB	11.5 dB
1,2	RH	OK	43.6 dB @ 250.00MHz	N/A	> 32.3 dB	11.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.4 dB @ 246.50MHz	N/A	>= 1.5 dB	22.9 dB
3,6	DH	OK	22.6 dB @ 248.50MHz	N/A	>= 1.4 dB	21.2 dB
5,4	DH	OK	32.0 dB @ 243.00MHz	N/A	>= 1.9 dB	30.1 dB
1,2	DH	OK	28.6 dB @ 249.00MHz	N/A	>= 1.2 dB	27.4 dB
7,8	RH	OK	26.4 dB @ 228.50MHz	N/A	>= 3.4 dB	23.0 dB
3,6	RH	OK	26.3 dB @ 236.50MHz	N/A	>= 2.5 dB	23.8 dB
5,4	RH	OK	25.7 dB @ 250.00MHz	N/A	>= 1.1 dB	24.6 dB
1,2	RH	OK	26.5 dB @ 249.50MHz	N/A	>= 1.2 dB	25.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.4 dB @ 211.00MHz	N/A	>= 14.7 dB	18.7 dB
3,6	DH	OK	31.5 dB @ 209.50MHz	N/A	>= 14.7 dB	16.8 dB
5,4	DH	OK	32.8 dB @ 205.00MHz	N/A	>= 14.9 dB	17.9 dB
1,2	DH	OK	38.4 dB @ 217.50MHz	N/A	>= 14.4 dB	24.0 dB
7,8	RH	OK	33.6 dB @ 211.00MHz	N/A	>= 14.7 dB	18.9 dB
3,6	RH	OK	31.5 dB @ 207.00MHz	N/A	>= 14.8 dB	16.7 dB
5,4	RH	OK	32.5 dB @ 212.50MHz	N/A	>= 14.6 dB	17.9 dB
1,2	RH	OK	38.7 dB @ 225.50MHz	N/A	>= 14.1 dB	24.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

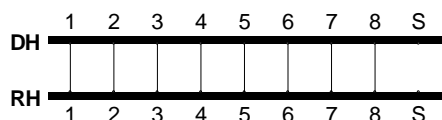
ID cavo 1: 0117  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:17:42  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	61.8m	63.3m	64.8m	61.5m	< 90.0m	OK
Ritardo di propag.	301.4ns	308.2ns	315.0ns	299.7ns	< 510.0ns	OK
Diff. t. ritardo	15.3ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.0 Ohm	99.9 Ohm	98.7 Ohm	101.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.0 Ohm	12.4 Ohm	13.4 Ohm	11.9 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.2pF/m	47.8pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	9.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.1 dB @ 240.50MHz	N/A	> 35.6 dB	6.5 dB
7,8-5,4	DH	OK	55.0 dB @ 238.50MHz	N/A	> 35.7 dB	19.3 dB
7,8-1,2	DH	OK	60.5 dB @ 202.50MHz	N/A	> 36.8 dB	23.7 dB
3,6-5,4	DH	OK	51.2 dB @ 168.00MHz	N/A	> 38.1 dB	13.1 dB
3,6-1,2	DH	OK	45.3 dB @ 249.00MHz	N/A	> 35.3 dB	10.0 dB
5,4-1,2	DH	OK	48.2 dB @ 239.50MHz	N/A	> 35.6 dB	12.6 dB
7,8-3,6	RH	OK	46.3 dB @ 219.50MHz	N/A	> 36.2 dB	10.1 dB
7,8-5,4	RH	OK	47.8 dB @ 230.00MHz	N/A	> 35.9 dB	11.9 dB
7,8-1,2	RH	OK	52.6 dB @ 250.00MHz	N/A	> 35.3 dB	17.3 dB
3,6-5,4	RH	OK	53.2 dB @ 248.00MHz	N/A	> 35.4 dB	17.8 dB
3,6-1,2	RH	OK	44.7 dB @ 236.00MHz	N/A	> 35.7 dB	9.0 dB
5,4-1,2	RH	OK	47.3 dB @ 249.50MHz	N/A	> 35.3 dB	12.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.1 dB @ 231.00MHz	N/A	> 10.4 dB	6.7 dB
3,6	DH	OK	15.9 dB @ 223.50MHz	N/A	> 10.5 dB	5.4 dB
5,4	DH	OK	17.4 dB @ 227.50MHz	N/A	> 10.4 dB	7.0 dB
1,2	DH	OK	17.8 dB @ 221.50MHz	N/A	> 10.5 dB	7.3 dB
7,8	RH	OK	16.5 dB @ 217.50MHz	N/A	> 10.6 dB	5.9 dB
3,6	RH	OK	17.2 dB @ 163.00MHz	N/A	> 11.9 dB	5.3 dB
5,4	RH	OK	18.2 dB @ 227.00MHz	N/A	> 10.4 dB	7.8 dB
1,2	RH	OK	17.4 dB @ 222.00MHz	N/A	> 10.5 dB	6.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.2 dB @ 250.00MHz	N/A	< 31.2 dB	12.0 dB
3,6	OK	19.9 dB @ 248.50MHz	N/A	< 31.0 dB	11.1 dB
5,4	OK	19.8 dB @ 241.50MHz	N/A	< 30.5 dB	10.7 dB
1,2	OK	18.6 dB @ 250.00MHz	N/A	< 31.2 dB	12.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	23.2 dB @ 250.00MHz	N/A	>= 4.1 dB	19.1 dB
3,6	DH	OK	22.6 dB @ 248.50MHz	N/A	>= 4.4 dB	18.2 dB
5,4	DH	OK	28.9 dB @ 239.50MHz	N/A	>= 5.2 dB	23.7 dB
1,2	DH	OK	26.8 dB @ 249.00MHz	N/A	>= 4.2 dB	22.6 dB
7,8	RH	OK	27.4 dB @ 250.00MHz	N/A	>= 4.1 dB	23.3 dB
3,6	RH	OK	25.8 dB @ 236.00MHz	N/A	>= 5.6 dB	20.2 dB
5,4	RH	OK	27.9 dB @ 249.50MHz	N/A	>= 4.2 dB	23.7 dB
1,2	RH	OK	26.9 dB @ 236.00MHz	N/A	>= 5.6 dB	21.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0117  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:17:42  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.5 dB @ 177.00MHz	N/A	> 19.2 dB	14.3 dB
7,8-5,4	DH	OK	42.3 dB @ 241.50MHz	N/A	> 16.5 dB	25.8 dB
7,8-1,2	DH	OK	42.8 dB @ 216.50MHz	N/A	> 17.5 dB	25.3 dB
3,6-7,8	DH	OK	33.2 dB @ 183.00MHz	N/A	> 18.9 dB	14.3 dB
3,6-5,4	DH	OK	35.5 dB @ 196.50MHz	N/A	> 18.3 dB	17.2 dB
3,6-1,2	DH	OK	42.2 dB @ 250.00MHz	N/A	> 16.2 dB	26.0 dB
5,4-7,8	DH	OK	43.3 dB @ 243.00MHz	N/A	> 16.5 dB	26.8 dB
5,4-3,6	DH	OK	34.4 dB @ 195.50MHz	N/A	> 18.3 dB	16.1 dB
5,4-1,2	DH	OK	38.0 dB @ 201.00MHz	N/A	> 18.1 dB	19.9 dB
1,2-7,8	DH	OK	42.3 dB @ 237.50MHz	N/A	> 16.7 dB	25.6 dB
1,2-3,6	DH	OK	39.3 dB @ 248.50MHz	N/A	> 16.3 dB	23.0 dB
1,2-5,4	DH	OK	36.7 dB @ 205.50MHz	N/A	> 17.9 dB	18.8 dB
7,8-3,6	RH	OK	34.1 dB @ 175.00MHz	N/A	> 19.3 dB	14.8 dB
7,8-5,4	RH	OK	43.1 dB @ 236.50MHz	N/A	> 16.7 dB	26.4 dB
7,8-1,2	RH	OK	42.4 dB @ 220.00MHz	N/A	> 17.3 dB	25.1 dB
3,6-7,8	RH	OK	32.7 dB @ 177.00MHz	N/A	> 19.2 dB	13.5 dB
3,6-5,4	RH	OK	35.5 dB @ 195.50MHz	N/A	> 18.3 dB	17.2 dB
3,6-1,2	RH	OK	41.3 dB @ 250.00MHz	N/A	> 16.2 dB	25.1 dB
5,4-7,8	RH	OK	43.0 dB @ 241.50MHz	N/A	> 16.5 dB	26.5 dB
5,4-3,6	RH	OK	34.3 dB @ 196.50MHz	N/A	> 18.3 dB	16.0 dB
5,4-1,2	RH	OK	37.3 dB @ 201.50MHz	N/A	> 18.1 dB	19.2 dB
1,2-7,8	RH	OK	42.8 dB @ 239.50MHz	N/A	> 16.6 dB	26.2 dB
1,2-3,6	RH	OK	40.8 dB @ 250.00MHz	N/A	> 16.2 dB	24.6 dB
1,2-5,4	RH	OK	37.5 dB @ 202.50MHz	N/A	> 18.0 dB	19.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.9 dB @ 240.50MHz	N/A	> 32.6 dB	9.3 dB
3,6	DH	OK	40.3 dB @ 249.00MHz	N/A	> 32.3 dB	8.0 dB
5,4	DH	OK	46.7 dB @ 246.00MHz	N/A	> 32.4 dB	14.3 dB
1,2	DH	OK	43.9 dB @ 245.50MHz	N/A	> 32.4 dB	11.5 dB
7,8	RH	OK	43.9 dB @ 237.50MHz	N/A	> 32.7 dB	11.2 dB
3,6	RH	OK	42.4 dB @ 236.00MHz	N/A	> 32.7 dB	9.7 dB
5,4	RH	OK	45.2 dB @ 249.50MHz	N/A	> 32.3 dB	12.9 dB
1,2	RH	OK	44.1 dB @ 249.50MHz	N/A	> 32.3 dB	11.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.0 dB @ 250.00MHz	N/A	>= 1.1 dB	21.9 dB
3,6	DH	OK	20.5 dB @ 248.50MHz	N/A	>= 1.4 dB	19.1 dB
5,4	DH	OK	27.2 dB @ 248.50MHz	N/A	>= 1.4 dB	25.8 dB
1,2	DH	OK	25.5 dB @ 245.00MHz	N/A	>= 1.7 dB	23.8 dB
7,8	RH	OK	24.9 dB @ 237.50MHz	N/A	>= 2.5 dB	22.4 dB
3,6	RH	OK	23.5 dB @ 236.00MHz	N/A	>= 2.6 dB	20.9 dB
5,4	RH	OK	25.6 dB @ 248.50MHz	N/A	>= 1.4 dB	24.2 dB
1,2	RH	OK	25.7 dB @ 249.50MHz	N/A	>= 1.2 dB	24.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.7 dB @ 183.00MHz	N/A	>= 15.9 dB	16.8 dB
3,6	DH	OK	31.2 dB @ 195.50MHz	N/A	>= 15.3 dB	15.9 dB
5,4	DH	OK	33.0 dB @ 196.50MHz	N/A	>= 15.3 dB	17.7 dB
1,2	DH	OK	36.8 dB @ 201.50MHz	N/A	>= 15.1 dB	21.7 dB
7,8	RH	OK	33.5 dB @ 175.00MHz	N/A	>= 16.3 dB	17.2 dB
3,6	RH	OK	31.3 dB @ 177.00MHz	N/A	>= 16.2 dB	15.1 dB
5,4	RH	OK	32.4 dB @ 196.50MHz	N/A	>= 15.3 dB	17.1 dB
1,2	RH	OK	36.4 dB @ 250.00MHz	N/A	>= 13.2 dB	23.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0118  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:20:31  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	63.6m	65.3m	67.0m	63.2m	< 90.0m	OK
Ritardo di propag.	309.6ns	317.3ns	325.4ns	307.7ns	< 510.0ns	OK
Diff. t. ritardo	17.7ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.5 Ohm	99.5 Ohm	97.0 Ohm	102.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.5 Ohm	13.1 Ohm	15.0 Ohm	12.9 Ohm	< 20.0 Ohm	OK
Capacità	47.0pF/m	47.4pF/m	48.7pF/m	46.1pF/m	< 66.0pF/m	OK
Riserva	10.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.7 dB @ 246.00MHz	N/A	> 35.4 dB	6.3 dB
7,8-5,4	DH	OK	51.5 dB @ 232.50MHz	N/A	> 35.8 dB	15.7 dB
7,8-1,2	DH	OK	61.2 dB @ 211.00MHz	N/A	> 36.5 dB	24.7 dB
3,6-5,4	DH	OK	52.6 dB @ 161.50MHz	N/A	> 38.4 dB	14.2 dB
3,6-1,2	DH	OK	47.1 dB @ 229.00MHz	N/A	> 35.9 dB	11.2 dB
5,4-1,2	DH	OK	48.6 dB @ 250.00MHz	N/A	> 35.3 dB	13.3 dB
7,8-3,6	RH	OK	47.0 dB @ 227.00MHz	N/A	> 36.0 dB	11.0 dB
7,8-5,4	RH	OK	44.8 dB @ 236.50MHz	N/A	> 35.7 dB	9.1 dB
7,8-1,2	RH	OK	53.2 dB @ 198.00MHz	N/A	> 37.0 dB	16.2 dB
3,6-5,4	RH	OK	51.3 dB @ 238.50MHz	N/A	> 35.7 dB	15.6 dB
3,6-1,2	RH	OK	50.1 dB @ 229.50MHz	N/A	> 35.9 dB	14.2 dB
5,4-1,2	RH	OK	49.8 dB @ 207.00MHz	N/A	> 36.7 dB	13.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.3 dB @ 174.00MHz	N/A	> 11.6 dB	4.7 dB
3,6	DH	OK	15.8 dB @ 232.50MHz	N/A	> 10.3 dB	5.5 dB
5,4	DH	OK	16.1 dB @ 232.00MHz	N/A	> 10.3 dB	5.8 dB
1,2	DH	OK	17.7 dB @ 225.50MHz	N/A	> 10.5 dB	7.2 dB
7,8	RH	OK	16.6 dB @ 222.50MHz	N/A	> 10.5 dB	6.1 dB
3,6	RH	OK	17.1 dB @ 165.50MHz	N/A	> 11.8 dB	5.3 dB
5,4	RH	OK	17.6 dB @ 230.00MHz	N/A	> 10.4 dB	7.2 dB
1,2	RH	OK	17.2 dB @ 226.00MHz	N/A	> 10.4 dB	6.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.7 dB @ 236.50MHz	N/A	< 30.2 dB	10.5 dB
3,6	OK	20.4 dB @ 247.50MHz	N/A	< 31.0 dB	10.6 dB
5,4	OK	21.2 dB @ 246.00MHz	N/A	< 30.9 dB	9.7 dB
1,2	OK	19.4 dB @ 240.00MHz	N/A	< 30.4 dB	11.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.1 dB @ 246.00MHz	N/A	>= 4.5 dB	17.6 dB
3,6	DH	OK	21.7 dB @ 246.00MHz	N/A	>= 4.5 dB	17.2 dB
5,4	DH	OK	27.8 dB @ 249.50MHz	N/A	>= 4.2 dB	23.6 dB
1,2	DH	OK	28.6 dB @ 229.50MHz	N/A	>= 6.3 dB	22.3 dB
7,8	RH	OK	25.1 dB @ 236.50MHz	N/A	>= 5.5 dB	19.6 dB
3,6	RH	OK	27.5 dB @ 227.00MHz	N/A	>= 6.5 dB	21.0 dB
5,4	RH	OK	24.3 dB @ 236.00MHz	N/A	>= 5.6 dB	18.7 dB
1,2	RH	OK	31.3 dB @ 245.50MHz	N/A	>= 4.6 dB	26.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0118  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:20:31  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.1 dB @ 164.00MHz	N/A	> 19.9 dB	13.2 dB
7,8-5,4	DH	OK	41.7 dB @ 236.00MHz	N/A	> 16.7 dB	25.0 dB
7,8-1,2	DH	OK	40.6 dB @ 232.50MHz	N/A	> 16.8 dB	23.8 dB
3,6-7,8	DH	OK	32.9 dB @ 171.00MHz	N/A	> 19.5 dB	13.4 dB
3,6-5,4	DH	OK	33.1 dB @ 193.00MHz	N/A	> 18.5 dB	14.6 dB
3,6-1,2	DH	OK	36.7 dB @ 250.00MHz	N/A	> 16.2 dB	20.5 dB
5,4-7,8	DH	OK	43.8 dB @ 176.00MHz	N/A	> 19.2 dB	24.6 dB
5,4-3,6	DH	OK	33.6 dB @ 192.50MHz	N/A	> 18.5 dB	15.1 dB
5,4-1,2	DH	OK	38.2 dB @ 249.00MHz	N/A	> 16.2 dB	22.0 dB
1,2-7,8	DH	OK	40.7 dB @ 230.00MHz	N/A	> 16.9 dB	23.8 dB
1,2-3,6	DH	OK	35.8 dB @ 247.50MHz	N/A	> 16.3 dB	19.5 dB
1,2-5,4	DH	OK	35.7 dB @ 249.50MHz	N/A	> 16.2 dB	19.5 dB
7,8-3,6	RH	OK	33.7 dB @ 171.50MHz	N/A	> 19.5 dB	14.2 dB
7,8-5,4	RH	OK	43.4 dB @ 236.50MHz	N/A	> 16.7 dB	26.7 dB
7,8-1,2	RH	OK	40.0 dB @ 236.50MHz	N/A	> 16.7 dB	23.3 dB
3,6-7,8	RH	OK	32.4 dB @ 173.00MHz	N/A	> 19.4 dB	13.0 dB
3,6-5,4	RH	OK	33.8 dB @ 191.50MHz	N/A	> 18.5 dB	15.3 dB
3,6-1,2	RH	OK	35.4 dB @ 250.00MHz	N/A	> 16.2 dB	19.2 dB
5,4-7,8	RH	OK	42.7 dB @ 176.00MHz	N/A	> 19.2 dB	23.5 dB
5,4-3,6	RH	OK	32.8 dB @ 193.00MHz	N/A	> 18.5 dB	14.3 dB
5,4-1,2	RH	OK	36.1 dB @ 249.50MHz	N/A	> 16.2 dB	19.9 dB
1,2-7,8	RH	OK	41.2 dB @ 229.50MHz	N/A	> 16.9 dB	24.3 dB
1,2-3,6	RH	OK	37.2 dB @ 250.00MHz	N/A	> 16.2 dB	21.0 dB
1,2-5,4	RH	OK	37.9 dB @ 250.00MHz	N/A	> 16.2 dB	21.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 246.00MHz	N/A	> 32.4 dB	9.0 dB
3,6	DH	OK	41.1 dB @ 246.00MHz	N/A	> 32.4 dB	8.7 dB
5,4	DH	OK	47.2 dB @ 250.00MHz	N/A	> 32.3 dB	14.9 dB
1,2	DH	OK	45.8 dB @ 250.00MHz	N/A	> 32.3 dB	13.5 dB
7,8	RH	OK	43.7 dB @ 250.00MHz	N/A	> 32.3 dB	11.4 dB
3,6	RH	OK	44.7 dB @ 227.00MHz	N/A	> 33.0 dB	11.7 dB
5,4	RH	OK	43.7 dB @ 236.50MHz	N/A	> 32.7 dB	11.0 dB
1,2	RH	OK	47.2 dB @ 248.50MHz	N/A	> 32.4 dB	14.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.8 dB @ 246.00MHz	N/A	>= 1.5 dB	20.3 dB
3,6	DH	OK	21.1 dB @ 246.00MHz	N/A	>= 1.5 dB	19.6 dB
5,4	DH	OK	26.4 dB @ 249.50MHz	N/A	>= 1.2 dB	25.2 dB
1,2	DH	OK	27.0 dB @ 250.00MHz	N/A	>= 1.1 dB	25.9 dB
7,8	RH	OK	24.1 dB @ 236.50MHz	N/A	>= 2.5 dB	21.6 dB
3,6	RH	OK	25.2 dB @ 227.00MHz	N/A	>= 3.5 dB	21.7 dB
5,4	RH	OK	23.1 dB @ 237.00MHz	N/A	>= 2.5 dB	20.6 dB
1,2	RH	OK	28.5 dB @ 248.50MHz	N/A	>= 1.4 dB	27.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.4 dB @ 171.00MHz	N/A	>= 16.5 dB	15.9 dB
3,6	DH	OK	30.7 dB @ 187.00MHz	N/A	>= 15.7 dB	15.0 dB
5,4	DH	OK	31.5 dB @ 193.00MHz	N/A	>= 15.5 dB	16.0 dB
1,2	DH	OK	33.6 dB @ 250.00MHz	N/A	>= 13.2 dB	20.4 dB
7,8	RH	OK	33.2 dB @ 177.50MHz	N/A	>= 16.2 dB	17.0 dB
3,6	RH	OK	30.1 dB @ 181.50MHz	N/A	>= 16.0 dB	14.1 dB
5,4	RH	OK	31.3 dB @ 193.00MHz	N/A	>= 15.5 dB	15.8 dB
1,2	RH	OK	33.9 dB @ 250.00MHz	N/A	>= 13.2 dB	20.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0119  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:21:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	64.7m	66.5m	68.2m	64.3m	< 90.0m	OK
Ritardo di propag.	314.8ns	323.0ns	331.0ns	312.8ns	< 510.0ns	OK
Diff. t. ritardo	18.2ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.0 Ohm	99.2 Ohm	97.0 Ohm	102.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	13.1 Ohm	13.5 Ohm	14.7 Ohm	13.2 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.6pF/m	48.7pF/m	46.2pF/m	< 66.0pF/m	OK
Riserva	9.2 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.7 dB @ 243.00MHz	N/A	> 35.5 dB	6.2 dB
7,8-5,4	DH	OK	53.5 dB @ 237.00MHz	N/A	> 35.7 dB	17.8 dB
7,8-1,2	DH	OK	56.7 dB @ 237.50MHz	N/A	> 35.7 dB	21.0 dB
3,6-5,4	DH	OK	52.9 dB @ 149.00MHz	N/A	> 39.0 dB	13.9 dB
3,6-1,2	DH	OK	46.5 dB @ 243.00MHz	N/A	> 35.5 dB	11.0 dB
5,4-1,2	DH	OK	50.7 dB @ 250.00MHz	N/A	> 35.3 dB	15.4 dB
7,8-3,6	RH	OK	47.5 dB @ 227.00MHz	N/A	> 36.0 dB	11.5 dB
7,8-5,4	RH	OK	44.1 dB @ 238.00MHz	N/A	> 35.7 dB	8.4 dB
7,8-1,2	RH	OK	52.2 dB @ 211.50MHz	N/A	> 36.5 dB	15.7 dB
3,6-5,4	RH	OK	51.2 dB @ 249.50MHz	N/A	> 35.3 dB	15.9 dB
3,6-1,2	RH	OK	47.0 dB @ 240.50MHz	N/A	> 35.6 dB	11.4 dB
5,4-1,2	RH	OK	51.3 dB @ 203.00MHz	N/A	> 36.8 dB	14.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.1 dB @ 223.00MHz	N/A	> 10.5 dB	4.6 dB
3,6	DH	OK	16.1 dB @ 231.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	DH	OK	16.9 dB @ 231.00MHz	N/A	> 10.4 dB	6.5 dB
1,2	DH	OK	16.6 dB @ 219.00MHz	N/A	> 10.6 dB	6.0 dB
7,8	RH	OK	15.7 dB @ 218.00MHz	N/A	> 10.6 dB	5.1 dB
3,6	RH	OK	17.1 dB @ 221.00MHz	N/A	> 10.5 dB	6.6 dB
5,4	RH	OK	19.5 dB @ 223.50MHz	N/A	> 10.5 dB	9.0 dB
1,2	RH	OK	17.1 dB @ 220.50MHz	N/A	> 10.6 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	20.3 dB @ 247.50MHz	N/A	< 31.0 dB	10.7 dB
3,6	OK	20.8 dB @ 242.50MHz	N/A	< 30.6 dB	9.8 dB
5,4	OK	21.2 dB @ 249.00MHz	N/A	< 31.1 dB	9.9 dB
1,2	OK	19.5 dB @ 249.50MHz	N/A	< 31.1 dB	11.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.1 dB @ 241.00MHz	N/A	>= 5.1 dB	17.0 dB
3,6	DH	OK	20.9 dB @ 242.50MHz	N/A	>= 4.9 dB	16.0 dB
5,4	DH	OK	29.6 dB @ 248.50MHz	N/A	>= 4.4 dB	25.2 dB
1,2	DH	OK	27.1 dB @ 242.00MHz	N/A	>= 4.9 dB	22.2 dB
7,8	RH	OK	24.5 dB @ 237.50MHz	N/A	>= 5.5 dB	19.0 dB
3,6	RH	OK	26.6 dB @ 240.50MHz	N/A	>= 5.2 dB	21.4 dB
5,4	RH	OK	23.1 dB @ 237.50MHz	N/A	>= 5.5 dB	17.6 dB
1,2	RH	OK	28.0 dB @ 240.50MHz	N/A	>= 5.2 dB	22.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0119  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:21:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.8 dB @ 249.50MHz	N/A	> 16.2 dB	17.6 dB
7,8-5,4	DH	OK	39.1 dB @ 230.00MHz	N/A	> 16.9 dB	22.2 dB
7,8-1,2	DH	OK	37.3 dB @ 250.00MHz	N/A	> 16.2 dB	21.1 dB
3,6-7,8	DH	OK	35.4 dB @ 249.50MHz	N/A	> 16.2 dB	19.2 dB
3,6-5,4	DH	OK	35.7 dB @ 185.50MHz	N/A	> 18.8 dB	16.9 dB
3,6-1,2	DH	OK	40.2 dB @ 205.00MHz	N/A	> 17.9 dB	22.3 dB
5,4-7,8	DH	OK	41.3 dB @ 229.00MHz	N/A	> 17.0 dB	24.3 dB
5,4-3,6	DH	OK	37.0 dB @ 188.50MHz	N/A	> 18.7 dB	18.3 dB
5,4-1,2	DH	OK	38.1 dB @ 249.50MHz	N/A	> 16.2 dB	21.9 dB
1,2-7,8	DH	OK	38.5 dB @ 223.50MHz	N/A	> 17.2 dB	21.3 dB
1,2-3,6	DH	OK	37.5 dB @ 215.50MHz	N/A	> 17.5 dB	20.0 dB
1,2-5,4	DH	OK	36.0 dB @ 249.00MHz	N/A	> 16.2 dB	19.8 dB
7,8-3,6	RH	OK	34.2 dB @ 249.50MHz	N/A	> 16.2 dB	18.0 dB
7,8-5,4	RH	OK	40.1 dB @ 223.50MHz	N/A	> 17.2 dB	22.9 dB
7,8-1,2	RH	OK	36.7 dB @ 250.00MHz	N/A	> 16.2 dB	20.5 dB
3,6-7,8	RH	OK	34.8 dB @ 169.00MHz	N/A	> 19.6 dB	15.2 dB
3,6-5,4	RH	OK	36.1 dB @ 182.00MHz	N/A	> 19.0 dB	17.1 dB
3,6-1,2	RH	OK	39.1 dB @ 205.50MHz	N/A	> 17.9 dB	21.2 dB
5,4-7,8	RH	OK	40.1 dB @ 229.00MHz	N/A	> 17.0 dB	23.1 dB
5,4-3,6	RH	OK	36.4 dB @ 187.00MHz	N/A	> 18.7 dB	17.7 dB
5,4-1,2	RH	OK	35.9 dB @ 248.50MHz	N/A	> 16.3 dB	19.6 dB
1,2-7,8	RH	OK	39.6 dB @ 226.00MHz	N/A	> 17.1 dB	22.5 dB
1,2-3,6	RH	OK	38.4 dB @ 216.50MHz	N/A	> 17.5 dB	20.9 dB
1,2-5,4	RH	OK	38.0 dB @ 249.00MHz	N/A	> 16.2 dB	21.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.5 dB @ 241.50MHz	N/A	> 32.6 dB	8.9 dB
3,6	DH	OK	40.3 dB @ 243.00MHz	N/A	> 32.5 dB	7.8 dB
5,4	DH	OK	48.7 dB @ 197.00MHz	N/A	> 34.0 dB	14.7 dB
1,2	DH	OK	45.2 dB @ 242.00MHz	N/A	> 32.5 dB	12.7 dB
7,8	RH	OK	42.8 dB @ 238.50MHz	N/A	> 32.7 dB	10.1 dB
3,6	RH	OK	43.9 dB @ 240.50MHz	N/A	> 32.6 dB	11.3 dB
5,4	RH	OK	43.5 dB @ 238.00MHz	N/A	> 32.7 dB	10.8 dB
1,2	RH	OK	46.1 dB @ 250.00MHz	N/A	> 32.3 dB	13.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	21.9 dB @ 241.00MHz	N/A	>= 2.1 dB	19.8 dB
3,6	DH	OK	19.6 dB @ 242.50MHz	N/A	>= 1.9 dB	17.7 dB
5,4	DH	OK	27.7 dB @ 250.00MHz	N/A	>= 1.1 dB	26.6 dB
1,2	DH	OK	25.8 dB @ 242.00MHz	N/A	>= 1.9 dB	23.9 dB
7,8	RH	OK	23.0 dB @ 239.50MHz	N/A	>= 2.2 dB	20.8 dB
3,6	RH	OK	23.5 dB @ 240.50MHz	N/A	>= 2.2 dB	21.3 dB
5,4	RH	OK	22.5 dB @ 237.50MHz	N/A	>= 2.5 dB	20.0 dB
1,2	RH	OK	26.8 dB @ 249.50MHz	N/A	>= 1.2 dB	25.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.9 dB @ 249.50MHz	N/A	>= 13.2 dB	20.7 dB
3,6	DH	OK	32.1 dB @ 249.50MHz	N/A	>= 13.2 dB	18.9 dB
5,4	DH	OK	32.9 dB @ 250.00MHz	N/A	>= 13.2 dB	19.7 dB
1,2	DH	OK	34.6 dB @ 249.50MHz	N/A	>= 13.2 dB	21.4 dB
7,8	RH	OK	31.9 dB @ 249.50MHz	N/A	>= 13.2 dB	18.7 dB
3,6	RH	OK	32.3 dB @ 169.00MHz	N/A	>= 16.6 dB	15.7 dB
5,4	RH	OK	33.5 dB @ 250.00MHz	N/A	>= 13.2 dB	20.3 dB
1,2	RH	OK	35.7 dB @ 245.00MHz	N/A	>= 13.4 dB	22.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0120  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:22:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	66.0m	67.6m	68.9m	65.8m	< 90.0m	OK
Ritardo di propag.	320.8ns	328.2ns	334.1ns	319.7ns	< 510.0ns	OK
Diff. t. ritardo	14.4ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.9 Ohm	100.1 Ohm	99.8 Ohm	101.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.5 Ohm	12.9 Ohm	14.1 Ohm	12.6 Ohm	< 20.0 Ohm	OK
Capacità	46.8pF/m	47.2pF/m	47.3pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	10.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.0 dB @ 244.50MHz	N/A	> 35.5 dB	5.5 dB
7,8-5,4	DH	OK	54.0 dB @ 235.00MHz	N/A	> 35.8 dB	18.2 dB
7,8-1,2	DH	OK	60.1 dB @ 167.50MHz	N/A	> 38.2 dB	21.9 dB
3,6-5,4	DH	OK	53.7 dB @ 229.50MHz	N/A	> 35.9 dB	17.8 dB
3,6-1,2	DH	OK	47.4 dB @ 226.50MHz	N/A	> 36.0 dB	11.4 dB
5,4-1,2	DH	OK	47.6 dB @ 246.50MHz	N/A	> 35.4 dB	12.2 dB
7,8-3,6	RH	OK	45.8 dB @ 232.50MHz	N/A	> 35.8 dB	10.0 dB
7,8-5,4	RH	OK	46.9 dB @ 231.50MHz	N/A	> 35.9 dB	11.0 dB
7,8-1,2	RH	OK	50.8 dB @ 211.00MHz	N/A	> 36.5 dB	14.3 dB
3,6-5,4	RH	OK	50.0 dB @ 238.00MHz	N/A	> 35.7 dB	14.3 dB
3,6-1,2	RH	OK	46.7 dB @ 234.00MHz	N/A	> 35.8 dB	10.9 dB
5,4-1,2	RH	OK	49.6 dB @ 245.50MHz	N/A	> 35.4 dB	14.2 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.7 dB @ 219.00MHz	N/A	> 10.6 dB	6.1 dB
3,6	DH	OK	16.5 dB @ 233.50MHz	N/A	> 10.3 dB	6.2 dB
5,4	DH	OK	17.7 dB @ 233.00MHz	N/A	> 10.3 dB	7.4 dB
1,2	DH	OK	17.4 dB @ 217.50MHz	N/A	> 10.6 dB	6.8 dB
7,8	RH	OK	16.4 dB @ 217.00MHz	N/A	> 10.6 dB	5.8 dB
3,6	RH	OK	17.0 dB @ 224.00MHz	N/A	> 10.5 dB	6.5 dB
5,4	RH	OK	19.2 dB @ 233.00MHz	N/A	> 10.3 dB	8.9 dB
1,2	RH	OK	17.6 dB @ 219.50MHz	N/A	> 10.6 dB	7.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	20.4 dB @ 245.50MHz	N/A	< 30.8 dB	10.4 dB
3,6	OK	21.0 dB @ 249.00MHz	N/A	< 31.1 dB	10.1 dB
5,4	OK	20.7 dB @ 245.50MHz	N/A	< 30.8 dB	10.1 dB
1,2	OK	20.2 dB @ 249.50MHz	N/A	< 31.1 dB	10.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	20.9 dB @ 245.50MHz	N/A	>= 4.6 dB	16.3 dB
3,6	DH	OK	20.5 dB @ 243.50MHz	N/A	>= 4.8 dB	15.7 dB
5,4	DH	OK	27.1 dB @ 245.50MHz	N/A	>= 4.6 dB	22.5 dB
1,2	DH	OK	27.8 dB @ 246.00MHz	N/A	>= 4.5 dB	23.3 dB
7,8	RH	OK	25.9 dB @ 232.50MHz	N/A	>= 5.9 dB	20.0 dB
3,6	RH	OK	25.0 dB @ 238.50MHz	N/A	>= 5.4 dB	19.6 dB
5,4	RH	OK	26.6 dB @ 232.00MHz	N/A	>= 6.0 dB	20.6 dB
1,2	RH	OK	26.9 dB @ 249.50MHz	N/A	>= 4.2 dB	22.7 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0120  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:22:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.5 dB @ 250.00MHz	N/A	> 16.2 dB	15.3 dB
7,8-5,4	DH	OK	38.2 dB @ 248.50MHz	N/A	> 16.3 dB	21.9 dB
7,8-1,2	DH	OK	44.4 dB @ 249.50MHz	N/A	> 16.2 dB	28.2 dB
3,6-7,8	DH	OK	32.7 dB @ 250.00MHz	N/A	> 16.2 dB	16.5 dB
3,6-5,4	DH	OK	33.3 dB @ 185.00MHz	N/A	> 18.8 dB	14.5 dB
3,6-1,2	DH	OK	42.2 dB @ 198.50MHz	N/A	> 18.2 dB	24.0 dB
5,4-7,8	DH	OK	37.8 dB @ 249.50MHz	N/A	> 16.2 dB	21.6 dB
5,4-3,6	DH	OK	32.5 dB @ 213.00MHz	N/A	> 17.6 dB	14.9 dB
5,4-1,2	DH	OK	37.8 dB @ 249.50MHz	N/A	> 16.2 dB	21.6 dB
1,2-7,8	DH	OK	43.9 dB @ 250.00MHz	N/A	> 16.2 dB	27.7 dB
1,2-3,6	DH	OK	39.9 dB @ 202.00MHz	N/A	> 18.1 dB	21.8 dB
1,2-5,4	DH	OK	37.2 dB @ 249.50MHz	N/A	> 16.2 dB	21.0 dB
7,8-3,6	RH	OK	32.0 dB @ 250.00MHz	N/A	> 16.2 dB	15.8 dB
7,8-5,4	RH	OK	38.4 dB @ 249.00MHz	N/A	> 16.2 dB	22.2 dB
7,8-1,2	RH	OK	44.5 dB @ 249.50MHz	N/A	> 16.2 dB	28.3 dB
3,6-7,8	RH	OK	32.1 dB @ 249.00MHz	N/A	> 16.2 dB	15.9 dB
3,6-5,4	RH	OK	32.9 dB @ 213.50MHz	N/A	> 17.6 dB	15.3 dB
3,6-1,2	RH	OK	41.4 dB @ 198.50MHz	N/A	> 18.2 dB	23.2 dB
5,4-7,8	RH	OK	37.4 dB @ 249.50MHz	N/A	> 16.2 dB	21.2 dB
5,4-3,6	RH	OK	32.8 dB @ 215.50MHz	N/A	> 17.5 dB	15.3 dB
5,4-1,2	RH	OK	37.4 dB @ 248.50MHz	N/A	> 16.3 dB	21.1 dB
1,2-7,8	RH	OK	44.2 dB @ 249.50MHz	N/A	> 16.2 dB	28.0 dB
1,2-3,6	RH	OK	40.9 dB @ 200.50MHz	N/A	> 18.1 dB	22.8 dB
1,2-5,4	RH	OK	37.5 dB @ 249.50MHz	N/A	> 16.2 dB	21.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.8 dB @ 244.50MHz	N/A	> 32.5 dB	8.3 dB
3,6	DH	OK	40.6 dB @ 244.50MHz	N/A	> 32.5 dB	8.1 dB
5,4	DH	OK	46.6 dB @ 246.50MHz	N/A	> 32.4 dB	14.2 dB
1,2	DH	OK	46.3 dB @ 243.00MHz	N/A	> 32.5 dB	13.8 dB
7,8	RH	OK	43.0 dB @ 232.50MHz	N/A	> 32.8 dB	10.2 dB
3,6	RH	OK	42.6 dB @ 233.50MHz	N/A	> 32.8 dB	9.8 dB
5,4	RH	OK	44.9 dB @ 244.50MHz	N/A	> 32.5 dB	12.4 dB
1,2	RH	OK	44.9 dB @ 249.50MHz	N/A	> 32.3 dB	12.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	20.8 dB @ 245.50MHz	N/A	>= 1.6 dB	19.2 dB
3,6	DH	OK	20.0 dB @ 243.50MHz	N/A	>= 1.8 dB	18.2 dB
5,4	DH	OK	26.2 dB @ 245.50MHz	N/A	>= 1.6 dB	24.6 dB
1,2	DH	OK	26.7 dB @ 242.50MHz	N/A	>= 1.9 dB	24.8 dB
7,8	RH	OK	23.1 dB @ 231.50MHz	N/A	>= 3.1 dB	20.0 dB
3,6	RH	OK	22.2 dB @ 233.00MHz	N/A	>= 2.9 dB	19.3 dB
5,4	RH	OK	24.4 dB @ 245.50MHz	N/A	>= 1.6 dB	22.8 dB
1,2	RH	OK	24.7 dB @ 249.50MHz	N/A	>= 1.2 dB	23.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.3 dB @ 250.00MHz	N/A	>= 13.2 dB	18.1 dB
3,6	DH	OK	29.6 dB @ 249.00MHz	N/A	>= 13.2 dB	16.4 dB
5,4	DH	OK	31.9 dB @ 195.50MHz	N/A	>= 15.3 dB	16.6 dB
1,2	DH	OK	36.0 dB @ 249.50MHz	N/A	>= 13.2 dB	22.8 dB
7,8	RH	OK	30.9 dB @ 249.50MHz	N/A	>= 13.2 dB	17.7 dB
3,6	RH	OK	30.3 dB @ 249.00MHz	N/A	>= 13.2 dB	17.1 dB
5,4	RH	OK	31.6 dB @ 245.50MHz	N/A	>= 13.4 dB	18.2 dB
1,2	RH	OK	35.9 dB @ 249.50MHz	N/A	>= 13.2 dB	22.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

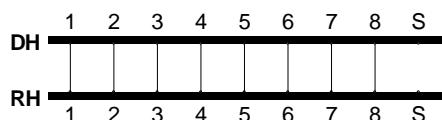
**OK**

ID cavo 1: 0121  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:24:01  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	68.9m	70.7m	72.6m	68.5m	< 90.0m	OK
Ritardo di propag.	334.3ns	342.7ns	351.5ns	332.2ns	< 510.0ns	OK
Diff. t. ritardo	19.3ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.5 Ohm	99.8 Ohm	97.3 Ohm	102.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	13.0 Ohm	13.4 Ohm	14.7 Ohm	13.2 Ohm	< 20.0 Ohm	OK
Capacità	47.0pF/m	47.4pF/m	48.5pF/m	46.2pF/m	< 66.0pF/m	OK
Riserva	9.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.7 dB @ 246.00MHz	N/A	> 35.4 dB	6.3 dB
7,8-5,4	DH	OK	50.1 dB @ 232.00MHz	N/A	> 35.8 dB	14.3 dB
7,8-1,2	DH	OK	55.2 dB @ 199.50MHz	N/A	> 36.9 dB	18.3 dB
3,6-5,4	DH	OK	53.3 dB @ 161.50MHz	N/A	> 38.4 dB	14.9 dB
3,6-1,2	DH	OK	45.5 dB @ 247.00MHz	N/A	> 35.4 dB	10.1 dB
5,4-1,2	DH	OK	50.6 dB @ 207.00MHz	N/A	> 36.7 dB	13.9 dB
7,8-3,6	RH	OK	45.4 dB @ 250.00MHz	N/A	> 35.3 dB	10.1 dB
7,8-5,4	RH	OK	45.4 dB @ 238.50MHz	N/A	> 35.7 dB	9.7 dB
7,8-1,2	RH	OK	52.6 dB @ 243.50MHz	N/A	> 35.5 dB	17.1 dB
3,6-5,4	RH	OK	52.2 dB @ 243.50MHz	N/A	> 35.5 dB	16.7 dB
3,6-1,2	RH	OK	45.4 dB @ 249.50MHz	N/A	> 35.3 dB	10.1 dB
5,4-1,2	RH	OK	48.3 dB @ 207.00MHz	N/A	> 36.7 dB	11.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.5 dB @ 226.00MHz	N/A	> 10.4 dB	6.1 dB
3,6	DH	OK	16.5 dB @ 225.00MHz	N/A	> 10.5 dB	6.0 dB
5,4	DH	OK	17.0 dB @ 228.00MHz	N/A	> 10.4 dB	6.6 dB
1,2	DH	OK	16.9 dB @ 223.00MHz	N/A	> 10.5 dB	6.4 dB
7,8	RH	OK	15.2 dB @ 168.00MHz	N/A	> 11.7 dB	3.5 dB
3,6	RH	OK	16.0 dB @ 230.50MHz	N/A	> 10.4 dB	5.6 dB
5,4	RH	OK	19.2 dB @ 220.50MHz	N/A	> 10.6 dB	8.6 dB
1,2	RH	OK	17.4 dB @ 223.00MHz	N/A	> 10.5 dB	6.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	21.1 dB @ 248.00MHz	N/A	< 31.0 dB	9.9 dB
3,6	OK	21.8 dB @ 248.50MHz	N/A	< 31.0 dB	9.2 dB
5,4	OK	22.5 dB @ 245.50MHz	N/A	< 30.8 dB	8.3 dB
1,2	OK	21.4 dB @ 250.00MHz	N/A	< 31.2 dB	9.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	20.8 dB @ 246.00MHz	N/A	>= 4.5 dB	16.3 dB
3,6	DH	OK	20.1 dB @ 246.00MHz	N/A	>= 4.5 dB	15.6 dB
5,4	DH	OK	28.8 dB @ 232.00MHz	N/A	>= 6.0 dB	22.8 dB
1,2	DH	OK	24.8 dB @ 247.00MHz	N/A	>= 4.5 dB	20.3 dB
7,8	RH	OK	24.6 dB @ 250.00MHz	N/A	>= 4.1 dB	20.5 dB
3,6	RH	OK	23.9 dB @ 250.00MHz	N/A	>= 4.1 dB	19.8 dB
5,4	RH	OK	23.4 dB @ 238.50MHz	N/A	>= 5.4 dB	18.0 dB
1,2	RH	OK	24.2 dB @ 250.00MHz	N/A	>= 4.1 dB	20.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0121  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:24:01  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.7 dB @ 164.50MHz	N/A	> 19.8 dB	16.9 dB
7,8-5,4	DH	OK	41.0 dB @ 249.50MHz	N/A	> 16.2 dB	24.8 dB
7,8-1,2	DH	OK	38.0 dB @ 250.00MHz	N/A	> 16.2 dB	21.8 dB
3,6-7,8	DH	OK	36.2 dB @ 166.00MHz	N/A	> 19.8 dB	16.4 dB
3,6-5,4	DH	OK	36.6 dB @ 178.50MHz	N/A	> 19.1 dB	17.5 dB
3,6-1,2	DH	OK	40.9 dB @ 250.00MHz	N/A	> 16.2 dB	24.7 dB
5,4-7,8	DH	OK	41.7 dB @ 222.50MHz	N/A	> 17.2 dB	24.5 dB
5,4-3,6	DH	OK	37.3 dB @ 185.50MHz	N/A	> 18.8 dB	18.5 dB
5,4-1,2	DH	OK	38.3 dB @ 232.00MHz	N/A	> 16.9 dB	21.4 dB
1,2-7,8	DH	OK	37.9 dB @ 222.50MHz	N/A	> 17.2 dB	20.7 dB
1,2-3,6	DH	OK	41.4 dB @ 248.00MHz	N/A	> 16.3 dB	25.1 dB
1,2-5,4	DH	OK	36.2 dB @ 242.50MHz	N/A	> 16.5 dB	19.7 dB
7,8-3,6	RH	OK	37.1 dB @ 165.50MHz	N/A	> 19.8 dB	17.3 dB
7,8-5,4	RH	OK	42.2 dB @ 249.50MHz	N/A	> 16.2 dB	26.0 dB
7,8-1,2	RH	OK	38.1 dB @ 229.00MHz	N/A	> 17.0 dB	21.1 dB
3,6-7,8	RH	OK	35.9 dB @ 166.00MHz	N/A	> 19.8 dB	16.1 dB
3,6-5,4	RH	OK	37.1 dB @ 178.50MHz	N/A	> 19.1 dB	18.0 dB
3,6-1,2	RH	OK	39.9 dB @ 247.00MHz	N/A	> 16.3 dB	23.6 dB
5,4-7,8	RH	OK	40.6 dB @ 224.50MHz	N/A	> 17.1 dB	23.5 dB
5,4-3,6	RH	OK	37.0 dB @ 185.50MHz	N/A	> 18.8 dB	18.2 dB
5,4-1,2	RH	OK	36.8 dB @ 238.50MHz	N/A	> 16.6 dB	20.2 dB
1,2-7,8	RH	OK	37.5 dB @ 250.00MHz	N/A	> 16.2 dB	21.3 dB
1,2-3,6	RH	OK	41.6 dB @ 250.00MHz	N/A	> 16.2 dB	25.4 dB
1,2-5,4	RH	OK	38.1 dB @ 237.00MHz	N/A	> 16.7 dB	21.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 246.00MHz	N/A	> 32.4 dB	8.9 dB
3,6	DH	OK	40.2 dB @ 246.00MHz	N/A	> 32.4 dB	7.8 dB
5,4	DH	OK	47.9 dB @ 232.00MHz	N/A	> 32.8 dB	15.1 dB
1,2	DH	OK	44.3 dB @ 247.00MHz	N/A	> 32.4 dB	11.9 dB
7,8	RH	OK	43.1 dB @ 250.00MHz	N/A	> 32.3 dB	10.8 dB
3,6	RH	OK	42.1 dB @ 250.00MHz	N/A	> 32.3 dB	9.8 dB
5,4	RH	OK	44.5 dB @ 238.50MHz	N/A	> 32.7 dB	11.8 dB
1,2	RH	OK	43.6 dB @ 249.50MHz	N/A	> 32.3 dB	11.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	20.4 dB @ 246.00MHz	N/A	>= 1.5 dB	18.9 dB
3,6	DH	OK	18.6 dB @ 246.00MHz	N/A	>= 1.5 dB	17.1 dB
5,4	DH	OK	26.5 dB @ 247.00MHz	N/A	>= 1.5 dB	25.0 dB
1,2	DH	OK	23.6 dB @ 247.00MHz	N/A	>= 1.5 dB	22.1 dB
7,8	RH	OK	22.3 dB @ 250.00MHz	N/A	>= 1.1 dB	21.2 dB
3,6	RH	OK	20.6 dB @ 250.00MHz	N/A	>= 1.1 dB	19.5 dB
5,4	RH	OK	22.5 dB @ 238.50MHz	N/A	>= 2.4 dB	20.1 dB
1,2	RH	OK	22.4 dB @ 250.00MHz	N/A	>= 1.1 dB	21.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.8 dB @ 166.00MHz	N/A	>= 16.8 dB	18.0 dB
3,6	DH	OK	33.7 dB @ 172.00MHz	N/A	>= 16.4 dB	17.3 dB
5,4	DH	OK	33.6 dB @ 242.50MHz	N/A	>= 13.5 dB	20.1 dB
1,2	DH	OK	35.0 dB @ 250.00MHz	N/A	>= 13.2 dB	21.8 dB
7,8	RH	OK	35.6 dB @ 165.50MHz	N/A	>= 16.8 dB	18.8 dB
3,6	RH	OK	33.3 dB @ 172.00MHz	N/A	>= 16.4 dB	16.9 dB
5,4	RH	OK	34.9 dB @ 242.50MHz	N/A	>= 13.5 dB	21.4 dB
1,2	RH	OK	34.5 dB @ 250.00MHz	N/A	>= 13.2 dB	21.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

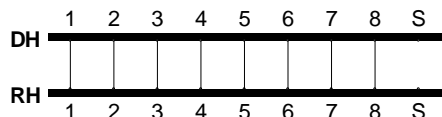
**OK**

ID cavo 1: 0122  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:25:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	77.5m	79.5m	81.1m	76.9m	< 90.0m	OK
Ritardo di propag.	374.0ns	383.2ns	390.7ns	371.4ns	< 510.0ns	OK
Diff. t. ritardo	19.3ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.6 Ohm	100.2 Ohm	99.2 Ohm	102.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	14.5 Ohm	15.6 Ohm	16.6 Ohm	15.1 Ohm	< 20.0 Ohm	OK
Capacità	46.9pF/m	47.1pF/m	47.6pF/m	46.2pF/m	< 66.0pF/m	OK
Riserva	10.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.4 dB @ 246.00MHz	N/A	> 35.4 dB	7.0 dB
7,8-5,4	DH	OK	54.2 dB @ 219.00MHz	N/A	> 36.3 dB	17.9 dB
7,8-1,2	DH	OK	61.2 dB @ 198.00MHz	N/A	> 37.0 dB	24.2 dB
3,6-5,4	DH	OK	52.6 dB @ 160.50MHz	N/A	> 38.5 dB	14.1 dB
3,6-1,2	DH	OK	48.6 dB @ 242.00MHz	N/A	> 35.5 dB	13.1 dB
5,4-1,2	DH	OK	49.4 dB @ 212.00MHz	N/A	> 36.5 dB	12.9 dB
7,8-3,6	RH	OK	46.2 dB @ 233.00MHz	N/A	> 35.8 dB	10.4 dB
7,8-5,4	RH	OK	46.9 dB @ 238.00MHz	N/A	> 35.7 dB	11.2 dB
7,8-1,2	RH	OK	56.9 dB @ 224.50MHz	N/A	> 36.1 dB	20.8 dB
3,6-5,4	RH	OK	51.9 dB @ 248.00MHz	N/A	> 35.4 dB	16.5 dB
3,6-1,2	RH	OK	47.9 dB @ 249.50MHz	N/A	> 35.3 dB	12.6 dB
5,4-1,2	RH	OK	51.7 dB @ 249.00MHz	N/A	> 35.3 dB	16.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.6 dB @ 227.00MHz	N/A	> 10.4 dB	5.2 dB
3,6	DH	OK	16.0 dB @ 230.50MHz	N/A	> 10.4 dB	5.6 dB
5,4	DH	OK	17.4 dB @ 229.50MHz	N/A	> 10.4 dB	7.0 dB
1,2	DH	OK	17.0 dB @ 222.50MHz	N/A	> 10.5 dB	6.5 dB
7,8	RH	OK	17.1 dB @ 223.00MHz	N/A	> 10.5 dB	6.6 dB
3,6	RH	OK	16.8 dB @ 227.50MHz	N/A	> 10.4 dB	6.4 dB
5,4	RH	OK	19.2 dB @ 227.50MHz	N/A	> 10.4 dB	8.8 dB
1,2	RH	OK	18.2 dB @ 169.50MHz	N/A	> 11.7 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	23.8 dB @ 243.00MHz	N/A	< 30.6 dB	6.8 dB
3,6	OK	24.8 dB @ 249.00MHz	N/A	< 31.1 dB	6.3 dB
5,4	OK	24.3 dB @ 248.50MHz	N/A	< 31.0 dB	6.7 dB
1,2	OK	23.1 dB @ 250.00MHz	N/A	< 31.2 dB	8.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	18.8 dB @ 246.00MHz	N/A	>= 4.5 dB	14.3 dB
3,6	DH	OK	17.8 dB @ 249.00MHz	N/A	>= 4.2 dB	13.6 dB
5,4	DH	OK	25.9 dB @ 242.50MHz	N/A	>= 4.9 dB	21.0 dB
1,2	DH	OK	25.9 dB @ 242.00MHz	N/A	>= 4.9 dB	21.0 dB
7,8	RH	OK	23.3 dB @ 233.50MHz	N/A	>= 5.9 dB	17.4 dB
3,6	RH	OK	22.4 dB @ 233.50MHz	N/A	>= 5.9 dB	16.5 dB
5,4	RH	OK	23.3 dB @ 238.00MHz	N/A	>= 5.4 dB	17.9 dB
1,2	RH	OK	25.0 dB @ 249.00MHz	N/A	>= 4.2 dB	20.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0122  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:25:27  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	28.0 dB @ 249.00MHz	N/A	> 16.2 dB	11.8 dB
7,8-5,4	DH	OK	39.5 dB @ 195.50MHz	N/A	> 18.3 dB	21.2 dB
7,8-1,2	DH	OK	39.7 dB @ 232.00MHz	N/A	> 16.9 dB	22.8 dB
3,6-7,8	DH	OK	28.5 dB @ 234.50MHz	N/A	> 16.8 dB	11.7 dB
3,6-5,4	DH	OK	31.7 dB @ 249.00MHz	N/A	> 16.2 dB	15.5 dB
3,6-1,2	DH	OK	40.9 dB @ 181.50MHz	N/A	> 19.0 dB	21.9 dB
5,4-7,8	DH	OK	39.8 dB @ 199.50MHz	N/A	> 18.2 dB	21.6 dB
5,4-3,6	DH	OK	31.0 dB @ 249.00MHz	N/A	> 16.2 dB	14.8 dB
5,4-1,2	DH	OK	37.2 dB @ 211.50MHz	N/A	> 17.7 dB	19.5 dB
1,2-7,8	DH	OK	38.2 dB @ 220.50MHz	N/A	> 17.3 dB	20.9 dB
1,2-3,6	DH	OK	36.6 dB @ 233.50MHz	N/A	> 16.8 dB	19.8 dB
1,2-5,4	DH	OK	36.6 dB @ 210.50MHz	N/A	> 17.7 dB	18.9 dB
7,8-3,6	RH	OK	29.3 dB @ 249.50MHz	N/A	> 16.2 dB	13.1 dB
7,8-5,4	RH	OK	40.0 dB @ 195.50MHz	N/A	> 18.3 dB	21.7 dB
7,8-1,2	RH	OK	38.9 dB @ 234.50MHz	N/A	> 16.8 dB	22.1 dB
3,6-7,8	RH	OK	28.1 dB @ 241.00MHz	N/A	> 16.5 dB	11.6 dB
3,6-5,4	RH	OK	31.1 dB @ 249.00MHz	N/A	> 16.2 dB	14.9 dB
3,6-1,2	RH	OK	39.7 dB @ 181.50MHz	N/A	> 19.0 dB	20.7 dB
5,4-7,8	RH	OK	39.4 dB @ 194.00MHz	N/A	> 18.4 dB	21.0 dB
5,4-3,6	RH	OK	31.6 dB @ 249.00MHz	N/A	> 16.2 dB	15.4 dB
5,4-1,2	RH	OK	36.4 dB @ 212.00MHz	N/A	> 17.6 dB	18.8 dB
1,2-7,8	RH	OK	38.6 dB @ 214.50MHz	N/A	> 17.5 dB	21.1 dB
1,2-3,6	RH	OK	37.8 dB @ 232.00MHz	N/A	> 16.9 dB	20.9 dB
1,2-5,4	RH	OK	37.4 dB @ 211.50MHz	N/A	> 17.7 dB	19.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.3 dB @ 246.00MHz	N/A	> 32.4 dB	9.9 dB
3,6	DH	OK	41.3 dB @ 246.00MHz	N/A	> 32.4 dB	8.9 dB
5,4	DH	OK	47.9 dB @ 212.00MHz	N/A	> 33.5 dB	14.4 dB
1,2	DH	OK	46.2 dB @ 242.50MHz	N/A	> 32.5 dB	13.7 dB
7,8	RH	OK	44.3 dB @ 234.00MHz	N/A	> 32.8 dB	11.5 dB
3,6	RH	OK	44.0 dB @ 233.00MHz	N/A	> 32.8 dB	11.2 dB
5,4	RH	OK	45.7 dB @ 239.50MHz	N/A	> 32.6 dB	13.1 dB
1,2	RH	OK	46.1 dB @ 249.00MHz	N/A	> 32.3 dB	13.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	18.7 dB @ 246.00MHz	N/A	>= 1.5 dB	17.2 dB
3,6	DH	OK	17.1 dB @ 249.00MHz	N/A	>= 1.2 dB	15.9 dB
5,4	DH	OK	24.5 dB @ 243.00MHz	N/A	>= 1.9 dB	22.6 dB
1,2	DH	OK	23.3 dB @ 242.50MHz	N/A	>= 1.9 dB	21.4 dB
7,8	RH	OK	21.1 dB @ 234.50MHz	N/A	>= 2.8 dB	18.3 dB
3,6	RH	OK	20.0 dB @ 249.00MHz	N/A	>= 1.2 dB	18.8 dB
5,4	RH	OK	22.1 dB @ 238.00MHz	N/A	>= 2.4 dB	19.7 dB
1,2	RH	OK	23.2 dB @ 249.00MHz	N/A	>= 1.2 dB	22.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.3 dB @ 234.50MHz	N/A	>= 13.8 dB	14.5 dB
3,6	DH	OK	26.1 dB @ 249.00MHz	N/A	>= 13.2 dB	12.9 dB
5,4	DH	OK	31.2 dB @ 248.50MHz	N/A	>= 13.3 dB	17.9 dB
1,2	DH	OK	35.8 dB @ 211.50MHz	N/A	>= 14.7 dB	21.1 dB
7,8	RH	OK	29.0 dB @ 249.50MHz	N/A	>= 13.2 dB	15.8 dB
3,6	RH	OK	26.5 dB @ 249.00MHz	N/A	>= 13.2 dB	13.3 dB
5,4	RH	OK	31.1 dB @ 249.00MHz	N/A	>= 13.2 dB	17.9 dB
1,2	RH	OK	34.5 dB @ 211.50MHz	N/A	>= 14.7 dB	19.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0123  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:26:30  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	77.3m	79.2m	80.9m	76.7m	< 90.0m	OK
Ritardo di propag.	373.0ns	381.9ns	389.9ns	370.2ns	< 510.0ns	OK
Diff. t. ritardo	19.7ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.6 Ohm	100.1 Ohm	98.9 Ohm	102.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	14.7 Ohm	15.7 Ohm	16.4 Ohm	15.3 Ohm	< 20.0 Ohm	OK
Capacità	46.9pF/m	47.2pF/m	47.7pF/m	46.1pF/m	< 66.0pF/m	OK
Riserva	9.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 243.00MHz	N/A	> 35.5 dB	6.0 dB
7,8-5,4	DH	OK	51.5 dB @ 233.00MHz	N/A	> 35.8 dB	15.7 dB
7,8-1,2	DH	OK	56.2 dB @ 167.00MHz	N/A	> 38.2 dB	18.0 dB
3,6-5,4	DH	OK	51.9 dB @ 232.50MHz	N/A	> 35.8 dB	16.1 dB
3,6-1,2	DH	OK	46.5 dB @ 243.00MHz	N/A	> 35.5 dB	11.0 dB
5,4-1,2	DH	OK	48.5 dB @ 244.00MHz	N/A	> 35.5 dB	13.0 dB
7,8-3,6	RH	OK	46.3 dB @ 241.50MHz	N/A	> 35.6 dB	10.7 dB
7,8-5,4	RH	OK	46.8 dB @ 233.50MHz	N/A	> 35.8 dB	11.0 dB
7,8-1,2	RH	OK	52.5 dB @ 244.50MHz	N/A	> 35.5 dB	17.0 dB
3,6-5,4	RH	OK	52.3 dB @ 250.00MHz	N/A	> 35.3 dB	17.0 dB
3,6-1,2	RH	OK	47.1 dB @ 240.50MHz	N/A	> 35.6 dB	11.5 dB
5,4-1,2	RH	OK	53.6 dB @ 213.00MHz	N/A	> 36.5 dB	17.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.7 dB @ 225.00MHz	N/A	> 10.5 dB	4.2 dB
3,6	DH	OK	16.5 dB @ 223.50MHz	N/A	> 10.5 dB	6.0 dB
5,4	DH	OK	17.7 dB @ 238.00MHz	N/A	> 10.2 dB	7.5 dB
1,2	DH	OK	17.2 dB @ 227.50MHz	N/A	> 10.4 dB	6.8 dB
7,8	RH	OK	15.6 dB @ 221.50MHz	N/A	> 10.5 dB	5.1 dB
3,6	RH	OK	16.9 dB @ 223.50MHz	N/A	> 10.5 dB	6.4 dB
5,4	RH	OK	18.8 dB @ 239.00MHz	N/A	> 10.2 dB	8.6 dB
1,2	RH	OK	17.7 dB @ 168.50MHz	N/A	> 11.7 dB	6.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	23.4 dB @ 246.50MHz	N/A	< 30.9 dB	7.5 dB
3,6	OK	24.4 dB @ 250.00MHz	N/A	< 31.2 dB	6.8 dB
5,4	OK	24.4 dB @ 250.00MHz	N/A	< 31.2 dB	6.8 dB
1,2	OK	22.9 dB @ 238.50MHz	N/A	< 30.3 dB	7.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	18.5 dB @ 246.50MHz	N/A	>= 4.5 dB	14.0 dB
3,6	DH	OK	17.3 dB @ 243.00MHz	N/A	>= 4.9 dB	12.4 dB
5,4	DH	OK	24.8 dB @ 243.50MHz	N/A	>= 4.8 dB	20.0 dB
1,2	DH	OK	23.9 dB @ 243.00MHz	N/A	>= 4.9 dB	19.0 dB
7,8	RH	OK	23.4 dB @ 241.50MHz	N/A	>= 5.1 dB	18.3 dB
3,6	RH	OK	22.4 dB @ 241.50MHz	N/A	>= 5.1 dB	17.3 dB
5,4	RH	OK	23.3 dB @ 233.50MHz	N/A	>= 5.9 dB	17.4 dB
1,2	RH	OK	24.6 dB @ 240.50MHz	N/A	>= 5.2 dB	19.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0123  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:26:30  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.6 dB @ 250.00MHz	N/A	> 16.2 dB	15.4 dB
7,8-5,4	DH	OK	45.2 dB @ 234.00MHz	N/A	> 16.8 dB	28.4 dB
7,8-1,2	DH	OK	41.5 dB @ 249.00MHz	N/A	> 16.2 dB	25.3 dB
3,6-7,8	DH	OK	30.6 dB @ 239.00MHz	N/A	> 16.6 dB	14.0 dB
3,6-5,4	DH	OK	32.3 dB @ 250.00MHz	N/A	> 16.2 dB	16.1 dB
3,6-1,2	DH	OK	38.2 dB @ 180.50MHz	N/A	> 19.0 dB	19.2 dB
5,4-7,8	DH	OK	45.6 dB @ 217.00MHz	N/A	> 17.4 dB	28.2 dB
5,4-3,6	DH	OK	32.8 dB @ 250.00MHz	N/A	> 16.2 dB	16.6 dB
5,4-1,2	DH	OK	40.8 dB @ 162.00MHz	N/A	> 20.0 dB	20.8 dB
1,2-7,8	DH	OK	39.9 dB @ 237.00MHz	N/A	> 16.7 dB	23.2 dB
1,2-3,6	DH	OK	33.7 dB @ 236.00MHz	N/A	> 16.7 dB	17.0 dB
1,2-5,4	DH	OK	40.0 dB @ 161.50MHz	N/A	> 20.0 dB	20.0 dB
7,8-3,6	RH	OK	32.7 dB @ 248.00MHz	N/A	> 16.3 dB	16.4 dB
7,8-5,4	RH	OK	45.8 dB @ 234.00MHz	N/A	> 16.8 dB	29.0 dB
7,8-1,2	RH	OK	41.0 dB @ 249.00MHz	N/A	> 16.2 dB	24.8 dB
3,6-7,8	RH	OK	29.7 dB @ 236.00MHz	N/A	> 16.7 dB	13.0 dB
3,6-5,4	RH	OK	32.3 dB @ 250.00MHz	N/A	> 16.2 dB	16.1 dB
3,6-1,2	RH	OK	36.9 dB @ 179.00MHz	N/A	> 19.1 dB	17.8 dB
5,4-7,8	RH	OK	44.7 dB @ 250.00MHz	N/A	> 16.2 dB	28.5 dB
5,4-3,6	RH	OK	32.8 dB @ 250.00MHz	N/A	> 16.2 dB	16.6 dB
5,4-1,2	RH	OK	39.8 dB @ 161.50MHz	N/A	> 20.0 dB	19.8 dB
1,2-7,8	RH	OK	40.1 dB @ 237.00MHz	N/A	> 16.7 dB	23.4 dB
1,2-3,6	RH	OK	35.6 dB @ 237.00MHz	N/A	> 16.7 dB	18.9 dB
1,2-5,4	RH	OK	41.2 dB @ 165.50MHz	N/A	> 19.8 dB	21.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 243.00MHz	N/A	> 32.5 dB	8.9 dB
3,6	DH	OK	40.2 dB @ 243.00MHz	N/A	> 32.5 dB	7.7 dB
5,4	DH	OK	47.8 dB @ 244.00MHz	N/A	> 32.5 dB	15.3 dB
1,2	DH	OK	44.4 dB @ 243.50MHz	N/A	> 32.5 dB	11.9 dB
7,8	RH	OK	43.7 dB @ 242.00MHz	N/A	> 32.5 dB	11.2 dB
3,6	RH	OK	43.5 dB @ 240.50MHz	N/A	> 32.6 dB	10.9 dB
5,4	RH	OK	45.9 dB @ 233.50MHz	N/A	> 32.8 dB	13.1 dB
1,2	RH	OK	45.7 dB @ 240.50MHz	N/A	> 32.6 dB	13.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	18.3 dB @ 246.50MHz	N/A	>= 1.5 dB	16.8 dB
3,6	DH	OK	16.0 dB @ 243.00MHz	N/A	>= 1.9 dB	14.1 dB
5,4	DH	OK	24.1 dB @ 243.50MHz	N/A	>= 1.8 dB	22.3 dB
1,2	DH	OK	21.8 dB @ 243.00MHz	N/A	>= 1.9 dB	19.9 dB
7,8	RH	OK	20.6 dB @ 242.00MHz	N/A	>= 1.9 dB	18.7 dB
3,6	RH	OK	19.5 dB @ 241.00MHz	N/A	>= 2.1 dB	17.4 dB
5,4	RH	OK	22.2 dB @ 248.00MHz	N/A	>= 1.4 dB	20.8 dB
1,2	RH	OK	23.2 dB @ 240.50MHz	N/A	>= 2.2 dB	21.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.0 dB @ 237.00MHz	N/A	>= 13.7 dB	16.3 dB
3,6	DH	OK	28.7 dB @ 250.00MHz	N/A	>= 13.2 dB	15.5 dB
5,4	DH	OK	31.8 dB @ 250.00MHz	N/A	>= 13.2 dB	18.6 dB
1,2	DH	OK	37.0 dB @ 176.50MHz	N/A	>= 16.2 dB	20.8 dB
7,8	RH	OK	32.1 dB @ 248.00MHz	N/A	>= 13.3 dB	18.8 dB
3,6	RH	OK	28.1 dB @ 236.00MHz	N/A	>= 13.7 dB	14.4 dB
5,4	RH	OK	31.9 dB @ 250.00MHz	N/A	>= 13.2 dB	18.7 dB
1,2	RH	OK	34.2 dB @ 237.00MHz	N/A	>= 13.7 dB	20.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

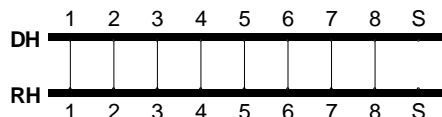
ID cavo 1: 0124  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:28:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	70.4m	72.1m	73.3m	70.0m	< 90.0m	OK
Ritardo di propag.	341.0ns	349.2ns	354.8ns	339.4ns	< 510.0ns	OK
Diff. t. ritardo	15.4ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.8 Ohm	99.8 Ohm	99.8 Ohm	101.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	13.2 Ohm	13.5 Ohm	14.4 Ohm	13.3 Ohm	< 20.0 Ohm	OK
Capacità	46.8pF/m	47.4pF/m	47.3pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	10.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.0 dB @ 242.50MHz	N/A	> 35.5 dB	6.5 dB
7,8-5,4	DH	OK	52.9 dB @ 235.00MHz	N/A	> 35.8 dB	17.1 dB
7,8-1,2	DH	OK	59.7 dB @ 208.00MHz	N/A	> 36.6 dB	23.1 dB
3,6-5,4	DH	OK	54.5 dB @ 224.00MHz	N/A	> 36.1 dB	18.4 dB
3,6-1,2	DH	OK	47.6 dB @ 230.00MHz	N/A	> 35.9 dB	11.7 dB
5,4-1,2	DH	OK	48.8 dB @ 244.50MHz	N/A	> 35.5 dB	13.3 dB
7,8-3,6	RH	OK	42.6 dB @ 245.00MHz	N/A	> 35.5 dB	7.1 dB
7,8-5,4	RH	OK	47.3 dB @ 240.00MHz	N/A	> 35.6 dB	11.7 dB
7,8-1,2	RH	OK	46.7 dB @ 245.50MHz	N/A	> 35.4 dB	11.3 dB
3,6-5,4	RH	OK	51.3 dB @ 243.50MHz	N/A	> 35.5 dB	15.8 dB
3,6-1,2	RH	OK	50.0 dB @ 186.50MHz	N/A	> 37.4 dB	12.6 dB
5,4-1,2	RH	OK	50.1 dB @ 242.50MHz	N/A	> 35.5 dB	14.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.9 dB @ 235.00MHz	N/A	> 10.3 dB	6.6 dB
3,6	DH	OK	15.5 dB @ 231.00MHz	N/A	> 10.4 dB	5.1 dB
5,4	DH	OK	17.3 dB @ 236.50MHz	N/A	> 10.3 dB	7.0 dB
1,2	DH	OK	17.5 dB @ 218.50MHz	N/A	> 10.6 dB	6.9 dB
7,8	RH	OK	16.7 dB @ 165.50MHz	N/A	> 11.8 dB	4.9 dB
3,6	RH	OK	14.0 dB @ 223.00MHz	N/A	> 10.5 dB	3.5 dB
5,4	RH	OK	17.6 dB @ 220.00MHz	N/A	> 10.6 dB	7.0 dB
1,2	RH	OK	18.6 dB @ 226.00MHz	N/A	> 10.4 dB	8.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	21.6 dB @ 249.00MHz	N/A	< 31.1 dB	9.5 dB
3,6	OK	22.8 dB @ 243.00MHz	N/A	< 30.6 dB	7.8 dB
5,4	OK	21.9 dB @ 250.00MHz	N/A	< 31.2 dB	9.3 dB
1,2	OK	21.7 dB @ 247.50MHz	N/A	< 31.0 dB	9.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	20.8 dB @ 241.00MHz	N/A	>= 5.1 dB	15.7 dB
3,6	DH	OK	19.4 dB @ 243.00MHz	N/A	>= 4.9 dB	14.5 dB
5,4	DH	OK	27.2 dB @ 244.50MHz	N/A	>= 4.8 dB	22.4 dB
1,2	DH	OK	26.6 dB @ 249.00MHz	N/A	>= 4.2 dB	22.4 dB
7,8	RH	OK	21.3 dB @ 244.50MHz	N/A	>= 4.8 dB	16.5 dB
3,6	RH	OK	20.5 dB @ 245.00MHz	N/A	>= 4.7 dB	15.8 dB
5,4	RH	OK	25.7 dB @ 240.00MHz	N/A	>= 5.2 dB	20.5 dB
1,2	RH	OK	25.3 dB @ 247.50MHz	N/A	>= 4.4 dB	20.9 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0124  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:28:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.9 dB @ 249.50MHz	N/A	> 16.2 dB	19.7 dB
7,8-5,4	DH	OK	32.5 dB @ 217.00MHz	N/A	> 17.4 dB	15.1 dB
7,8-1,2	DH	OK	33.6 dB @ 247.50MHz	N/A	> 16.3 dB	17.3 dB
3,6-7,8	DH	OK	34.2 dB @ 250.00MHz	N/A	> 16.2 dB	18.0 dB
3,6-5,4	DH	OK	36.9 dB @ 191.50MHz	N/A	> 18.5 dB	18.4 dB
3,6-1,2	DH	OK	38.5 dB @ 155.50MHz	N/A	> 20.3 dB	18.2 dB
5,4-7,8	DH	OK	32.8 dB @ 232.00MHz	N/A	> 16.9 dB	15.9 dB
5,4-3,6	DH	OK	36.5 dB @ 243.00MHz	N/A	> 16.5 dB	20.0 dB
5,4-1,2	DH	OK	35.5 dB @ 178.50MHz	N/A	> 19.1 dB	16.4 dB
1,2-7,8	DH	OK	32.2 dB @ 244.50MHz	N/A	> 16.4 dB	15.8 dB
1,2-3,6	DH	OK	40.5 dB @ 148.00MHz	N/A	> 20.7 dB	19.8 dB
1,2-5,4	DH	OK	34.8 dB @ 179.50MHz	N/A	> 19.1 dB	15.7 dB
7,8-3,6	RH	OK	36.4 dB @ 249.00MHz	N/A	> 16.2 dB	20.2 dB
7,8-5,4	RH	OK	32.5 dB @ 223.50MHz	N/A	> 17.2 dB	15.3 dB
7,8-1,2	RH	OK	33.7 dB @ 249.00MHz	N/A	> 16.2 dB	17.5 dB
3,6-7,8	RH	OK	33.5 dB @ 250.00MHz	N/A	> 16.2 dB	17.3 dB
3,6-5,4	RH	OK	36.6 dB @ 192.50MHz	N/A	> 18.5 dB	18.1 dB
3,6-1,2	RH	OK	37.8 dB @ 155.50MHz	N/A	> 20.3 dB	17.5 dB
5,4-7,8	RH	OK	32.6 dB @ 235.00MHz	N/A	> 16.7 dB	15.9 dB
5,4-3,6	RH	OK	36.9 dB @ 234.00MHz	N/A	> 16.8 dB	20.1 dB
5,4-1,2	RH	OK	35.7 dB @ 181.00MHz	N/A	> 19.0 dB	16.7 dB
1,2-7,8	RH	OK	32.3 dB @ 244.50MHz	N/A	> 16.4 dB	15.9 dB
1,2-3,6	RH	OK	41.2 dB @ 147.00MHz	N/A	> 20.8 dB	20.4 dB
1,2-5,4	RH	OK	34.6 dB @ 178.50MHz	N/A	> 19.1 dB	15.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.7 dB @ 240.50MHz	N/A	> 32.6 dB	9.1 dB
3,6	DH	OK	41.4 dB @ 240.50MHz	N/A	> 32.6 dB	8.8 dB
5,4	DH	OK	48.1 dB @ 245.00MHz	N/A	> 32.5 dB	15.6 dB
1,2	DH	OK	45.3 dB @ 245.00MHz	N/A	> 32.5 dB	12.8 dB
7,8	RH	OK	40.3 dB @ 245.00MHz	N/A	> 32.5 dB	7.8 dB
3,6	RH	OK	41.8 dB @ 245.00MHz	N/A	> 32.5 dB	9.3 dB
5,4	RH	OK	45.0 dB @ 245.00MHz	N/A	> 32.5 dB	12.5 dB
1,2	RH	OK	44.4 dB @ 219.50MHz	N/A	> 33.2 dB	11.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	20.5 dB @ 241.00MHz	N/A	>= 2.1 dB	18.4 dB
3,6	DH	OK	18.9 dB @ 243.00MHz	N/A	>= 1.9 dB	17.0 dB
5,4	DH	OK	26.3 dB @ 245.00MHz	N/A	>= 1.7 dB	24.6 dB
1,2	DH	OK	24.2 dB @ 245.00MHz	N/A	>= 1.7 dB	22.5 dB
7,8	RH	OK	19.0 dB @ 244.50MHz	N/A	>= 1.8 dB	17.2 dB
3,6	RH	OK	19.7 dB @ 243.00MHz	N/A	>= 1.9 dB	17.8 dB
5,4	RH	OK	23.2 dB @ 245.00MHz	N/A	>= 1.7 dB	21.5 dB
1,2	RH	OK	22.9 dB @ 247.50MHz	N/A	>= 1.4 dB	21.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.9 dB @ 249.00MHz	N/A	>= 13.2 dB	15.7 dB
3,6	DH	OK	33.8 dB @ 249.00MHz	N/A	>= 13.2 dB	20.6 dB
5,4	DH	OK	30.3 dB @ 234.00MHz	N/A	>= 13.8 dB	16.5 dB
1,2	DH	OK	31.9 dB @ 243.50MHz	N/A	>= 13.4 dB	18.5 dB
7,8	RH	OK	30.2 dB @ 249.00MHz	N/A	>= 13.2 dB	17.0 dB
3,6	RH	OK	32.2 dB @ 250.00MHz	N/A	>= 13.2 dB	19.0 dB
5,4	RH	OK	30.2 dB @ 238.00MHz	N/A	>= 13.6 dB	16.6 dB
1,2	RH	OK	31.0 dB @ 238.00MHz	N/A	>= 13.6 dB	17.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

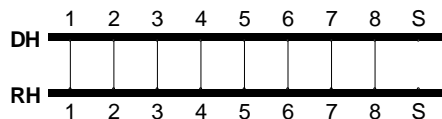
**OK**

ID cavo 1: 0125  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:29:43  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	74.3m	76.2m	78.3m	73.7m	< 90.0m	OK
Ritardo di propag.	359.1ns	368.0ns	377.7ns	356.3ns	< 510.0ns	OK
Diff. t. ritardo	21.4ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.9 Ohm	100.5 Ohm	97.6 Ohm	102.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	13.8 Ohm	14.1 Ohm	15.3 Ohm	13.9 Ohm	< 20.0 Ohm	OK
Capacità	46.8pF/m	47.0pF/m	48.4pF/m	46.0pF/m	< 66.0pF/m	OK
Riserva	9.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.9 dB @ 240.50MHz	N/A	> 35.6 dB	6.3 dB
7,8-5,4	DH	OK	51.4 dB @ 232.00MHz	N/A	> 35.8 dB	15.6 dB
7,8-1,2	DH	OK	59.3 dB @ 191.00MHz	N/A	> 37.2 dB	22.1 dB
3,6-5,4	DH	OK	52.0 dB @ 165.50MHz	N/A	> 38.2 dB	13.8 dB
3,6-1,2	DH	OK	44.4 dB @ 243.00MHz	N/A	> 35.5 dB	8.9 dB
5,4-1,2	DH	OK	49.1 dB @ 245.00MHz	N/A	> 35.5 dB	13.6 dB
7,8-3,6	RH	OK	46.6 dB @ 192.50MHz	N/A	> 37.2 dB	9.4 dB
7,8-5,4	RH	OK	46.9 dB @ 241.50MHz	N/A	> 35.6 dB	11.3 dB
7,8-1,2	RH	OK	55.0 dB @ 211.00MHz	N/A	> 36.5 dB	18.5 dB
3,6-5,4	RH	OK	51.3 dB @ 234.50MHz	N/A	> 35.8 dB	15.5 dB
3,6-1,2	RH	OK	44.9 dB @ 224.00MHz	N/A	> 36.1 dB	8.8 dB
5,4-1,2	RH	OK	51.4 dB @ 249.50MHz	N/A	> 35.3 dB	16.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.0 dB @ 226.00MHz	N/A	> 10.4 dB	6.6 dB
3,6	DH	OK	16.3 dB @ 231.50MHz	N/A	> 10.3 dB	6.0 dB
5,4	DH	OK	17.4 dB @ 227.50MHz	N/A	> 10.4 dB	7.0 dB
1,2	DH	OK	18.0 dB @ 220.50MHz	N/A	> 10.6 dB	7.4 dB
7,8	RH	OK	15.2 dB @ 233.50MHz	N/A	> 10.3 dB	4.9 dB
3,6	RH	OK	17.2 dB @ 232.00MHz	N/A	> 10.3 dB	6.9 dB
5,4	RH	OK	16.5 dB @ 227.00MHz	N/A	> 10.4 dB	6.1 dB
1,2	RH	OK	16.2 dB @ 217.00MHz	N/A	> 10.6 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	22.8 dB @ 249.00MHz	N/A	< 31.1 dB	8.3 dB
3,6	OK	23.5 dB @ 248.50MHz	N/A	< 31.0 dB	7.5 dB
5,4	OK	24.0 dB @ 248.50MHz	N/A	< 31.0 dB	7.0 dB
1,2	OK	22.2 dB @ 249.00MHz	N/A	< 31.1 dB	8.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	19.9 dB @ 239.50MHz	N/A	>= 5.2 dB	14.7 dB
3,6	DH	OK	18.7 dB @ 241.50MHz	N/A	>= 5.1 dB	13.6 dB
5,4	DH	OK	25.3 dB @ 243.50MHz	N/A	>= 4.8 dB	20.5 dB
1,2	DH	OK	23.0 dB @ 243.00MHz	N/A	>= 4.9 dB	18.1 dB
7,8	RH	OK	24.5 dB @ 235.50MHz	N/A	>= 5.6 dB	18.9 dB
3,6	RH	OK	22.6 dB @ 224.00MHz	N/A	>= 6.9 dB	15.7 dB
5,4	RH	OK	23.2 dB @ 241.00MHz	N/A	>= 5.1 dB	18.1 dB
1,2	RH	OK	23.9 dB @ 237.00MHz	N/A	>= 5.5 dB	18.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0125  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:29:43  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	29.5 dB @ 249.50MHz	N/A	> 16.2 dB	13.3 dB
7,8-5,4	DH	OK	41.2 dB @ 197.50MHz	N/A	> 18.3 dB	22.9 dB
7,8-1,2	DH	OK	39.8 dB @ 225.50MHz	N/A	> 17.1 dB	22.7 dB
3,6-7,8	DH	OK	30.4 dB @ 249.00MHz	N/A	> 16.2 dB	14.2 dB
3,6-5,4	DH	OK	35.6 dB @ 248.00MHz	N/A	> 16.3 dB	19.3 dB
3,6-1,2	DH	OK	41.2 dB @ 178.50MHz	N/A	> 19.1 dB	22.1 dB
5,4-7,8	DH	OK	41.9 dB @ 217.00MHz	N/A	> 17.4 dB	24.5 dB
5,4-3,6	DH	OK	36.5 dB @ 154.50MHz	N/A	> 20.4 dB	16.1 dB
5,4-1,2	DH	OK	39.8 dB @ 160.50MHz	N/A	> 20.0 dB	19.8 dB
1,2-7,8	DH	OK	38.8 dB @ 235.50MHz	N/A	> 16.7 dB	22.1 dB
1,2-3,6	DH	OK	37.7 dB @ 234.00MHz	N/A	> 16.8 dB	20.9 dB
1,2-5,4	DH	OK	38.5 dB @ 226.00MHz	N/A	> 17.1 dB	21.4 dB
7,8-3,6	RH	OK	30.0 dB @ 249.00MHz	N/A	> 16.2 dB	13.8 dB
7,8-5,4	RH	OK	42.3 dB @ 200.00MHz	N/A	> 18.1 dB	24.2 dB
7,8-1,2	RH	OK	39.0 dB @ 227.00MHz	N/A	> 17.0 dB	22.0 dB
3,6-7,8	RH	OK	29.9 dB @ 249.00MHz	N/A	> 16.2 dB	13.7 dB
3,6-5,4	RH	OK	36.3 dB @ 248.50MHz	N/A	> 16.3 dB	20.0 dB
3,6-1,2	RH	OK	39.8 dB @ 179.00MHz	N/A	> 19.1 dB	20.7 dB
5,4-7,8	RH	OK	41.0 dB @ 217.00MHz	N/A	> 17.4 dB	23.6 dB
5,4-3,6	RH	OK	35.9 dB @ 154.50MHz	N/A	> 20.4 dB	15.5 dB
5,4-1,2	RH	OK	38.4 dB @ 160.50MHz	N/A	> 20.0 dB	18.4 dB
1,2-7,8	RH	OK	39.6 dB @ 235.50MHz	N/A	> 16.7 dB	22.9 dB
1,2-3,6	RH	OK	38.7 dB @ 225.50MHz	N/A	> 17.1 dB	21.6 dB
1,2-5,4	RH	OK	40.0 dB @ 164.50MHz	N/A	> 19.8 dB	20.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.7 dB @ 240.50MHz	N/A	> 32.6 dB	9.1 dB
3,6	DH	OK	40.0 dB @ 241.50MHz	N/A	> 32.6 dB	7.4 dB
5,4	DH	OK	47.6 dB @ 245.00MHz	N/A	> 32.5 dB	15.1 dB
1,2	DH	OK	43.3 dB @ 243.00MHz	N/A	> 32.5 dB	10.8 dB
7,8	RH	OK	44.7 dB @ 242.00MHz	N/A	> 32.5 dB	12.2 dB
3,6	RH	OK	42.7 dB @ 224.00MHz	N/A	> 33.1 dB	9.6 dB
5,4	RH	OK	45.9 dB @ 241.50MHz	N/A	> 32.6 dB	13.3 dB
1,2	RH	OK	44.6 dB @ 224.00MHz	N/A	> 33.1 dB	11.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	19.7 dB @ 239.50MHz	N/A	>= 2.2 dB	17.5 dB
3,6	DH	OK	16.6 dB @ 241.50MHz	N/A	>= 2.1 dB	14.5 dB
5,4	DH	OK	23.9 dB @ 243.50MHz	N/A	>= 1.8 dB	22.1 dB
1,2	DH	OK	21.6 dB @ 245.50MHz	N/A	>= 1.6 dB	20.0 dB
7,8	RH	OK	22.6 dB @ 240.00MHz	N/A	>= 2.2 dB	20.4 dB
3,6	RH	OK	20.2 dB @ 234.00MHz	N/A	>= 2.8 dB	17.4 dB
5,4	RH	OK	22.2 dB @ 241.00MHz	N/A	>= 2.1 dB	20.1 dB
1,2	RH	OK	23.7 dB @ 237.00MHz	N/A	>= 2.5 dB	21.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.0 dB @ 249.00MHz	N/A	>= 13.2 dB	16.8 dB
3,6	DH	OK	28.5 dB @ 249.50MHz	N/A	>= 13.2 dB	15.3 dB
5,4	DH	OK	34.1 dB @ 157.50MHz	N/A	>= 17.2 dB	16.9 dB
1,2	DH	OK	36.6 dB @ 214.50MHz	N/A	>= 14.5 dB	22.1 dB
7,8	RH	OK	29.6 dB @ 249.00MHz	N/A	>= 13.2 dB	16.4 dB
3,6	RH	OK	28.8 dB @ 249.00MHz	N/A	>= 13.2 dB	15.6 dB
5,4	RH	OK	34.0 dB @ 159.50MHz	N/A	>= 17.1 dB	16.9 dB
1,2	RH	OK	35.1 dB @ 225.50MHz	N/A	>= 14.1 dB	21.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0126  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:30:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	74.5m	76.5m	78.1m	74.1m	< 90.0m	OK
Ritardo di propag.	360.3ns	369.3ns	376.9ns	358.1ns	< 510.0ns	OK
Diff. t. ritardo	18.8ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.8 Ohm	100.2 Ohm	99.5 Ohm	102.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	13.8 Ohm	14.3 Ohm	15.2 Ohm	13.9 Ohm	< 20.0 Ohm	OK
Capacità	46.9pF/m	47.1pF/m	47.5pF/m	46.2pF/m	< 66.0pF/m	OK
Riserva	10.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.5 dB @ 239.50MHz	N/A	> 35.6 dB	6.9 dB
7,8-5,4	DH	OK	51.7 dB @ 231.00MHz	N/A	> 35.9 dB	15.8 dB
7,8-1,2	DH	OK	60.7 dB @ 234.50MHz	N/A	> 35.8 dB	24.9 dB
3,6-5,4	DH	OK	53.7 dB @ 159.50MHz	N/A	> 38.5 dB	15.2 dB
3,6-1,2	DH	OK	46.9 dB @ 232.50MHz	N/A	> 35.8 dB	11.1 dB
5,4-1,2	DH	OK	49.9 dB @ 203.00MHz	N/A	> 36.8 dB	13.1 dB
7,8-3,6	RH	OK	44.6 dB @ 248.50MHz	N/A	> 35.4 dB	9.2 dB
7,8-5,4	RH	OK	46.5 dB @ 248.00MHz	N/A	> 35.4 dB	11.1 dB
7,8-1,2	RH	OK	55.5 dB @ 201.50MHz	N/A	> 36.8 dB	18.7 dB
3,6-5,4	RH	OK	52.2 dB @ 219.50MHz	N/A	> 36.2 dB	16.0 dB
3,6-1,2	RH	OK	48.2 dB @ 235.50MHz	N/A	> 35.7 dB	12.5 dB
5,4-1,2	RH	OK	52.8 dB @ 246.50MHz	N/A	> 35.4 dB	17.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.1 dB @ 222.50MHz	N/A	> 10.5 dB	6.6 dB
3,6	DH	OK	16.5 dB @ 228.50MHz	N/A	> 10.4 dB	6.1 dB
5,4	DH	OK	17.6 dB @ 230.50MHz	N/A	> 10.4 dB	7.2 dB
1,2	DH	OK	17.7 dB @ 226.50MHz	N/A	> 10.4 dB	7.3 dB
7,8	RH	OK	14.8 dB @ 231.00MHz	N/A	> 10.4 dB	4.4 dB
3,6	RH	OK	15.1 dB @ 228.50MHz	N/A	> 10.4 dB	4.7 dB
5,4	RH	OK	18.2 dB @ 225.50MHz	N/A	> 10.5 dB	7.7 dB
1,2	RH	OK	16.9 dB @ 215.50MHz	N/A	> 10.7 dB	6.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	23.2 dB @ 249.00MHz	N/A	< 31.1 dB	7.9 dB
3,6	OK	23.7 dB @ 248.50MHz	N/A	< 31.0 dB	7.3 dB
5,4	OK	23.2 dB @ 247.00MHz	N/A	< 30.9 dB	7.7 dB
1,2	OK	22.3 dB @ 246.00MHz	N/A	< 30.9 dB	8.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	20.2 dB @ 239.00MHz	N/A	>= 5.3 dB	14.9 dB
3,6	DH	OK	19.0 dB @ 239.50MHz	N/A	>= 5.2 dB	13.8 dB
5,4	DH	OK	27.0 dB @ 249.50MHz	N/A	>= 4.2 dB	22.8 dB
1,2	DH	OK	25.2 dB @ 247.00MHz	N/A	>= 4.5 dB	20.7 dB
7,8	RH	OK	21.5 dB @ 248.50MHz	N/A	>= 4.4 dB	17.1 dB
3,6	RH	OK	20.9 dB @ 248.50MHz	N/A	>= 4.4 dB	16.5 dB
5,4	RH	OK	23.6 dB @ 248.00MHz	N/A	>= 4.4 dB	19.2 dB
1,2	RH	OK	26.2 dB @ 242.50MHz	N/A	>= 4.9 dB	21.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0126  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:30:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.4 dB @ 248.50MHz	N/A	> 16.3 dB	14.1 dB
7,8-5,4	DH	OK	41.5 dB @ 244.50MHz	N/A	> 16.4 dB	25.1 dB
7,8-1,2	DH	OK	44.3 dB @ 236.50MHz	N/A	> 16.7 dB	27.6 dB
3,6-7,8	DH	OK	31.6 dB @ 249.00MHz	N/A	> 16.2 dB	15.4 dB
3,6-5,4	DH	OK	32.9 dB @ 249.50MHz	N/A	> 16.2 dB	16.7 dB
3,6-1,2	DH	OK	35.9 dB @ 213.00MHz	N/A	> 17.6 dB	18.3 dB
5,4-7,8	DH	OK	41.3 dB @ 242.50MHz	N/A	> 16.5 dB	24.8 dB
5,4-3,6	DH	OK	33.7 dB @ 249.00MHz	N/A	> 16.2 dB	17.5 dB
5,4-1,2	DH	OK	38.2 dB @ 215.00MHz	N/A	> 17.5 dB	20.7 dB
1,2-7,8	DH	OK	42.2 dB @ 234.50MHz	N/A	> 16.8 dB	25.4 dB
1,2-3,6	DH	OK	33.1 dB @ 232.50MHz	N/A	> 16.8 dB	16.3 dB
1,2-5,4	DH	OK	38.3 dB @ 217.00MHz	N/A	> 17.4 dB	20.9 dB
7,8-3,6	RH	OK	30.9 dB @ 249.50MHz	N/A	> 16.2 dB	14.7 dB
7,8-5,4	RH	OK	42.1 dB @ 247.00MHz	N/A	> 16.3 dB	25.8 dB
7,8-1,2	RH	OK	43.7 dB @ 234.00MHz	N/A	> 16.8 dB	26.9 dB
3,6-7,8	RH	OK	30.9 dB @ 239.50MHz	N/A	> 16.6 dB	14.3 dB
3,6-5,4	RH	OK	32.7 dB @ 249.50MHz	N/A	> 16.2 dB	16.5 dB
3,6-1,2	RH	OK	34.8 dB @ 186.50MHz	N/A	> 18.7 dB	16.1 dB
5,4-7,8	RH	OK	41.1 dB @ 244.50MHz	N/A	> 16.4 dB	24.7 dB
5,4-3,6	RH	OK	34.2 dB @ 249.00MHz	N/A	> 16.2 dB	18.0 dB
5,4-1,2	RH	OK	37.6 dB @ 216.00MHz	N/A	> 17.5 dB	20.1 dB
1,2-7,8	RH	OK	43.1 dB @ 229.50MHz	N/A	> 16.9 dB	26.2 dB
1,2-3,6	RH	OK	34.7 dB @ 235.00MHz	N/A	> 16.7 dB	18.0 dB
1,2-5,4	RH	OK	39.1 dB @ 213.00MHz	N/A	> 17.6 dB	21.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.2 dB @ 232.00MHz	N/A	> 32.8 dB	9.4 dB
3,6	DH	OK	41.2 dB @ 232.50MHz	N/A	> 32.8 dB	8.4 dB
5,4	DH	OK	48.8 dB @ 202.50MHz	N/A	> 33.8 dB	15.0 dB
1,2	DH	OK	45.3 dB @ 247.00MHz	N/A	> 32.4 dB	12.9 dB
7,8	RH	OK	42.5 dB @ 248.00MHz	N/A	> 32.4 dB	10.1 dB
3,6	RH	OK	43.1 dB @ 247.50MHz	N/A	> 32.4 dB	10.7 dB
5,4	RH	OK	44.9 dB @ 248.00MHz	N/A	> 32.4 dB	12.5 dB
1,2	RH	OK	47.0 dB @ 214.00MHz	N/A	> 33.4 dB	13.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	19.8 dB @ 232.00MHz	N/A	>= 3.0 dB	16.8 dB
3,6	DH	OK	18.1 dB @ 239.50MHz	N/A	>= 2.2 dB	15.9 dB
5,4	DH	OK	26.3 dB @ 249.50MHz	N/A	>= 1.2 dB	25.1 dB
1,2	DH	OK	23.4 dB @ 246.00MHz	N/A	>= 1.5 dB	21.9 dB
7,8	RH	OK	19.4 dB @ 249.00MHz	N/A	>= 1.2 dB	18.2 dB
3,6	RH	OK	19.5 dB @ 248.50MHz	N/A	>= 1.4 dB	18.1 dB
5,4	RH	OK	21.9 dB @ 247.50MHz	N/A	>= 1.4 dB	20.5 dB
1,2	RH	OK	25.2 dB @ 246.00MHz	N/A	>= 1.5 dB	23.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.1 dB @ 249.00MHz	N/A	>= 13.2 dB	17.9 dB
3,6	DH	OK	28.2 dB @ 241.00MHz	N/A	>= 13.5 dB	14.7 dB
5,4	DH	OK	32.0 dB @ 249.50MHz	N/A	>= 13.2 dB	18.8 dB
1,2	DH	OK	33.8 dB @ 213.00MHz	N/A	>= 14.6 dB	19.2 dB
7,8	RH	OK	30.5 dB @ 249.50MHz	N/A	>= 13.2 dB	17.3 dB
3,6	RH	OK	28.3 dB @ 250.00MHz	N/A	>= 13.2 dB	15.1 dB
5,4	RH	OK	33.1 dB @ 250.00MHz	N/A	>= 13.2 dB	19.9 dB
1,2	RH	OK	34.0 dB @ 235.00MHz	N/A	>= 13.7 dB	20.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

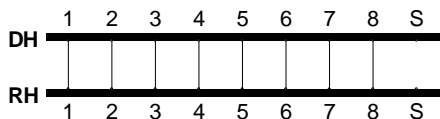
**OK**

ID cavo 1: 0127  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:32:26  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

**Coppia (NVP)**

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	80.3m	82.4m	84.1m	79.7m	< 90.0m	OK
Ritardo di propag.	387.1ns	396.6ns	404.8ns	384.1ns	< 510.0ns	OK
Diff. t. ritardo	20.7ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.8 Ohm	100.2 Ohm	99.6 Ohm	102.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	14.5 Ohm	15.2 Ohm	17.0 Ohm	16.0 Ohm	< 20.0 Ohm	OK
Capacità	46.9pF/m	47.1pF/m	47.4pF/m	46.1pF/m	< 66.0pF/m	OK
Riserva	10.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.6 dB @ 243.50MHz	N/A	> 35.5 dB	6.1 dB
7,8-5,4	DH	OK	53.0 dB @ 193.00MHz	N/A	> 37.2 dB	15.8 dB
7,8-1,2	DH	OK	58.7 dB @ 209.00MHz	N/A	> 36.6 dB	22.1 dB
3,6-5,4	DH	OK	54.3 dB @ 228.50MHz	N/A	> 36.0 dB	18.3 dB
3,6-1,2	DH	OK	48.8 dB @ 250.00MHz	N/A	> 35.3 dB	13.5 dB
5,4-1,2	DH	OK	49.0 dB @ 247.00MHz	N/A	> 35.4 dB	13.6 dB
7,8-3,6	RH	OK	43.9 dB @ 224.00MHz	N/A	> 36.1 dB	7.8 dB
7,8-5,4	RH	OK	46.7 dB @ 238.50MHz	N/A	> 35.7 dB	11.0 dB
7,8-1,2	RH	OK	51.5 dB @ 200.00MHz	N/A	> 36.9 dB	14.6 dB
3,6-5,4	RH	OK	53.6 dB @ 242.50MHz	N/A	> 35.5 dB	18.1 dB
3,6-1,2	RH	OK	47.0 dB @ 237.00MHz	N/A	> 35.7 dB	11.3 dB
5,4-1,2	RH	OK	53.7 dB @ 249.00MHz	N/A	> 35.3 dB	18.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.3 dB @ 228.00MHz	N/A	> 10.4 dB	5.9 dB
3,6	DH	OK	16.1 dB @ 226.50MHz	N/A	> 10.4 dB	5.7 dB
5,4	DH	OK	17.7 dB @ 234.50MHz	N/A	> 10.3 dB	7.4 dB
1,2	DH	OK	18.7 dB @ 212.50MHz	N/A	> 10.7 dB	8.0 dB
7,8	RH	OK	14.8 dB @ 219.00MHz	N/A	> 10.6 dB	4.2 dB
3,6	RH	OK	14.9 dB @ 225.00MHz	N/A	> 10.5 dB	4.4 dB
5,4	RH	OK	18.3 dB @ 222.00MHz	N/A	> 10.5 dB	7.8 dB
1,2	RH	OK	16.9 dB @ 224.00MHz	N/A	> 10.5 dB	6.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	24.7 dB @ 245.00MHz	N/A	< 30.8 dB	6.1 dB
3,6	OK	25.9 dB @ 248.50MHz	N/A	< 31.0 dB	5.1 dB
5,4	OK	25.3 dB @ 249.50MHz	N/A	< 31.1 dB	5.8 dB
1,2	OK	24.1 dB @ 244.50MHz	N/A	< 30.7 dB	6.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.6 dB @ 243.50MHz	N/A	>= 4.8 dB	12.8 dB
3,6	DH	OK	16.7 dB @ 243.50MHz	N/A	>= 4.8 dB	11.9 dB
5,4	DH	OK	24.1 dB @ 247.00MHz	N/A	>= 4.5 dB	19.6 dB
1,2	DH	OK	24.9 dB @ 250.00MHz	N/A	>= 4.1 dB	20.8 dB
7,8	RH	OK	20.6 dB @ 223.50MHz	N/A	>= 6.9 dB	13.7 dB
3,6	RH	OK	19.8 dB @ 224.00MHz	N/A	>= 6.9 dB	12.9 dB
5,4	RH	OK	22.0 dB @ 238.00MHz	N/A	>= 5.4 dB	16.6 dB
1,2	RH	OK	23.8 dB @ 237.00MHz	N/A	>= 5.5 dB	18.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0127  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:32:26  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	29.8 dB @ 232.00MHz	N/A	> 16.9 dB	12.9 dB
7,8-5,4	DH	OK	37.9 dB @ 232.50MHz	N/A	> 16.8 dB	21.1 dB
7,8-1,2	DH	OK	35.0 dB @ 250.00MHz	N/A	> 16.2 dB	18.8 dB
3,6-7,8	DH	OK	29.8 dB @ 239.00MHz	N/A	> 16.6 dB	13.2 dB
3,6-5,4	DH	OK	29.4 dB @ 249.50MHz	N/A	> 16.2 dB	13.2 dB
3,6-1,2	DH	OK	39.7 dB @ 226.00MHz	N/A	> 17.1 dB	22.6 dB
5,4-7,8	DH	OK	37.1 dB @ 248.00MHz	N/A	> 16.3 dB	20.8 dB
5,4-3,6	DH	OK	28.8 dB @ 247.00MHz	N/A	> 16.3 dB	12.5 dB
5,4-1,2	DH	OK	37.1 dB @ 244.50MHz	N/A	> 16.4 dB	20.7 dB
1,2-7,8	DH	OK	34.0 dB @ 218.50MHz	N/A	> 17.4 dB	16.6 dB
1,2-3,6	DH	OK	39.7 dB @ 170.00MHz	N/A	> 19.5 dB	20.2 dB
1,2-5,4	DH	OK	35.4 dB @ 247.00MHz	N/A	> 16.3 dB	19.1 dB
7,8-3,6	RH	OK	30.4 dB @ 231.00MHz	N/A	> 16.9 dB	13.5 dB
7,8-5,4	RH	OK	38.5 dB @ 233.00MHz	N/A	> 16.8 dB	21.7 dB
7,8-1,2	RH	OK	34.7 dB @ 250.00MHz	N/A	> 16.2 dB	18.5 dB
3,6-7,8	RH	OK	29.2 dB @ 237.00MHz	N/A	> 16.7 dB	12.5 dB
3,6-5,4	RH	OK	28.7 dB @ 248.50MHz	N/A	> 16.3 dB	12.4 dB
3,6-1,2	RH	OK	38.1 dB @ 226.00MHz	N/A	> 17.1 dB	21.0 dB
5,4-7,8	RH	OK	36.2 dB @ 249.50MHz	N/A	> 16.2 dB	20.0 dB
5,4-3,6	RH	OK	29.2 dB @ 247.50MHz	N/A	> 16.3 dB	12.9 dB
5,4-1,2	RH	OK	35.5 dB @ 247.50MHz	N/A	> 16.3 dB	19.2 dB
1,2-7,8	RH	OK	35.0 dB @ 221.00MHz	N/A	> 17.3 dB	17.7 dB
1,2-3,6	RH	OK	40.7 dB @ 170.00MHz	N/A	> 19.5 dB	21.2 dB
1,2-5,4	RH	OK	36.4 dB @ 247.00MHz	N/A	> 16.3 dB	20.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.4 dB @ 243.50MHz	N/A	> 32.5 dB	8.9 dB
3,6	DH	OK	41.1 dB @ 243.50MHz	N/A	> 32.5 dB	8.6 dB
5,4	DH	OK	47.6 dB @ 247.00MHz	N/A	> 32.4 dB	15.2 dB
1,2	DH	OK	46.5 dB @ 250.00MHz	N/A	> 32.3 dB	14.2 dB
7,8	RH	OK	42.6 dB @ 224.00MHz	N/A	> 33.1 dB	9.5 dB
3,6	RH	OK	42.8 dB @ 224.00MHz	N/A	> 33.1 dB	9.7 dB
5,4	RH	OK	46.1 dB @ 239.00MHz	N/A	> 32.6 dB	13.5 dB
1,2	RH	OK	46.2 dB @ 237.00MHz	N/A	> 32.7 dB	13.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	17.4 dB @ 243.50MHz	N/A	>= 1.8 dB	15.6 dB
3,6	DH	OK	15.9 dB @ 250.00MHz	N/A	>= 1.1 dB	14.8 dB
5,4	DH	OK	22.6 dB @ 247.50MHz	N/A	>= 1.4 dB	21.2 dB
1,2	DH	OK	22.6 dB @ 250.00MHz	N/A	>= 1.1 dB	21.5 dB
7,8	RH	OK	19.0 dB @ 239.00MHz	N/A	>= 2.3 dB	16.7 dB
3,6	RH	OK	18.2 dB @ 237.00MHz	N/A	>= 2.5 dB	15.7 dB
5,4	RH	OK	21.2 dB @ 249.50MHz	N/A	>= 1.2 dB	20.0 dB
1,2	RH	OK	23.0 dB @ 237.00MHz	N/A	>= 2.5 dB	20.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.4 dB @ 227.50MHz	N/A	>= 14.0 dB	14.4 dB
3,6	DH	OK	26.5 dB @ 248.50MHz	N/A	>= 13.3 dB	13.2 dB
5,4	DH	OK	28.1 dB @ 249.50MHz	N/A	>= 13.2 dB	14.9 dB
1,2	DH	OK	32.9 dB @ 250.00MHz	N/A	>= 13.2 dB	19.7 dB
7,8	RH	OK	28.8 dB @ 233.50MHz	N/A	>= 13.8 dB	15.0 dB
3,6	RH	OK	26.2 dB @ 248.50MHz	N/A	>= 13.3 dB	12.9 dB
5,4	RH	OK	27.7 dB @ 247.50MHz	N/A	>= 13.3 dB	14.4 dB
1,2	RH	OK	33.2 dB @ 249.00MHz	N/A	>= 13.2 dB	20.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0128  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:33:25  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	80.2m	82.4m	84.6m	79.5m	< 90.0m	OK
Ritardo di propag.	386.6ns	396.5ns	406.8ns	383.3ns	< 510.0ns	OK
Diff. t. ritardo	23.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	101.1 Ohm	100.4 Ohm	97.7 Ohm	102.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	15.9 Ohm	16.3 Ohm	17.2 Ohm	16.1 Ohm	< 20.0 Ohm	OK
Capacità	46.7pF/m	47.0pF/m	48.3pF/m	45.9pF/m	< 66.0pF/m	OK
Riserva	10.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.9 dB @ 237.00MHz	N/A	> 35.7 dB	6.2 dB
7,8-5,4	DH	OK	53.6 dB @ 174.00MHz	N/A	> 37.9 dB	15.7 dB
7,8-1,2	DH	OK	54.6 dB @ 219.00MHz	N/A	> 36.3 dB	18.3 dB
3,6-5,4	DH	OK	53.6 dB @ 160.50MHz	N/A	> 38.5 dB	15.1 dB
3,6-1,2	DH	OK	45.4 dB @ 250.00MHz	N/A	> 35.3 dB	10.1 dB
5,4-1,2	DH	OK	47.6 dB @ 245.00MHz	N/A	> 35.5 dB	12.1 dB
7,8-3,6	RH	OK	44.4 dB @ 246.00MHz	N/A	> 35.4 dB	9.0 dB
7,8-5,4	RH	OK	45.6 dB @ 246.50MHz	N/A	> 35.4 dB	10.2 dB
7,8-1,2	RH	OK	50.6 dB @ 245.00MHz	N/A	> 35.5 dB	15.1 dB
3,6-5,4	RH	OK	50.4 dB @ 239.50MHz	N/A	> 35.6 dB	14.8 dB
3,6-1,2	RH	OK	46.3 dB @ 241.00MHz	N/A	> 35.6 dB	10.7 dB
5,4-1,2	RH	OK	52.2 dB @ 204.00MHz	N/A	> 36.8 dB	15.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.6 dB @ 222.00MHz	N/A	> 10.5 dB	6.1 dB
3,6	DH	OK	16.8 dB @ 233.50MHz	N/A	> 10.3 dB	6.5 dB
5,4	DH	OK	17.3 dB @ 225.50MHz	N/A	> 10.5 dB	6.8 dB
1,2	DH	OK	17.2 dB @ 224.00MHz	N/A	> 10.5 dB	6.7 dB
7,8	RH	OK	15.2 dB @ 219.00MHz	N/A	> 10.6 dB	4.6 dB
3,6	RH	OK	16.2 dB @ 223.00MHz	N/A	> 10.5 dB	5.7 dB
5,4	RH	OK	18.3 dB @ 221.50MHz	N/A	> 10.5 dB	7.8 dB
1,2	RH	OK	16.2 dB @ 222.00MHz	N/A	> 10.5 dB	5.7 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	24.6 dB @ 249.50MHz	N/A	< 31.1 dB	6.5 dB
3,6	OK	25.1 dB @ 248.50MHz	N/A	< 31.0 dB	5.9 dB
5,4	OK	25.9 dB @ 246.00MHz	N/A	< 30.9 dB	5.0 dB
1,2	OK	23.8 dB @ 250.00MHz	N/A	< 31.2 dB	7.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	18.2 dB @ 241.50MHz	N/A	>= 5.1 dB	13.1 dB
3,6	DH	OK	17.6 dB @ 240.50MHz	N/A	>= 5.2 dB	12.4 dB
5,4	DH	OK	22.4 dB @ 245.00MHz	N/A	>= 4.7 dB	17.7 dB
1,2	DH	OK	21.6 dB @ 250.00MHz	N/A	>= 4.1 dB	17.5 dB
7,8	RH	OK	20.6 dB @ 245.00MHz	N/A	>= 4.7 dB	15.9 dB
3,6	RH	OK	19.4 dB @ 245.50MHz	N/A	>= 4.6 dB	14.8 dB
5,4	RH	OK	19.9 dB @ 245.50MHz	N/A	>= 4.6 dB	15.3 dB
1,2	RH	OK	23.2 dB @ 241.00MHz	N/A	>= 5.1 dB	18.1 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0128  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:33:25  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.1 dB @ 226.50MHz	N/A	> 17.1 dB	16.0 dB
7,8-5,4	DH	OK	37.6 dB @ 250.00MHz	N/A	> 16.2 dB	21.4 dB
7,8-1,2	DH	OK	45.9 dB @ 221.50MHz	N/A	> 17.3 dB	28.6 dB
3,6-7,8	DH	OK	33.1 dB @ 229.50MHz	N/A	> 16.9 dB	16.2 dB
3,6-5,4	DH	OK	31.7 dB @ 246.00MHz	N/A	> 16.3 dB	15.4 dB
3,6-1,2	DH	OK	41.4 dB @ 225.50MHz	N/A	> 17.1 dB	24.3 dB
5,4-7,8	DH	OK	36.8 dB @ 249.50MHz	N/A	> 16.2 dB	20.6 dB
5,4-3,6	DH	OK	33.4 dB @ 243.00MHz	N/A	> 16.5 dB	16.9 dB
5,4-1,2	DH	OK	40.3 dB @ 200.00MHz	N/A	> 18.1 dB	22.2 dB
1,2-7,8	DH	OK	42.9 dB @ 216.00MHz	N/A	> 17.5 dB	25.4 dB
1,2-3,6	DH	OK	37.3 dB @ 225.50MHz	N/A	> 17.1 dB	20.2 dB
1,2-5,4	DH	OK	37.6 dB @ 205.00MHz	N/A	> 17.9 dB	19.7 dB
7,8-3,6	RH	OK	34.2 dB @ 232.00MHz	N/A	> 16.9 dB	17.3 dB
7,8-5,4	RH	OK	38.8 dB @ 250.00MHz	N/A	> 16.2 dB	22.6 dB
7,8-1,2	RH	OK	45.2 dB @ 249.50MHz	N/A	> 16.2 dB	29.0 dB
3,6-7,8	RH	OK	32.2 dB @ 230.00MHz	N/A	> 16.9 dB	15.3 dB
3,6-5,4	RH	OK	32.5 dB @ 249.50MHz	N/A	> 16.2 dB	16.3 dB
3,6-1,2	RH	OK	39.7 dB @ 225.50MHz	N/A	> 17.1 dB	22.6 dB
5,4-7,8	RH	OK	35.9 dB @ 249.00MHz	N/A	> 16.2 dB	19.7 dB
5,4-3,6	RH	OK	32.7 dB @ 245.50MHz	N/A	> 16.4 dB	16.3 dB
5,4-1,2	RH	OK	38.7 dB @ 202.00MHz	N/A	> 18.1 dB	20.6 dB
1,2-7,8	RH	OK	43.6 dB @ 216.00MHz	N/A	> 17.5 dB	26.1 dB
1,2-3,6	RH	OK	39.0 dB @ 227.50MHz	N/A	> 17.0 dB	22.0 dB
1,2-5,4	RH	OK	39.3 dB @ 199.50MHz	N/A	> 18.2 dB	21.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.6 dB @ 229.50MHz	N/A	> 32.9 dB	8.7 dB
3,6	DH	OK	40.9 dB @ 237.00MHz	N/A	> 32.7 dB	8.2 dB
5,4	DH	OK	46.7 dB @ 245.00MHz	N/A	> 32.5 dB	14.2 dB
1,2	DH	OK	44.2 dB @ 250.00MHz	N/A	> 32.3 dB	11.9 dB
7,8	RH	OK	41.4 dB @ 246.00MHz	N/A	> 32.4 dB	9.0 dB
3,6	RH	OK	42.4 dB @ 245.50MHz	N/A	> 32.4 dB	10.0 dB
5,4	RH	OK	44.5 dB @ 246.50MHz	N/A	> 32.4 dB	12.1 dB
1,2	RH	OK	45.4 dB @ 245.00MHz	N/A	> 32.5 dB	12.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	18.0 dB @ 241.50MHz	N/A	>= 2.1 dB	15.9 dB
3,6	DH	OK	16.0 dB @ 248.50MHz	N/A	>= 1.4 dB	14.6 dB
5,4	DH	OK	21.4 dB @ 245.50MHz	N/A	>= 1.6 dB	19.8 dB
1,2	DH	OK	20.4 dB @ 250.00MHz	N/A	>= 1.1 dB	19.3 dB
7,8	RH	OK	17.5 dB @ 245.00MHz	N/A	>= 1.7 dB	15.8 dB
3,6	RH	OK	17.4 dB @ 245.50MHz	N/A	>= 1.6 dB	15.8 dB
5,4	RH	OK	18.7 dB @ 245.50MHz	N/A	>= 1.6 dB	17.1 dB
1,2	RH	OK	21.9 dB @ 244.50MHz	N/A	>= 1.8 dB	20.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.5 dB @ 229.50MHz	N/A	>= 13.9 dB	18.6 dB
3,6	DH	OK	30.5 dB @ 232.50MHz	N/A	>= 13.8 dB	16.7 dB
5,4	DH	OK	30.2 dB @ 246.00MHz	N/A	>= 13.3 dB	16.9 dB
1,2	DH	OK	38.5 dB @ 250.00MHz	N/A	>= 13.2 dB	25.3 dB
7,8	RH	OK	33.2 dB @ 232.00MHz	N/A	>= 13.9 dB	19.3 dB
3,6	RH	OK	30.1 dB @ 232.50MHz	N/A	>= 13.8 dB	16.3 dB
5,4	RH	OK	30.5 dB @ 249.00MHz	N/A	>= 13.2 dB	17.3 dB
1,2	RH	OK	37.3 dB @ 208.00MHz	N/A	>= 14.8 dB	22.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

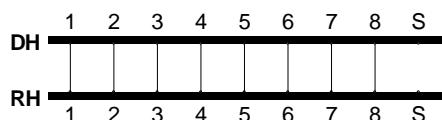
**OK**

ID cavo 1: 0129  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:34:43  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	63.2m	64.7m	66.2m	62.8m	< 90.0m	OK
Ritardo di propag.	307.7ns	314.8ns	321.5ns	306.0ns	< 510.0ns	OK
Diff. t. ritardo	15.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.4 Ohm	100.1 Ohm	98.8 Ohm	102.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.0 Ohm	12.6 Ohm	13.2 Ohm	12.2 Ohm	< 20.0 Ohm	OK
Capacità	47.0pF/m	47.2pF/m	47.7pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	9.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.8 dB @ 238.50MHz	N/A	> 35.7 dB	6.1 dB
7,8-5,4	DH	OK	52.7 dB @ 237.00MHz	N/A	> 35.7 dB	17.0 dB
7,8-1,2	DH	OK	57.3 dB @ 180.50MHz	N/A	> 37.6 dB	19.7 dB
3,6-5,4	DH	OK	49.9 dB @ 232.00MHz	N/A	> 35.8 dB	14.1 dB
3,6-1,2	DH	OK	46.2 dB @ 246.50MHz	N/A	> 35.4 dB	10.8 dB
5,4-1,2	DH	OK	50.7 dB @ 202.00MHz	N/A	> 36.8 dB	13.9 dB
7,8-3,6	RH	OK	44.9 dB @ 232.50MHz	N/A	> 35.8 dB	9.1 dB
7,8-5,4	RH	OK	47.1 dB @ 237.00MHz	N/A	> 35.7 dB	11.4 dB
7,8-1,2	RH	OK	54.6 dB @ 174.50MHz	N/A	> 37.9 dB	16.7 dB
3,6-5,4	RH	OK	52.8 dB @ 245.50MHz	N/A	> 35.4 dB	17.4 dB
3,6-1,2	RH	OK	47.4 dB @ 240.50MHz	N/A	> 35.6 dB	11.8 dB
5,4-1,2	RH	OK	52.5 dB @ 222.50MHz	N/A	> 36.1 dB	16.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.7 dB @ 228.50MHz	N/A	> 10.4 dB	5.3 dB
3,6	DH	OK	15.7 dB @ 223.50MHz	N/A	> 10.5 dB	5.2 dB
5,4	DH	OK	16.7 dB @ 233.00MHz	N/A	> 10.3 dB	6.4 dB
1,2	DH	OK	17.9 dB @ 219.00MHz	N/A	> 10.6 dB	7.3 dB
7,8	RH	OK	15.6 dB @ 221.50MHz	N/A	> 10.5 dB	5.1 dB
3,6	RH	OK	16.1 dB @ 223.50MHz	N/A	> 10.5 dB	5.6 dB
5,4	RH	OK	19.0 dB @ 224.00MHz	N/A	> 10.5 dB	8.5 dB
1,2	RH	OK	17.4 dB @ 170.00MHz	N/A	> 11.7 dB	5.7 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.7 dB @ 249.50MHz	N/A	< 31.1 dB	11.4 dB
3,6	OK	20.3 dB @ 248.50MHz	N/A	< 31.0 dB	10.7 dB
5,4	OK	20.2 dB @ 242.50MHz	N/A	< 30.6 dB	10.4 dB
1,2	OK	19.1 dB @ 249.00MHz	N/A	< 31.1 dB	12.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.3 dB @ 249.50MHz	N/A	>= 4.2 dB	18.1 dB
3,6	DH	OK	21.9 dB @ 249.50MHz	N/A	>= 4.2 dB	17.7 dB
5,4	DH	OK	30.3 dB @ 232.00MHz	N/A	>= 6.0 dB	24.3 dB
1,2	DH	OK	27.7 dB @ 246.50MHz	N/A	>= 4.5 dB	23.2 dB
7,8	RH	OK	26.0 dB @ 232.50MHz	N/A	>= 5.9 dB	20.1 dB
3,6	RH	OK	25.1 dB @ 232.50MHz	N/A	>= 5.9 dB	19.2 dB
5,4	RH	OK	27.8 dB @ 237.00MHz	N/A	>= 5.5 dB	22.3 dB
1,2	RH	OK	28.7 dB @ 240.50MHz	N/A	>= 5.2 dB	23.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0129  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:34:43  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.0 dB @ 249.50MHz	N/A	> 16.2 dB	19.8 dB
7,8-5,4	DH	OK	43.4 dB @ 158.00MHz	N/A	> 20.2 dB	23.2 dB
7,8-1,2	DH	OK	45.7 dB @ 231.50MHz	N/A	> 16.9 dB	28.8 dB
3,6-7,8	DH	OK	37.4 dB @ 249.00MHz	N/A	> 16.2 dB	21.2 dB
3,6-5,4	DH	OK	34.5 dB @ 189.00MHz	N/A	> 18.6 dB	15.9 dB
3,6-1,2	DH	OK	44.5 dB @ 121.50MHz	N/A	> 22.5 dB	22.0 dB
5,4-7,8	DH	OK	43.8 dB @ 164.50MHz	N/A	> 19.8 dB	24.0 dB
5,4-3,6	DH	OK	34.7 dB @ 190.50MHz	N/A	> 18.6 dB	16.1 dB
5,4-1,2	DH	OK	39.2 dB @ 249.00MHz	N/A	> 16.2 dB	23.0 dB
1,2-7,8	DH	OK	43.5 dB @ 212.00MHz	N/A	> 17.6 dB	25.9 dB
1,2-3,6	DH	OK	41.1 dB @ 228.50MHz	N/A	> 17.0 dB	24.1 dB
1,2-5,4	DH	OK	37.6 dB @ 250.00MHz	N/A	> 16.2 dB	21.4 dB
7,8-3,6	RH	OK	36.4 dB @ 249.50MHz	N/A	> 16.2 dB	20.2 dB
7,8-5,4	RH	OK	43.6 dB @ 158.00MHz	N/A	> 20.2 dB	23.4 dB
7,8-1,2	RH	OK	45.1 dB @ 232.00MHz	N/A	> 16.9 dB	28.2 dB
3,6-7,8	RH	OK	37.0 dB @ 247.50MHz	N/A	> 16.3 dB	20.7 dB
3,6-5,4	RH	OK	34.7 dB @ 186.50MHz	N/A	> 18.7 dB	16.0 dB
3,6-1,2	RH	OK	43.7 dB @ 121.00MHz	N/A	> 22.5 dB	21.2 dB
5,4-7,8	RH	OK	43.5 dB @ 157.00MHz	N/A	> 20.2 dB	23.3 dB
5,4-3,6	RH	OK	34.4 dB @ 189.00MHz	N/A	> 18.6 dB	15.8 dB
5,4-1,2	RH	OK	38.0 dB @ 249.50MHz	N/A	> 16.2 dB	21.8 dB
1,2-7,8	RH	OK	44.1 dB @ 216.00MHz	N/A	> 17.5 dB	26.6 dB
1,2-3,6	RH	OK	42.8 dB @ 229.50MHz	N/A	> 16.9 dB	25.9 dB
1,2-5,4	RH	OK	38.9 dB @ 249.00MHz	N/A	> 16.2 dB	22.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.5 dB @ 238.50MHz	N/A	> 32.7 dB	8.8 dB
3,6	DH	OK	40.6 dB @ 245.50MHz	N/A	> 32.4 dB	8.2 dB
5,4	DH	OK	48.0 dB @ 237.50MHz	N/A	> 32.7 dB	15.3 dB
1,2	DH	OK	45.3 dB @ 246.50MHz	N/A	> 32.4 dB	12.9 dB
7,8	RH	OK	43.0 dB @ 232.50MHz	N/A	> 32.8 dB	10.2 dB
3,6	RH	OK	43.5 dB @ 232.50MHz	N/A	> 32.8 dB	10.7 dB
5,4	RH	OK	46.4 dB @ 237.00MHz	N/A	> 32.7 dB	13.7 dB
1,2	RH	OK	47.1 dB @ 240.50MHz	N/A	> 32.6 dB	14.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	22.1 dB @ 249.50MHz	N/A	>= 1.2 dB	20.9 dB
3,6	DH	OK	20.6 dB @ 246.00MHz	N/A	>= 1.5 dB	19.1 dB
5,4	DH	OK	28.2 dB @ 238.00MHz	N/A	>= 2.4 dB	25.8 dB
1,2	DH	OK	26.7 dB @ 247.00MHz	N/A	>= 1.5 dB	25.2 dB
7,8	RH	OK	24.1 dB @ 232.00MHz	N/A	>= 3.0 dB	21.1 dB
3,6	RH	OK	23.7 dB @ 232.50MHz	N/A	>= 2.9 dB	20.8 dB
5,4	RH	OK	26.9 dB @ 232.00MHz	N/A	>= 3.0 dB	23.9 dB
1,2	RH	OK	28.4 dB @ 240.50MHz	N/A	>= 2.2 dB	26.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.5 dB @ 249.00MHz	N/A	>= 13.2 dB	23.3 dB
3,6	DH	OK	34.0 dB @ 186.50MHz	N/A	>= 15.7 dB	18.3 dB
5,4	DH	OK	33.5 dB @ 189.00MHz	N/A	>= 15.6 dB	17.9 dB
1,2	DH	OK	38.6 dB @ 248.00MHz	N/A	>= 13.3 dB	25.3 dB
7,8	RH	OK	36.1 dB @ 249.50MHz	N/A	>= 13.2 dB	22.9 dB
3,6	RH	OK	33.6 dB @ 183.00MHz	N/A	>= 15.9 dB	17.7 dB
5,4	RH	OK	33.7 dB @ 189.00MHz	N/A	>= 15.6 dB	18.1 dB
1,2	RH	OK	37.6 dB @ 249.00MHz	N/A	>= 13.2 dB	24.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

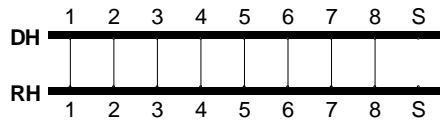
ID cavo 1: 0130  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:35:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	63.3m	65.0m	66.8m	62.9m	< 90.0m	OK
Ritardo di propag.	308.4ns	316.1ns	324.4ns	306.5ns	< 510.0ns	OK
Diff. t. ritardo	17.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.1 Ohm	99.5 Ohm	96.9 Ohm	102.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	12.2 Ohm	12.4 Ohm	13.4 Ohm	12.3 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.5pF/m	48.7pF/m	46.2pF/m	< 66.0pF/m	OK
Riserva	9.2 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.8 dB @ 247.50MHz	N/A	> 35.4 dB	5.4 dB
7,8-5,4	DH	OK	48.4 dB @ 236.00MHz	N/A	> 35.7 dB	12.7 dB
7,8-1,2	DH	OK	57.0 dB @ 235.50MHz	N/A	> 35.7 dB	21.3 dB
3,6-5,4	DH	OK	53.8 dB @ 124.50MHz	N/A	> 40.3 dB	13.5 dB
3,6-1,2	DH	OK	46.2 dB @ 246.50MHz	N/A	> 35.4 dB	10.8 dB
5,4-1,2	DH	OK	49.1 dB @ 246.00MHz	N/A	> 35.4 dB	13.7 dB
7,8-3,6	RH	OK	45.5 dB @ 230.00MHz	N/A	> 35.9 dB	9.6 dB
7,8-5,4	RH	OK	42.6 dB @ 230.50MHz	N/A	> 35.9 dB	6.7 dB
7,8-1,2	RH	OK	51.1 dB @ 230.00MHz	N/A	> 35.9 dB	15.2 dB
3,6-5,4	RH	OK	53.5 dB @ 127.50MHz	N/A	> 40.1 dB	13.4 dB
3,6-1,2	RH	OK	46.4 dB @ 236.00MHz	N/A	> 35.7 dB	10.7 dB
5,4-1,2	RH	OK	53.4 dB @ 250.00MHz	N/A	> 35.3 dB	18.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.6 dB @ 219.00MHz	N/A	> 10.6 dB	5.0 dB
3,6	DH	OK	16.0 dB @ 229.50MHz	N/A	> 10.4 dB	5.6 dB
5,4	DH	OK	17.3 dB @ 227.50MHz	N/A	> 10.4 dB	6.9 dB
1,2	DH	OK	16.4 dB @ 221.50MHz	N/A	> 10.5 dB	5.9 dB
7,8	RH	OK	15.1 dB @ 226.00MHz	N/A	> 10.4 dB	4.7 dB
3,6	RH	OK	17.1 dB @ 221.00MHz	N/A	> 10.5 dB	6.6 dB
5,4	RH	OK	17.9 dB @ 221.50MHz	N/A	> 10.5 dB	7.4 dB
1,2	RH	OK	16.8 dB @ 229.00MHz	N/A	> 10.4 dB	6.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.8 dB @ 244.50MHz	N/A	< 30.7 dB	10.9 dB
3,6	OK	20.4 dB @ 243.00MHz	N/A	< 30.6 dB	10.2 dB
5,4	OK	21.0 dB @ 243.50MHz	N/A	< 30.7 dB	9.7 dB
1,2	OK	19.1 dB @ 248.00MHz	N/A	< 31.0 dB	11.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	21.3 dB @ 246.50MHz	N/A	>= 4.5 dB	16.8 dB
3,6	DH	OK	20.8 dB @ 247.50MHz	N/A	>= 4.4 dB	16.4 dB
5,4	DH	OK	28.0 dB @ 236.50MHz	N/A	>= 5.5 dB	22.5 dB
1,2	DH	OK	27.5 dB @ 246.00MHz	N/A	>= 4.5 dB	23.0 dB
7,8	RH	OK	23.2 dB @ 230.00MHz	N/A	>= 6.2 dB	17.0 dB
3,6	RH	OK	25.7 dB @ 247.00MHz	N/A	>= 4.5 dB	21.2 dB
5,4	RH	OK	22.5 dB @ 230.50MHz	N/A	>= 6.2 dB	16.3 dB
1,2	RH	OK	27.6 dB @ 235.50MHz	N/A	>= 5.6 dB	22.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0130  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:35:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.1 dB @ 250.00MHz	N/A	> 16.2 dB	19.9 dB
7,8-5,4	DH	OK	38.6 dB @ 236.00MHz	N/A	> 16.7 dB	21.9 dB
7,8-1,2	DH	OK	45.8 dB @ 246.00MHz	N/A	> 16.3 dB	29.5 dB
3,6-7,8	DH	OK	37.2 dB @ 250.00MHz	N/A	> 16.2 dB	21.0 dB
3,6-5,4	DH	OK	37.8 dB @ 187.00MHz	N/A	> 18.7 dB	19.1 dB
3,6-1,2	DH	OK	40.7 dB @ 119.50MHz	N/A	> 22.6 dB	18.1 dB
5,4-7,8	DH	OK	39.3 dB @ 234.00MHz	N/A	> 16.8 dB	22.5 dB
5,4-3,6	DH	OK	39.1 dB @ 188.50MHz	N/A	> 18.7 dB	20.4 dB
5,4-1,2	DH	OK	39.0 dB @ 248.00MHz	N/A	> 16.3 dB	22.7 dB
1,2-7,8	DH	OK	44.9 dB @ 172.00MHz	N/A	> 19.4 dB	25.5 dB
1,2-3,6	DH	OK	40.0 dB @ 121.00MHz	N/A	> 22.5 dB	17.5 dB
1,2-5,4	DH	OK	36.9 dB @ 250.00MHz	N/A	> 16.2 dB	20.7 dB
7,8-3,6	RH	OK	36.8 dB @ 249.00MHz	N/A	> 16.2 dB	20.6 dB
7,8-5,4	RH	OK	39.3 dB @ 226.00MHz	N/A	> 17.1 dB	22.2 dB
7,8-1,2	RH	OK	45.1 dB @ 230.00MHz	N/A	> 16.9 dB	28.2 dB
3,6-7,8	RH	OK	36.4 dB @ 250.00MHz	N/A	> 16.2 dB	20.2 dB
3,6-5,4	RH	OK	38.2 dB @ 183.50MHz	N/A	> 18.9 dB	19.3 dB
3,6-1,2	RH	OK	39.7 dB @ 115.50MHz	N/A	> 22.9 dB	16.8 dB
5,4-7,8	RH	OK	38.1 dB @ 236.50MHz	N/A	> 16.7 dB	21.4 dB
5,4-3,6	RH	OK	38.6 dB @ 188.50MHz	N/A	> 18.7 dB	19.9 dB
5,4-1,2	RH	OK	37.5 dB @ 248.00MHz	N/A	> 16.3 dB	21.2 dB
1,2-7,8	RH	OK	45.8 dB @ 175.00MHz	N/A	> 19.3 dB	26.5 dB
1,2-3,6	RH	OK	41.0 dB @ 121.00MHz	N/A	> 22.5 dB	18.5 dB
1,2-5,4	RH	OK	38.4 dB @ 249.50MHz	N/A	> 16.2 dB	22.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.5 dB @ 247.50MHz	N/A	> 32.4 dB	8.1 dB
3,6	DH	OK	39.8 dB @ 246.50MHz	N/A	> 32.4 dB	7.4 dB
5,4	DH	OK	46.4 dB @ 246.00MHz	N/A	> 32.4 dB	14.0 dB
1,2	DH	OK	44.4 dB @ 246.00MHz	N/A	> 32.4 dB	12.0 dB
7,8	RH	OK	40.5 dB @ 230.50MHz	N/A	> 32.9 dB	7.6 dB
3,6	RH	OK	43.0 dB @ 236.00MHz	N/A	> 32.7 dB	10.3 dB
5,4	RH	OK	42.4 dB @ 230.50MHz	N/A	> 32.9 dB	9.5 dB
1,2	RH	OK	45.7 dB @ 228.50MHz	N/A	> 33.0 dB	12.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	20.9 dB @ 246.50MHz	N/A	>= 1.5 dB	19.4 dB
3,6	DH	OK	19.9 dB @ 247.50MHz	N/A	>= 1.4 dB	18.5 dB
5,4	DH	OK	26.0 dB @ 245.50MHz	N/A	>= 1.6 dB	24.4 dB
1,2	DH	OK	25.5 dB @ 246.00MHz	N/A	>= 1.5 dB	24.0 dB
7,8	RH	OK	20.9 dB @ 230.00MHz	N/A	>= 3.2 dB	17.7 dB
3,6	RH	OK	23.1 dB @ 236.00MHz	N/A	>= 2.6 dB	20.5 dB
5,4	RH	OK	22.3 dB @ 230.50MHz	N/A	>= 3.2 dB	19.1 dB
1,2	RH	OK	27.3 dB @ 228.50MHz	N/A	>= 3.4 dB	23.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.0 dB @ 244.50MHz	N/A	>= 13.4 dB	21.6 dB
3,6	DH	OK	35.2 dB @ 250.00MHz	N/A	>= 13.2 dB	22.0 dB
5,4	DH	OK	34.4 dB @ 250.00MHz	N/A	>= 13.2 dB	21.2 dB
1,2	DH	OK	38.2 dB @ 248.00MHz	N/A	>= 13.3 dB	24.9 dB
7,8	RH	OK	34.9 dB @ 249.00MHz	N/A	>= 13.2 dB	21.7 dB
3,6	RH	OK	35.2 dB @ 177.50MHz	N/A	>= 16.2 dB	19.0 dB
5,4	RH	OK	34.8 dB @ 248.00MHz	N/A	>= 13.3 dB	21.5 dB
1,2	RH	OK	37.6 dB @ 250.00MHz	N/A	>= 13.2 dB	24.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

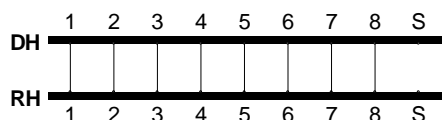
**OK**

ID cavo 1: 0131  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:37:04  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	60.6m	62.2m	63.5m	60.4m	< 90.0m	OK
Ritardo di propag.	296.0ns	303.1ns	309.3ns	294.8ns	< 510.0ns	OK
Diff. t. ritardo	14.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.6 Ohm	99.3 Ohm	98.5 Ohm	101.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.7 Ohm	12.1 Ohm	12.9 Ohm	11.7 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.5pF/m	47.9pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	9.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.4 dB @ 244.50MHz	N/A	> 35.5 dB	5.9 dB
7,8-5,4	DH	OK	52.1 dB @ 231.00MHz	N/A	> 35.9 dB	16.2 dB
7,8-1,2	DH	OK	55.3 dB @ 249.00MHz	N/A	> 35.3 dB	20.0 dB
3,6-5,4	DH	OK	51.6 dB @ 166.00MHz	N/A	> 38.2 dB	13.4 dB
3,6-1,2	DH	OK	47.1 dB @ 181.00MHz	N/A	> 37.6 dB	9.5 dB
5,4-1,2	DH	OK	51.1 dB @ 201.00MHz	N/A	> 36.9 dB	14.2 dB
7,8-3,6	RH	OK	45.5 dB @ 247.00MHz	N/A	> 35.4 dB	10.1 dB
7,8-5,4	RH	OK	47.1 dB @ 244.00MHz	N/A	> 35.5 dB	11.6 dB
7,8-1,2	RH	OK	51.0 dB @ 219.50MHz	N/A	> 36.2 dB	14.8 dB
3,6-5,4	RH	OK	54.3 dB @ 231.00MHz	N/A	> 35.9 dB	18.4 dB
3,6-1,2	RH	OK	46.5 dB @ 241.50MHz	N/A	> 35.6 dB	10.9 dB
5,4-1,2	RH	OK	54.1 dB @ 220.50MHz	N/A	> 36.2 dB	17.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.7 dB @ 219.00MHz	N/A	> 10.6 dB	6.1 dB
3,6	DH	OK	16.6 dB @ 223.00MHz	N/A	> 10.5 dB	6.1 dB
5,4	DH	OK	17.4 dB @ 230.00MHz	N/A	> 10.4 dB	7.0 dB
1,2	DH	OK	15.6 dB @ 218.50MHz	N/A	> 10.6 dB	5.0 dB
7,8	RH	OK	15.0 dB @ 227.00MHz	N/A	> 10.4 dB	4.6 dB
3,6	RH	OK	16.4 dB @ 228.00MHz	N/A	> 10.4 dB	6.0 dB
5,4	RH	OK	18.8 dB @ 224.00MHz	N/A	> 10.5 dB	8.3 dB
1,2	RH	OK	16.5 dB @ 229.00MHz	N/A	> 10.4 dB	6.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.3 dB @ 249.50MHz	N/A	< 31.1 dB	11.8 dB
3,6	OK	19.8 dB @ 249.00MHz	N/A	< 31.1 dB	11.3 dB
5,4	OK	19.9 dB @ 246.50MHz	N/A	< 30.9 dB	11.0 dB
1,2	OK	18.7 dB @ 240.50MHz	N/A	< 30.4 dB	11.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.7 dB @ 245.00MHz	N/A	>= 4.7 dB	18.0 dB
3,6	DH	OK	22.0 dB @ 244.50MHz	N/A	>= 4.8 dB	17.2 dB
5,4	DH	OK	32.3 dB @ 249.00MHz	N/A	>= 4.2 dB	28.1 dB
1,2	DH	OK	29.4 dB @ 248.50MHz	N/A	>= 4.4 dB	25.0 dB
7,8	RH	OK	26.6 dB @ 246.50MHz	N/A	>= 4.5 dB	22.1 dB
3,6	RH	OK	26.0 dB @ 246.00MHz	N/A	>= 4.5 dB	21.5 dB
5,4	RH	OK	28.0 dB @ 244.00MHz	N/A	>= 4.8 dB	23.2 dB
1,2	RH	OK	27.8 dB @ 240.50MHz	N/A	>= 5.2 dB	22.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0131  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:37:04  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.6 dB @ 176.50MHz	N/A	> 19.2 dB	14.4 dB
7,8-5,4	DH	OK	42.7 dB @ 166.00MHz	N/A	> 19.8 dB	22.9 dB
7,8-1,2	DH	OK	41.5 dB @ 127.50MHz	N/A	> 22.0 dB	19.5 dB
3,6-7,8	DH	OK	33.3 dB @ 176.50MHz	N/A	> 19.2 dB	14.1 dB
3,6-5,4	DH	OK	35.8 dB @ 191.00MHz	N/A	> 18.5 dB	17.3 dB
3,6-1,2	DH	OK	44.5 dB @ 184.50MHz	N/A	> 18.8 dB	25.7 dB
5,4-7,8	DH	OK	42.5 dB @ 173.00MHz	N/A	> 19.4 dB	23.1 dB
5,4-3,6	DH	OK	35.9 dB @ 188.00MHz	N/A	> 18.7 dB	17.2 dB
5,4-1,2	DH	OK	39.3 dB @ 203.00MHz	N/A	> 18.0 dB	21.3 dB
1,2-7,8	DH	OK	40.8 dB @ 121.50MHz	N/A	> 22.5 dB	18.3 dB
1,2-3,6	DH	OK	43.5 dB @ 120.50MHz	N/A	> 22.5 dB	21.0 dB
1,2-5,4	DH	OK	38.0 dB @ 205.50MHz	N/A	> 17.9 dB	20.1 dB
7,8-3,6	RH	OK	33.8 dB @ 176.50MHz	N/A	> 19.2 dB	14.6 dB
7,8-5,4	RH	OK	42.8 dB @ 166.00MHz	N/A	> 19.8 dB	23.0 dB
7,8-1,2	RH	OK	41.1 dB @ 130.50MHz	N/A	> 21.8 dB	19.3 dB
3,6-7,8	RH	OK	32.9 dB @ 179.50MHz	N/A	> 19.1 dB	13.8 dB
3,6-5,4	RH	OK	35.9 dB @ 190.50MHz	N/A	> 18.6 dB	17.3 dB
3,6-1,2	RH	OK	43.5 dB @ 184.50MHz	N/A	> 18.8 dB	24.7 dB
5,4-7,8	RH	OK	42.2 dB @ 188.00MHz	N/A	> 18.7 dB	23.5 dB
5,4-3,6	RH	OK	35.8 dB @ 195.00MHz	N/A	> 18.4 dB	17.4 dB
5,4-1,2	RH	OK	38.2 dB @ 201.50MHz	N/A	> 18.1 dB	20.1 dB
1,2-7,8	RH	OK	41.2 dB @ 122.50MHz	N/A	> 22.4 dB	18.8 dB
1,2-3,6	RH	OK	44.3 dB @ 120.50MHz	N/A	> 22.5 dB	21.8 dB
1,2-5,4	RH	OK	38.8 dB @ 203.00MHz	N/A	> 18.0 dB	20.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 244.50MHz	N/A	> 32.5 dB	8.7 dB
3,6	DH	OK	40.4 dB @ 244.50MHz	N/A	> 32.5 dB	7.9 dB
5,4	DH	OK	48.9 dB @ 231.00MHz	N/A	> 32.9 dB	16.0 dB
1,2	DH	OK	45.7 dB @ 248.50MHz	N/A	> 32.4 dB	13.3 dB
7,8	RH	OK	43.5 dB @ 246.00MHz	N/A	> 32.4 dB	11.1 dB
3,6	RH	OK	43.4 dB @ 247.00MHz	N/A	> 32.4 dB	11.0 dB
5,4	RH	OK	46.3 dB @ 243.50MHz	N/A	> 32.5 dB	13.8 dB
1,2	RH	OK	45.6 dB @ 240.50MHz	N/A	> 32.6 dB	13.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	22.5 dB @ 245.00MHz	N/A	>= 1.7 dB	20.8 dB
3,6	DH	OK	21.0 dB @ 244.50MHz	N/A	>= 1.8 dB	19.2 dB
5,4	DH	OK	30.1 dB @ 231.00MHz	N/A	>= 3.1 dB	27.0 dB
1,2	DH	OK	27.5 dB @ 248.50MHz	N/A	>= 1.4 dB	26.1 dB
7,8	RH	OK	24.6 dB @ 248.00MHz	N/A	>= 1.4 dB	23.2 dB
3,6	RH	OK	24.1 dB @ 247.00MHz	N/A	>= 1.5 dB	22.6 dB
5,4	RH	OK	27.2 dB @ 236.50MHz	N/A	>= 2.5 dB	24.7 dB
1,2	RH	OK	26.9 dB @ 240.50MHz	N/A	>= 2.2 dB	24.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.3 dB @ 176.50MHz	N/A	>= 16.2 dB	16.1 dB
3,6	DH	OK	31.7 dB @ 176.50MHz	N/A	>= 16.2 dB	15.5 dB
5,4	DH	OK	33.8 dB @ 201.50MHz	N/A	>= 15.1 dB	18.7 dB
1,2	DH	OK	37.7 dB @ 203.00MHz	N/A	>= 15.0 dB	22.7 dB
7,8	RH	OK	32.8 dB @ 176.50MHz	N/A	>= 16.2 dB	16.6 dB
3,6	RH	OK	31.2 dB @ 186.00MHz	N/A	>= 15.8 dB	15.4 dB
5,4	RH	OK	33.5 dB @ 201.50MHz	N/A	>= 15.1 dB	18.4 dB
1,2	RH	OK	38.0 dB @ 203.00MHz	N/A	>= 15.0 dB	23.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0132  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:38:07  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	60.7m	62.3m	63.7m	60.4m	< 90.0m	OK
Ritardo di propag.	296.2ns	303.6ns	309.9ns	294.8ns	< 510.0ns	OK
Diff. t. ritardo	15.1ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.6 Ohm	100.0 Ohm	99.2 Ohm	102.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.5 Ohm	11.9 Ohm	12.9 Ohm	11.6 Ohm	< 20.0 Ohm	OK
Capacità	47.0pF/m	47.2pF/m	47.6pF/m	46.1pF/m	< 66.0pF/m	OK
Riserva	9.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.4 dB @ 238.00MHz	N/A	> 35.7 dB	5.7 dB
7,8-5,4	DH	OK	52.5 dB @ 224.50MHz	N/A	> 36.1 dB	16.4 dB
7,8-1,2	DH	OK	63.9 dB @ 240.00MHz	N/A	> 35.6 dB	28.3 dB
3,6-5,4	DH	OK	51.6 dB @ 223.50MHz	N/A	> 36.1 dB	15.5 dB
3,6-1,2	DH	OK	48.0 dB @ 249.50MHz	N/A	> 35.3 dB	12.7 dB
5,4-1,2	DH	OK	49.7 dB @ 248.50MHz	N/A	> 35.4 dB	14.3 dB
7,8-3,6	RH	OK	47.0 dB @ 220.00MHz	N/A	> 36.2 dB	10.8 dB
7,8-5,4	RH	OK	46.3 dB @ 244.00MHz	N/A	> 35.5 dB	10.8 dB
7,8-1,2	RH	OK	54.2 dB @ 178.50MHz	N/A	> 37.7 dB	16.5 dB
3,6-5,4	RH	OK	50.5 dB @ 237.50MHz	N/A	> 35.7 dB	14.8 dB
3,6-1,2	RH	OK	51.6 dB @ 219.00MHz	N/A	> 36.3 dB	15.3 dB
5,4-1,2	RH	OK	50.1 dB @ 209.50MHz	N/A	> 36.6 dB	13.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.4 dB @ 219.50MHz	N/A	> 10.6 dB	6.8 dB
3,6	DH	OK	15.6 dB @ 228.50MHz	N/A	> 10.4 dB	5.2 dB
5,4	DH	OK	17.3 dB @ 236.50MHz	N/A	> 10.3 dB	7.0 dB
1,2	DH	OK	17.0 dB @ 223.50MHz	N/A	> 10.5 dB	6.5 dB
7,8	RH	OK	15.6 dB @ 219.50MHz	N/A	> 10.6 dB	5.0 dB
3,6	RH	OK	15.5 dB @ 228.00MHz	N/A	> 10.4 dB	5.1 dB
5,4	RH	OK	19.0 dB @ 224.00MHz	N/A	> 10.5 dB	8.5 dB
1,2	RH	OK	17.0 dB @ 229.00MHz	N/A	> 10.4 dB	6.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	19.4 dB @ 247.00MHz	N/A	< 30.9 dB	11.5 dB
3,6	OK	19.8 dB @ 241.00MHz	N/A	< 30.5 dB	10.7 dB
5,4	OK	19.5 dB @ 250.00MHz	N/A	< 31.2 dB	11.7 dB
1,2	OK	18.6 dB @ 239.00MHz	N/A	< 30.3 dB	11.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	22.9 dB @ 238.00MHz	N/A	>= 5.4 dB	17.5 dB
3,6	DH	OK	22.0 dB @ 238.00MHz	N/A	>= 5.4 dB	16.6 dB
5,4	DH	OK	30.5 dB @ 248.50MHz	N/A	>= 4.4 dB	26.1 dB
1,2	DH	OK	30.0 dB @ 249.50MHz	N/A	>= 4.2 dB	25.8 dB
7,8	RH	OK	27.6 dB @ 249.50MHz	N/A	>= 4.2 dB	23.4 dB
3,6	RH	OK	28.4 dB @ 241.00MHz	N/A	>= 5.1 dB	23.3 dB
5,4	RH	OK	26.8 dB @ 244.00MHz	N/A	>= 4.8 dB	22.0 dB
1,2	RH	OK	32.8 dB @ 247.00MHz	N/A	>= 4.5 dB	28.3 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0132  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:38:07  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.8 dB @ 177.00MHz	N/A	> 19.2 dB	17.6 dB
7,8-5,4	DH	OK	41.2 dB @ 162.00MHz	N/A	> 20.0 dB	21.2 dB
7,8-1,2	DH	OK	39.6 dB @ 239.00MHz	N/A	> 16.6 dB	23.0 dB
3,6-7,8	DH	OK	36.3 dB @ 175.50MHz	N/A	> 19.3 dB	17.0 dB
3,6-5,4	DH	OK	35.1 dB @ 189.50MHz	N/A	> 18.6 dB	16.5 dB
3,6-1,2	DH	OK	36.2 dB @ 231.50MHz	N/A	> 16.9 dB	19.3 dB
5,4-7,8	DH	OK	40.9 dB @ 164.50MHz	N/A	> 19.8 dB	21.1 dB
5,4-3,6	DH	OK	34.7 dB @ 186.00MHz	N/A	> 18.8 dB	15.9 dB
5,4-1,2	DH	OK	39.1 dB @ 250.00MHz	N/A	> 16.2 dB	22.9 dB
1,2-7,8	DH	OK	37.7 dB @ 245.50MHz	N/A	> 16.4 dB	21.3 dB
1,2-3,6	DH	OK	34.6 dB @ 237.00MHz	N/A	> 16.7 dB	17.9 dB
1,2-5,4	DH	OK	37.5 dB @ 250.00MHz	N/A	> 16.2 dB	21.3 dB
7,8-3,6	RH	OK	37.2 dB @ 173.00MHz	N/A	> 19.4 dB	17.8 dB
7,8-5,4	RH	OK	41.3 dB @ 162.00MHz	N/A	> 20.0 dB	21.3 dB
7,8-1,2	RH	OK	38.7 dB @ 247.00MHz	N/A	> 16.3 dB	22.4 dB
3,6-7,8	RH	OK	35.7 dB @ 173.50MHz	N/A	> 19.4 dB	16.3 dB
3,6-5,4	RH	OK	34.9 dB @ 188.00MHz	N/A	> 18.7 dB	16.2 dB
3,6-1,2	RH	OK	34.6 dB @ 234.00MHz	N/A	> 16.8 dB	17.8 dB
5,4-7,8	RH	OK	40.7 dB @ 162.50MHz	N/A	> 19.9 dB	20.8 dB
5,4-3,6	RH	OK	35.0 dB @ 176.00MHz	N/A	> 19.2 dB	15.8 dB
5,4-1,2	RH	OK	37.7 dB @ 250.00MHz	N/A	> 16.2 dB	21.5 dB
1,2-7,8	RH	OK	38.3 dB @ 249.00MHz	N/A	> 16.2 dB	22.1 dB
1,2-3,6	RH	OK	35.9 dB @ 236.00MHz	N/A	> 16.7 dB	19.2 dB
1,2-5,4	RH	OK	38.9 dB @ 250.00MHz	N/A	> 16.2 dB	22.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 238.00MHz	N/A	> 32.7 dB	8.6 dB
3,6	DH	OK	40.6 dB @ 238.00MHz	N/A	> 32.7 dB	7.9 dB
5,4	DH	OK	48.6 dB @ 248.50MHz	N/A	> 32.4 dB	16.2 dB
1,2	DH	OK	45.9 dB @ 249.50MHz	N/A	> 32.3 dB	13.6 dB
7,8	RH	OK	43.6 dB @ 242.50MHz	N/A	> 32.5 dB	11.1 dB
3,6	RH	OK	45.0 dB @ 220.00MHz	N/A	> 33.2 dB	11.8 dB
5,4	RH	OK	44.3 dB @ 249.50MHz	N/A	> 32.3 dB	12.0 dB
1,2	RH	OK	48.0 dB @ 249.00MHz	N/A	> 32.3 dB	15.7 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	22.8 dB @ 238.00MHz	N/A	>= 2.4 dB	20.4 dB
3,6	DH	OK	21.2 dB @ 238.00MHz	N/A	>= 2.4 dB	18.8 dB
5,4	DH	OK	29.4 dB @ 248.50MHz	N/A	>= 1.4 dB	28.0 dB
1,2	DH	OK	27.9 dB @ 249.00MHz	N/A	>= 1.2 dB	26.7 dB
7,8	RH	OK	25.4 dB @ 242.50MHz	N/A	>= 1.9 dB	23.5 dB
3,6	RH	OK	26.2 dB @ 230.50MHz	N/A	>= 3.2 dB	23.0 dB
5,4	RH	OK	24.9 dB @ 243.50MHz	N/A	>= 1.8 dB	23.1 dB
1,2	RH	OK	29.7 dB @ 249.00MHz	N/A	>= 1.2 dB	28.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.0 dB @ 173.00MHz	N/A	>= 16.4 dB	18.6 dB
3,6	DH	OK	31.7 dB @ 179.00MHz	N/A	>= 16.1 dB	15.6 dB
5,4	DH	OK	33.4 dB @ 195.50MHz	N/A	>= 15.3 dB	18.1 dB
1,2	DH	OK	34.3 dB @ 239.00MHz	N/A	>= 13.6 dB	20.7 dB
7,8	RH	OK	35.6 dB @ 173.00MHz	N/A	>= 16.4 dB	19.2 dB
3,6	RH	OK	32.1 dB @ 188.00MHz	N/A	>= 15.7 dB	16.4 dB
5,4	RH	OK	33.3 dB @ 192.50MHz	N/A	>= 15.5 dB	17.8 dB
1,2	RH	OK	33.6 dB @ 249.00MHz	N/A	>= 13.2 dB	20.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

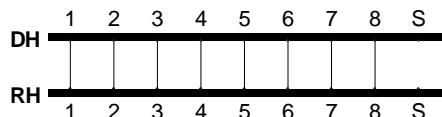
ID cavo 1: 0133  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:39:25  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	35.7m	36.7m	37.5m	35.7m	< 90.0m	OK
Ritardo di propag.	180.2ns	184.9ns	188.8ns	180.6ns	< 510.0ns	OK
Diff. t. ritardo	8.6ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.3 Ohm	100.0 Ohm	99.0 Ohm	102.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.8 Ohm	7.9 Ohm	8.9 Ohm	7.8 Ohm	< 20.0 Ohm	OK
Capacità	47.0pF/m	47.2pF/m	47.7pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	9.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.9 dB @ 239.00MHz	N/A	> 35.6 dB	5.3 dB
7,8-5,4	DH	OK	52.0 dB @ 231.00MHz	N/A	> 35.9 dB	16.1 dB
7,8-1,2	DH	OK	59.7 dB @ 154.50MHz	N/A	> 38.7 dB	21.0 dB
3,6-5,4	DH	OK	49.9 dB @ 231.00MHz	N/A	> 35.9 dB	14.0 dB
3,6-1,2	DH	OK	47.1 dB @ 250.00MHz	N/A	> 35.3 dB	11.8 dB
5,4-1,2	DH	OK	47.2 dB @ 250.00MHz	N/A	> 35.3 dB	11.9 dB
7,8-3,6	RH	OK	47.3 dB @ 227.50MHz	N/A	> 36.0 dB	11.3 dB
7,8-5,4	RH	OK	46.2 dB @ 235.00MHz	N/A	> 35.8 dB	10.4 dB
7,8-1,2	RH	OK	53.9 dB @ 247.50MHz	N/A	> 35.4 dB	18.5 dB
3,6-5,4	RH	OK	51.8 dB @ 231.50MHz	N/A	> 35.9 dB	15.9 dB
3,6-1,2	RH	OK	50.1 dB @ 250.00MHz	N/A	> 35.3 dB	14.8 dB
5,4-1,2	RH	OK	50.5 dB @ 205.50MHz	N/A	> 36.7 dB	13.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.1 dB @ 228.00MHz	N/A	> 10.4 dB	4.7 dB
3,6	DH	OK	15.3 dB @ 223.00MHz	N/A	> 10.5 dB	4.8 dB
5,4	DH	OK	17.3 dB @ 227.50MHz	N/A	> 10.4 dB	6.9 dB
1,2	DH	OK	17.5 dB @ 224.00MHz	N/A	> 10.5 dB	7.0 dB
7,8	RH	OK	15.6 dB @ 227.50MHz	N/A	> 10.4 dB	5.2 dB
3,6	RH	OK	15.1 dB @ 223.00MHz	N/A	> 10.5 dB	4.6 dB
5,4	RH	OK	17.0 dB @ 227.00MHz	N/A	> 10.4 dB	6.6 dB
1,2	RH	OK	17.4 dB @ 224.50MHz	N/A	> 10.5 dB	6.9 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.1 dB @ 242.50MHz	N/A	< 30.6 dB	18.5 dB
3,6	OK	11.7 dB @ 225.50MHz	N/A	< 29.3 dB	17.6 dB
5,4	OK	12.0 dB @ 234.50MHz	N/A	< 30.0 dB	18.0 dB
1,2	OK	11.3 dB @ 245.50MHz	N/A	< 30.8 dB	19.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	29.9 dB @ 247.00MHz	N/A	>= 4.5 dB	25.4 dB
3,6	DH	OK	29.6 dB @ 247.50MHz	N/A	>= 4.4 dB	25.2 dB
5,4	DH	OK	36.2 dB @ 250.00MHz	N/A	>= 4.1 dB	32.1 dB
1,2	DH	OK	36.4 dB @ 250.00MHz	N/A	>= 4.1 dB	32.3 dB
7,8	RH	OK	34.8 dB @ 235.00MHz	N/A	>= 5.8 dB	29.0 dB
3,6	RH	OK	36.2 dB @ 227.50MHz	N/A	>= 6.5 dB	29.7 dB
5,4	RH	OK	34.7 dB @ 234.50MHz	N/A	>= 5.8 dB	28.9 dB
1,2	RH	OK	39.4 dB @ 250.00MHz	N/A	>= 4.1 dB	35.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0133  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:39:25  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.6 dB @ 229.50MHz	N/A	> 16.9 dB	15.7 dB
7,8-5,4	DH	OK	41.6 dB @ 234.50MHz	N/A	> 16.8 dB	24.8 dB
7,8-1,2	DH	OK	44.4 dB @ 247.00MHz	N/A	> 16.3 dB	28.1 dB
3,6-7,8	DH	OK	31.8 dB @ 235.00MHz	N/A	> 16.7 dB	15.1 dB
3,6-5,4	DH	OK	31.8 dB @ 247.00MHz	N/A	> 16.3 dB	15.5 dB
3,6-1,2	DH	OK	43.0 dB @ 177.50MHz	N/A	> 19.2 dB	23.8 dB
5,4-7,8	DH	OK	40.8 dB @ 242.50MHz	N/A	> 16.5 dB	24.3 dB
5,4-3,6	DH	OK	32.5 dB @ 247.50MHz	N/A	> 16.3 dB	16.2 dB
5,4-1,2	DH	OK	37.6 dB @ 228.00MHz	N/A	> 17.0 dB	20.6 dB
1,2-7,8	DH	OK	43.2 dB @ 247.00MHz	N/A	> 16.3 dB	26.9 dB
1,2-3,6	DH	OK	41.6 dB @ 178.00MHz	N/A	> 19.2 dB	22.4 dB
1,2-5,4	DH	OK	36.4 dB @ 234.50MHz	N/A	> 16.8 dB	19.6 dB
7,8-3,6	RH	OK	32.7 dB @ 250.00MHz	N/A	> 16.2 dB	16.5 dB
7,8-5,4	RH	OK	41.9 dB @ 232.50MHz	N/A	> 16.8 dB	25.1 dB
7,8-1,2	RH	OK	44.2 dB @ 247.00MHz	N/A	> 16.3 dB	27.9 dB
3,6-7,8	RH	OK	31.6 dB @ 233.50MHz	N/A	> 16.8 dB	14.8 dB
3,6-5,4	RH	OK	32.0 dB @ 247.50MHz	N/A	> 16.3 dB	15.7 dB
3,6-1,2	RH	OK	42.4 dB @ 177.50MHz	N/A	> 19.2 dB	23.2 dB
5,4-7,8	RH	OK	40.7 dB @ 247.00MHz	N/A	> 16.3 dB	24.4 dB
5,4-3,6	RH	OK	32.4 dB @ 247.00MHz	N/A	> 16.3 dB	16.1 dB
5,4-1,2	RH	OK	36.5 dB @ 234.50MHz	N/A	> 16.8 dB	19.7 dB
1,2-7,8	RH	OK	43.4 dB @ 247.00MHz	N/A	> 16.3 dB	27.1 dB
1,2-3,6	RH	OK	42.2 dB @ 178.00MHz	N/A	> 19.2 dB	23.0 dB
1,2-5,4	RH	OK	37.7 dB @ 236.00MHz	N/A	> 16.7 dB	21.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.7 dB @ 239.00MHz	N/A	> 32.6 dB	8.1 dB
3,6	DH	OK	40.1 dB @ 250.00MHz	N/A	> 32.3 dB	7.8 dB
5,4	DH	OK	46.4 dB @ 250.00MHz	N/A	> 32.3 dB	14.1 dB
1,2	DH	OK	44.1 dB @ 250.00MHz	N/A	> 32.3 dB	11.8 dB
7,8	RH	OK	43.9 dB @ 227.50MHz	N/A	> 33.0 dB	10.9 dB
3,6	RH	OK	45.2 dB @ 228.00MHz	N/A	> 33.0 dB	12.2 dB
5,4	RH	OK	45.0 dB @ 223.00MHz	N/A	> 33.1 dB	11.9 dB
1,2	RH	OK	47.7 dB @ 250.00MHz	N/A	> 32.3 dB	15.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.7 dB @ 247.00MHz	N/A	>= 1.5 dB	28.2 dB
3,6	DH	OK	28.8 dB @ 250.00MHz	N/A	>= 1.1 dB	27.7 dB
5,4	DH	OK	35.4 dB @ 250.00MHz	N/A	>= 1.1 dB	34.3 dB
1,2	DH	OK	33.4 dB @ 250.00MHz	N/A	>= 1.1 dB	32.3 dB
7,8	RH	OK	33.0 dB @ 227.50MHz	N/A	>= 3.5 dB	29.5 dB
3,6	RH	OK	33.8 dB @ 228.00MHz	N/A	>= 3.5 dB	30.3 dB
5,4	RH	OK	33.5 dB @ 234.50MHz	N/A	>= 2.8 dB	30.7 dB
1,2	RH	OK	37.0 dB @ 250.00MHz	N/A	>= 1.1 dB	35.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.2 dB @ 242.50MHz	N/A	>= 13.5 dB	17.7 dB
3,6	DH	OK	29.6 dB @ 250.00MHz	N/A	>= 13.2 dB	16.4 dB
5,4	DH	OK	30.6 dB @ 247.00MHz	N/A	>= 13.3 dB	17.3 dB
1,2	DH	OK	36.9 dB @ 245.50MHz	N/A	>= 13.4 dB	23.5 dB
7,8	RH	OK	31.9 dB @ 242.50MHz	N/A	>= 13.5 dB	18.4 dB
3,6	RH	OK	29.2 dB @ 247.50MHz	N/A	>= 13.3 dB	15.9 dB
5,4	RH	OK	30.7 dB @ 247.00MHz	N/A	>= 13.3 dB	17.4 dB
1,2	RH	OK	36.7 dB @ 228.00MHz	N/A	>= 14.0 dB	22.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

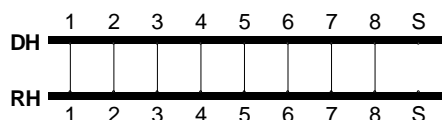
**OK**

ID cavo 1: 0134  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:40:26  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	35.6m	36.6m	37.5m	35.7m	< 90.0m	OK
Ritardo di propag.	180.0ns	184.8ns	188.8ns	180.2ns	< 510.0ns	OK
Diff. t. ritardo	8.8ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.0 Ohm	99.3 Ohm	97.0 Ohm	102.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.8 Ohm	7.7 Ohm	8.9 Ohm	7.8 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.6pF/m	48.7pF/m	46.1pF/m	< 66.0pF/m	OK
Riserva	7.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.0 dB @ 236.00MHz	N/A	> 35.7 dB	6.3 dB
7,8-5,4	DH	OK	51.6 dB @ 173.50MHz	N/A	> 37.9 dB	13.7 dB
7,8-1,2	DH	OK	56.6 dB @ 248.50MHz	N/A	> 35.4 dB	21.2 dB
3,6-5,4	DH	OK	49.3 dB @ 241.00MHz	N/A	> 35.6 dB	13.7 dB
3,6-1,2	DH	OK	45.1 dB @ 238.50MHz	N/A	> 35.7 dB	9.4 dB
5,4-1,2	DH	OK	48.3 dB @ 245.00MHz	N/A	> 35.5 dB	12.8 dB
7,8-3,6	RH	OK	45.4 dB @ 227.50MHz	N/A	> 36.0 dB	9.4 dB
7,8-5,4	RH	OK	46.6 dB @ 195.50MHz	N/A	> 37.1 dB	9.5 dB
7,8-1,2	RH	OK	53.6 dB @ 201.50MHz	N/A	> 36.8 dB	16.8 dB
3,6-5,4	RH	OK	52.0 dB @ 223.50MHz	N/A	> 36.1 dB	15.9 dB
3,6-1,2	RH	OK	47.5 dB @ 219.50MHz	N/A	> 36.2 dB	11.3 dB
5,4-1,2	RH	OK	49.1 dB @ 249.00MHz	N/A	> 35.3 dB	13.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 222.50MHz	N/A	> 10.5 dB	5.9 dB
3,6	DH	OK	15.4 dB @ 234.00MHz	N/A	> 10.3 dB	5.1 dB
5,4	DH	OK	16.1 dB @ 230.00MHz	N/A	> 10.4 dB	5.7 dB
1,2	DH	OK	16.5 dB @ 224.50MHz	N/A	> 10.5 dB	6.0 dB
7,8	RH	OK	14.8 dB @ 219.00MHz	N/A	> 10.6 dB	4.2 dB
3,6	RH	OK	15.5 dB @ 226.00MHz	N/A	> 10.4 dB	5.1 dB
5,4	RH	OK	16.7 dB @ 230.00MHz	N/A	> 10.4 dB	6.3 dB
1,2	RH	OK	16.2 dB @ 164.50MHz	N/A	> 11.8 dB	4.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.7 dB @ 235.50MHz	N/A	< 30.1 dB	18.4 dB
3,6	OK	12.0 dB @ 248.00MHz	N/A	< 31.0 dB	19.0 dB
5,4	OK	12.2 dB @ 249.00MHz	N/A	< 31.1 dB	18.9 dB
1,2	OK	11.1 dB @ 243.50MHz	N/A	< 30.7 dB	19.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.8 dB @ 247.50MHz	N/A	>= 4.4 dB	26.4 dB
3,6	DH	OK	30.3 dB @ 236.00MHz	N/A	>= 5.6 dB	24.7 dB
5,4	DH	OK	36.3 dB @ 245.50MHz	N/A	>= 4.6 dB	31.7 dB
1,2	DH	OK	34.2 dB @ 238.50MHz	N/A	>= 5.4 dB	28.8 dB
7,8	RH	OK	34.8 dB @ 227.50MHz	N/A	>= 6.5 dB	28.3 dB
3,6	RH	OK	34.6 dB @ 227.00MHz	N/A	>= 6.5 dB	28.1 dB
5,4	RH	OK	35.4 dB @ 229.50MHz	N/A	>= 6.3 dB	29.1 dB
1,2	RH	OK	37.2 dB @ 219.50MHz	N/A	>= 7.3 dB	29.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0134  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:40:26  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.3 dB @ 225.00MHz	N/A	> 17.1 dB	18.2 dB
7,8-5,4	DH	OK	42.6 dB @ 171.00MHz	N/A	> 19.5 dB	23.1 dB
7,8-1,2	DH	OK	46.4 dB @ 227.00MHz	N/A	> 17.0 dB	29.4 dB
3,6-7,8	DH	OK	34.3 dB @ 235.50MHz	N/A	> 16.7 dB	17.6 dB
3,6-5,4	DH	OK	31.2 dB @ 246.50MHz	N/A	> 16.3 dB	14.9 dB
3,6-1,2	DH	OK	45.3 dB @ 181.00MHz	N/A	> 19.0 dB	26.3 dB
5,4-7,8	DH	OK	41.8 dB @ 167.50MHz	N/A	> 19.7 dB	22.1 dB
5,4-3,6	DH	OK	31.7 dB @ 249.50MHz	N/A	> 16.2 dB	15.5 dB
5,4-1,2	DH	OK	38.2 dB @ 232.00MHz	N/A	> 16.9 dB	21.3 dB
1,2-7,8	DH	OK	47.1 dB @ 249.00MHz	N/A	> 16.2 dB	30.9 dB
1,2-3,6	DH	OK	46.8 dB @ 174.00MHz	N/A	> 19.3 dB	27.5 dB
1,2-5,4	DH	OK	36.7 dB @ 236.00MHz	N/A	> 16.7 dB	20.0 dB
7,8-3,6	RH	OK	35.8 dB @ 228.50MHz	N/A	> 17.0 dB	18.8 dB
7,8-5,4	RH	OK	43.2 dB @ 171.00MHz	N/A	> 19.5 dB	23.7 dB
7,8-1,2	RH	OK	46.4 dB @ 247.00MHz	N/A	> 16.3 dB	30.1 dB
3,6-7,8	RH	OK	33.7 dB @ 232.00MHz	N/A	> 16.9 dB	16.8 dB
3,6-5,4	RH	OK	31.2 dB @ 248.00MHz	N/A	> 16.3 dB	14.9 dB
3,6-1,2	RH	OK	44.7 dB @ 181.00MHz	N/A	> 19.0 dB	25.7 dB
5,4-7,8	RH	OK	41.4 dB @ 170.50MHz	N/A	> 19.5 dB	21.9 dB
5,4-3,6	RH	OK	31.6 dB @ 249.00MHz	N/A	> 16.2 dB	15.4 dB
5,4-1,2	RH	OK	37.5 dB @ 237.00MHz	N/A	> 16.7 dB	20.8 dB
1,2-7,8	RH	OK	47.3 dB @ 248.00MHz	N/A	> 16.3 dB	31.0 dB
1,2-3,6	RH	OK	47.3 dB @ 169.50MHz	N/A	> 19.6 dB	27.7 dB
1,2-5,4	RH	OK	37.2 dB @ 232.00MHz	N/A	> 16.9 dB	20.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.7 dB @ 236.00MHz	N/A	> 32.7 dB	9.0 dB
3,6	DH	OK	40.4 dB @ 238.50MHz	N/A	> 32.7 dB	7.7 dB
5,4	DH	OK	46.4 dB @ 241.00MHz	N/A	> 32.6 dB	13.8 dB
1,2	DH	OK	44.0 dB @ 238.50MHz	N/A	> 32.7 dB	11.3 dB
7,8	RH	OK	42.9 dB @ 227.50MHz	N/A	> 33.0 dB	9.9 dB
3,6	RH	OK	43.2 dB @ 227.50MHz	N/A	> 33.0 dB	10.2 dB
5,4	RH	OK	44.9 dB @ 205.50MHz	N/A	> 33.7 dB	11.2 dB
1,2	RH	OK	46.5 dB @ 247.50MHz	N/A	> 32.4 dB	14.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.5 dB @ 247.50MHz	N/A	>= 1.4 dB	29.1 dB
3,6	DH	OK	28.5 dB @ 238.50MHz	N/A	>= 2.4 dB	26.1 dB
5,4	DH	OK	34.6 dB @ 246.50MHz	N/A	>= 1.5 dB	33.1 dB
1,2	DH	OK	33.1 dB @ 238.50MHz	N/A	>= 2.4 dB	30.7 dB
7,8	RH	OK	32.3 dB @ 227.50MHz	N/A	>= 3.5 dB	28.8 dB
3,6	RH	OK	32.4 dB @ 227.00MHz	N/A	>= 3.5 dB	28.9 dB
5,4	RH	OK	33.5 dB @ 249.00MHz	N/A	>= 1.2 dB	32.3 dB
1,2	RH	OK	35.8 dB @ 247.50MHz	N/A	>= 1.4 dB	34.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.9 dB @ 235.50MHz	N/A	>= 13.7 dB	20.2 dB
3,6	DH	OK	30.0 dB @ 249.50MHz	N/A	>= 13.2 dB	16.8 dB
5,4	DH	OK	30.1 dB @ 246.50MHz	N/A	>= 13.3 dB	16.8 dB
1,2	DH	OK	37.2 dB @ 232.00MHz	N/A	>= 13.9 dB	23.3 dB
7,8	RH	OK	35.2 dB @ 228.50MHz	N/A	>= 14.0 dB	21.2 dB
3,6	RH	OK	29.5 dB @ 248.00MHz	N/A	>= 13.3 dB	16.2 dB
5,4	RH	OK	30.5 dB @ 249.00MHz	N/A	>= 13.2 dB	17.3 dB
1,2	RH	OK	36.7 dB @ 232.00MHz	N/A	>= 13.9 dB	22.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

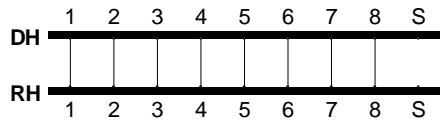
ID cavo 1: 0135  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:41:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	35.6m	36.6m	37.4m	35.6m	< 90.0m	OK
Ritardo di propag.	179.8ns	184.4ns	188.1ns	180.1ns	< 510.0ns	OK
Diff. t. ritardo	8.3ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.8 Ohm	99.7 Ohm	98.3 Ohm	101.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.7 Ohm	7.7 Ohm	8.9 Ohm	7.8 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.4pF/m	48.0pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	9.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.1 dB @ 246.00MHz	N/A	> 35.4 dB	6.7 dB
7,8-5,4	DH	OK	49.6 dB @ 226.00MHz	N/A	> 36.0 dB	13.6 dB
7,8-1,2	DH	OK	55.9 dB @ 213.50MHz	N/A	> 36.4 dB	19.5 dB
3,6-5,4	DH	OK	50.4 dB @ 231.50MHz	N/A	> 35.9 dB	14.5 dB
3,6-1,2	DH	OK	46.5 dB @ 244.00MHz	N/A	> 35.5 dB	11.0 dB
5,4-1,2	DH	OK	48.5 dB @ 249.50MHz	N/A	> 35.3 dB	13.2 dB
7,8-3,6	RH	OK	46.1 dB @ 222.00MHz	N/A	> 36.2 dB	9.9 dB
7,8-5,4	RH	OK	44.5 dB @ 241.50MHz	N/A	> 35.6 dB	8.9 dB
7,8-1,2	RH	OK	56.6 dB @ 210.50MHz	N/A	> 36.5 dB	20.1 dB
3,6-5,4	RH	OK	50.5 dB @ 240.50MHz	N/A	> 35.6 dB	14.9 dB
3,6-1,2	RH	OK	48.1 dB @ 225.50MHz	N/A	> 36.0 dB	12.1 dB
5,4-1,2	RH	OK	50.4 dB @ 247.00MHz	N/A	> 35.4 dB	15.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 222.50MHz	N/A	> 10.5 dB	5.6 dB
3,6	DH	OK	15.7 dB @ 223.50MHz	N/A	> 10.5 dB	5.2 dB
5,4	DH	OK	16.9 dB @ 233.00MHz	N/A	> 10.3 dB	6.6 dB
1,2	DH	OK	17.6 dB @ 219.00MHz	N/A	> 10.6 dB	7.0 dB
7,8	RH	OK	17.5 dB @ 222.50MHz	N/A	> 10.5 dB	7.0 dB
3,6	RH	OK	15.9 dB @ 223.50MHz	N/A	> 10.5 dB	5.4 dB
5,4	RH	OK	19.1 dB @ 222.00MHz	N/A	> 10.5 dB	8.6 dB
1,2	RH	OK	16.9 dB @ 219.00MHz	N/A	> 10.6 dB	6.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.7 dB @ 248.50MHz	N/A	< 31.0 dB	19.3 dB
3,6	OK	12.0 dB @ 240.50MHz	N/A	< 30.4 dB	18.4 dB
5,4	OK	11.6 dB @ 247.00MHz	N/A	< 30.9 dB	19.3 dB
1,2	OK	11.2 dB @ 225.50MHz	N/A	< 29.3 dB	18.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.6 dB @ 248.50MHz	N/A	>= 4.4 dB	26.2 dB
3,6	DH	OK	30.5 dB @ 246.00MHz	N/A	>= 4.5 dB	26.0 dB
5,4	DH	OK	37.2 dB @ 249.50MHz	N/A	>= 4.2 dB	33.0 dB
1,2	DH	OK	35.8 dB @ 244.00MHz	N/A	>= 4.8 dB	31.0 dB
7,8	RH	OK	33.4 dB @ 241.50MHz	N/A	>= 5.1 dB	28.3 dB
3,6	RH	OK	35.4 dB @ 222.00MHz	N/A	>= 7.1 dB	28.3 dB
5,4	RH	OK	33.6 dB @ 241.50MHz	N/A	>= 5.1 dB	28.5 dB
1,2	RH	OK	36.9 dB @ 225.50MHz	N/A	>= 6.7 dB	30.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0135  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:41:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.5 dB @ 229.50MHz	N/A	> 16.9 dB	15.6 dB
7,8-5,4	DH	OK	43.8 dB @ 162.00MHz	N/A	> 20.0 dB	23.8 dB
7,8-1,2	DH	OK	43.8 dB @ 249.50MHz	N/A	> 16.2 dB	27.6 dB
3,6-7,8	DH	OK	32.5 dB @ 241.50MHz	N/A	> 16.5 dB	16.0 dB
3,6-5,4	DH	OK	31.6 dB @ 250.00MHz	N/A	> 16.2 dB	15.4 dB
3,6-1,2	DH	OK	41.1 dB @ 176.00MHz	N/A	> 19.2 dB	21.9 dB
5,4-7,8	DH	OK	42.9 dB @ 175.00MHz	N/A	> 19.3 dB	23.6 dB
5,4-3,6	DH	OK	32.0 dB @ 250.00MHz	N/A	> 16.2 dB	15.8 dB
5,4-1,2	DH	OK	38.0 dB @ 232.00MHz	N/A	> 16.9 dB	21.1 dB
1,2-7,8	DH	OK	46.4 dB @ 231.00MHz	N/A	> 16.9 dB	29.5 dB
1,2-3,6	DH	OK	40.9 dB @ 172.00MHz	N/A	> 19.4 dB	21.5 dB
1,2-5,4	DH	OK	36.8 dB @ 233.50MHz	N/A	> 16.8 dB	20.0 dB
7,8-3,6	RH	OK	32.9 dB @ 231.00MHz	N/A	> 16.9 dB	16.0 dB
7,8-5,4	RH	OK	43.9 dB @ 162.00MHz	N/A	> 20.0 dB	23.9 dB
7,8-1,2	RH	OK	43.6 dB @ 248.50MHz	N/A	> 16.3 dB	27.3 dB
3,6-7,8	RH	OK	31.9 dB @ 233.50MHz	N/A	> 16.8 dB	15.1 dB
3,6-5,4	RH	OK	31.6 dB @ 250.00MHz	N/A	> 16.2 dB	15.4 dB
3,6-1,2	RH	OK	40.4 dB @ 176.00MHz	N/A	> 19.2 dB	21.2 dB
5,4-7,8	RH	OK	42.7 dB @ 165.50MHz	N/A	> 19.8 dB	22.9 dB
5,4-3,6	RH	OK	32.0 dB @ 250.00MHz	N/A	> 16.2 dB	15.8 dB
5,4-1,2	RH	OK	37.5 dB @ 230.50MHz	N/A	> 16.9 dB	20.6 dB
1,2-7,8	RH	OK	46.6 dB @ 226.00MHz	N/A	> 17.1 dB	29.5 dB
1,2-3,6	RH	OK	41.5 dB @ 172.50MHz	N/A	> 19.4 dB	22.1 dB
1,2-5,4	RH	OK	37.1 dB @ 234.00MHz	N/A	> 16.8 dB	20.3 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.8 dB @ 246.00MHz	N/A	> 32.4 dB	9.4 dB
3,6	DH	OK	40.8 dB @ 242.50MHz	N/A	> 32.5 dB	8.3 dB
5,4	DH	OK	46.7 dB @ 235.00MHz	N/A	> 32.8 dB	13.9 dB
1,2	DH	OK	44.6 dB @ 249.00MHz	N/A	> 32.3 dB	12.3 dB
7,8	RH	OK	43.0 dB @ 226.00MHz	N/A	> 33.0 dB	10.0 dB
3,6	RH	OK	43.8 dB @ 225.50MHz	N/A	> 33.0 dB	10.8 dB
5,4	RH	OK	43.2 dB @ 241.50MHz	N/A	> 32.6 dB	10.6 dB
1,2	RH	OK	46.5 dB @ 247.50MHz	N/A	> 32.4 dB	14.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.3 dB @ 248.50MHz	N/A	>= 1.4 dB	28.9 dB
3,6	DH	OK	29.3 dB @ 242.50MHz	N/A	>= 1.9 dB	27.4 dB
5,4	DH	OK	35.5 dB @ 235.00MHz	N/A	>= 2.8 dB	32.7 dB
1,2	DH	OK	33.8 dB @ 249.00MHz	N/A	>= 1.2 dB	32.6 dB
7,8	RH	OK	32.4 dB @ 231.00MHz	N/A	>= 3.1 dB	29.3 dB
3,6	RH	OK	32.8 dB @ 225.50MHz	N/A	>= 3.7 dB	29.1 dB
5,4	RH	OK	32.3 dB @ 241.50MHz	N/A	>= 2.1 dB	30.2 dB
1,2	RH	OK	35.6 dB @ 247.50MHz	N/A	>= 1.4 dB	34.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.2 dB @ 241.50MHz	N/A	>= 13.5 dB	18.7 dB
3,6	DH	OK	29.2 dB @ 250.00MHz	N/A	>= 13.2 dB	16.0 dB
5,4	DH	OK	30.5 dB @ 250.00MHz	N/A	>= 13.2 dB	17.3 dB
1,2	DH	OK	37.1 dB @ 234.00MHz	N/A	>= 13.8 dB	23.3 dB
7,8	RH	OK	32.4 dB @ 250.00MHz	N/A	>= 13.2 dB	19.2 dB
3,6	RH	OK	29.0 dB @ 246.00MHz	N/A	>= 13.3 dB	15.7 dB
5,4	RH	OK	30.9 dB @ 250.00MHz	N/A	>= 13.2 dB	17.7 dB
1,2	RH	OK	36.3 dB @ 234.00MHz	N/A	>= 13.8 dB	22.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

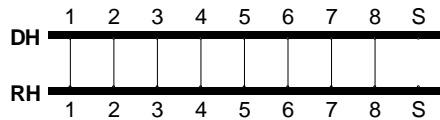
ID cavo 1: 0136  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:42:35  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	35.7m	36.7m	37.5m	35.7m	< 90.0m	OK
Ritardo di propag.	180.4ns	184.8ns	188.9ns	180.6ns	< 510.0ns	OK
Diff. t. ritardo	8.5ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.3 Ohm	98.2 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.9 Ohm	7.9 Ohm	8.9 Ohm	7.8 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.5pF/m	48.1pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	9.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.2 dB @ 230.00MHz	N/A	> 35.9 dB	6.3 dB
7,8-5,4	DH	OK	52.8 dB @ 240.00MHz	N/A	> 35.6 dB	17.2 dB
7,8-1,2	DH	OK	54.1 dB @ 213.50MHz	N/A	> 36.4 dB	17.7 dB
3,6-5,4	DH	OK	53.1 dB @ 230.50MHz	N/A	> 35.9 dB	17.2 dB
3,6-1,2	DH	OK	44.5 dB @ 243.50MHz	N/A	> 35.5 dB	9.0 dB
5,4-1,2	DH	OK	47.5 dB @ 205.00MHz	N/A	> 36.7 dB	10.8 dB
7,8-3,6	RH	OK	48.8 dB @ 220.50MHz	N/A	> 36.2 dB	12.6 dB
7,8-5,4	RH	OK	45.3 dB @ 232.50MHz	N/A	> 35.8 dB	9.5 dB
7,8-1,2	RH	OK	56.4 dB @ 218.00MHz	N/A	> 36.3 dB	20.1 dB
3,6-5,4	RH	OK	54.0 dB @ 239.50MHz	N/A	> 35.6 dB	18.4 dB
3,6-1,2	RH	OK	43.5 dB @ 227.50MHz	N/A	> 36.0 dB	7.5 dB
5,4-1,2	RH	OK	50.0 dB @ 204.50MHz	N/A	> 36.7 dB	13.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 230.00MHz	N/A	> 10.4 dB	5.5 dB
3,6	DH	OK	16.1 dB @ 223.00MHz	N/A	> 10.5 dB	5.6 dB
5,4	DH	OK	17.9 dB @ 237.50MHz	N/A	> 10.2 dB	7.7 dB
1,2	DH	OK	16.7 dB @ 217.50MHz	N/A	> 10.6 dB	6.1 dB
7,8	RH	OK	15.2 dB @ 212.50MHz	N/A	> 10.7 dB	4.5 dB
3,6	RH	OK	15.1 dB @ 222.50MHz	N/A	> 10.5 dB	4.6 dB
5,4	RH	OK	16.9 dB @ 234.50MHz	N/A	> 10.3 dB	6.6 dB
1,2	RH	OK	16.5 dB @ 229.00MHz	N/A	> 10.4 dB	6.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.6 dB @ 233.50MHz	N/A	< 29.9 dB	18.3 dB
3,6	OK	11.9 dB @ 241.50MHz	N/A	< 30.5 dB	18.6 dB
5,4	OK	12.0 dB @ 245.50MHz	N/A	< 30.8 dB	18.8 dB
1,2	OK	11.2 dB @ 249.00MHz	N/A	< 31.1 dB	19.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	31.2 dB @ 230.00MHz	N/A	>= 6.2 dB	25.0 dB
3,6	DH	OK	31.2 dB @ 230.00MHz	N/A	>= 6.2 dB	25.0 dB
5,4	DH	OK	36.4 dB @ 248.00MHz	N/A	>= 4.4 dB	32.0 dB
1,2	DH	OK	34.1 dB @ 243.50MHz	N/A	>= 4.8 dB	29.3 dB
7,8	RH	OK	34.0 dB @ 233.50MHz	N/A	>= 5.9 dB	28.1 dB
3,6	RH	OK	32.2 dB @ 247.00MHz	N/A	>= 4.5 dB	27.7 dB
5,4	RH	OK	34.2 dB @ 232.50MHz	N/A	>= 5.9 dB	28.3 dB
1,2	RH	OK	33.1 dB @ 236.00MHz	N/A	>= 5.6 dB	27.5 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0136  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:42:35  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.3 dB @ 232.00MHz	N/A	> 16.9 dB	15.4 dB
7,8-5,4	DH	OK	43.0 dB @ 161.50MHz	N/A	> 20.0 dB	23.0 dB
7,8-1,2	DH	OK	47.4 dB @ 249.00MHz	N/A	> 16.2 dB	31.2 dB
3,6-7,8	DH	OK	32.3 dB @ 232.00MHz	N/A	> 16.9 dB	15.4 dB
3,6-5,4	DH	OK	30.8 dB @ 250.00MHz	N/A	> 16.2 dB	14.6 dB
3,6-1,2	DH	OK	44.2 dB @ 243.00MHz	N/A	> 16.5 dB	27.7 dB
5,4-7,8	DH	OK	42.2 dB @ 161.00MHz	N/A	> 20.0 dB	22.2 dB
5,4-3,6	DH	OK	31.0 dB @ 249.50MHz	N/A	> 16.2 dB	14.8 dB
5,4-1,2	DH	OK	38.4 dB @ 232.50MHz	N/A	> 16.8 dB	21.6 dB
1,2-7,8	DH	OK	46.9 dB @ 229.50MHz	N/A	> 16.9 dB	30.0 dB
1,2-3,6	DH	OK	44.8 dB @ 249.50MHz	N/A	> 16.2 dB	28.6 dB
1,2-5,4	DH	OK	37.7 dB @ 245.50MHz	N/A	> 16.4 dB	21.3 dB
7,8-3,6	RH	OK	32.7 dB @ 227.00MHz	N/A	> 17.0 dB	15.7 dB
7,8-5,4	RH	OK	43.0 dB @ 161.50MHz	N/A	> 20.0 dB	23.0 dB
7,8-1,2	RH	OK	46.7 dB @ 248.00MHz	N/A	> 16.3 dB	30.4 dB
3,6-7,8	RH	OK	31.3 dB @ 232.00MHz	N/A	> 16.9 dB	14.4 dB
3,6-5,4	RH	OK	30.9 dB @ 249.50MHz	N/A	> 16.2 dB	14.7 dB
3,6-1,2	RH	OK	43.6 dB @ 243.00MHz	N/A	> 16.5 dB	27.1 dB
5,4-7,8	RH	OK	41.9 dB @ 248.00MHz	N/A	> 16.3 dB	25.6 dB
5,4-3,6	RH	OK	31.0 dB @ 247.00MHz	N/A	> 16.3 dB	14.7 dB
5,4-1,2	RH	OK	38.0 dB @ 232.50MHz	N/A	> 16.8 dB	21.2 dB
1,2-7,8	RH	OK	47.2 dB @ 229.50MHz	N/A	> 16.9 dB	30.3 dB
1,2-3,6	RH	OK	45.8 dB @ 250.00MHz	N/A	> 16.2 dB	29.6 dB
1,2-5,4	RH	OK	38.2 dB @ 242.00MHz	N/A	> 16.5 dB	21.7 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.9 dB @ 230.00MHz	N/A	> 32.9 dB	9.0 dB
3,6	DH	OK	41.2 dB @ 244.00MHz	N/A	> 32.5 dB	8.7 dB
5,4	DH	OK	47.3 dB @ 205.00MHz	N/A	> 33.7 dB	13.6 dB
1,2	DH	OK	43.2 dB @ 243.50MHz	N/A	> 32.5 dB	10.7 dB
7,8	RH	OK	44.4 dB @ 232.50MHz	N/A	> 32.8 dB	11.6 dB
3,6	RH	OK	42.7 dB @ 247.00MHz	N/A	> 32.4 dB	10.3 dB
5,4	RH	OK	44.5 dB @ 244.50MHz	N/A	> 32.5 dB	12.0 dB
1,2	RH	OK	43.0 dB @ 247.00MHz	N/A	> 32.4 dB	10.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.9 dB @ 230.00MHz	N/A	>= 3.2 dB	27.7 dB
3,6	DH	OK	29.5 dB @ 241.50MHz	N/A	>= 2.1 dB	27.4 dB
5,4	DH	OK	35.7 dB @ 249.00MHz	N/A	>= 1.2 dB	34.5 dB
1,2	DH	OK	32.7 dB @ 245.00MHz	N/A	>= 1.7 dB	31.0 dB
7,8	RH	OK	33.3 dB @ 245.00MHz	N/A	>= 1.7 dB	31.6 dB
3,6	RH	OK	31.2 dB @ 247.00MHz	N/A	>= 1.5 dB	29.7 dB
5,4	RH	OK	33.1 dB @ 244.50MHz	N/A	>= 1.8 dB	31.3 dB
1,2	RH	OK	32.5 dB @ 247.50MHz	N/A	>= 1.4 dB	31.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.0 dB @ 229.50MHz	N/A	>= 13.9 dB	18.1 dB
3,6	DH	OK	28.7 dB @ 249.50MHz	N/A	>= 13.2 dB	15.5 dB
5,4	DH	OK	29.9 dB @ 250.00MHz	N/A	>= 13.2 dB	16.7 dB
1,2	DH	OK	37.4 dB @ 232.50MHz	N/A	>= 13.8 dB	23.6 dB
7,8	RH	OK	32.3 dB @ 226.50MHz	N/A	>= 14.1 dB	18.2 dB
3,6	RH	OK	28.6 dB @ 232.00MHz	N/A	>= 13.9 dB	14.7 dB
5,4	RH	OK	30.1 dB @ 250.00MHz	N/A	>= 13.2 dB	16.9 dB
1,2	RH	OK	37.4 dB @ 242.00MHz	N/A	>= 13.5 dB	23.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

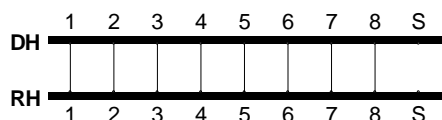
ID cavo 1: 0137  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:43:57  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.4m	40.5m	41.4m	39.4m	< 90.0m	OK
Ritardo di propag.	197.4ns	202.7ns	206.8ns	197.6ns	< 510.0ns	OK
Diff. t. ritardo	9.4ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.0 Ohm	99.7 Ohm	98.8 Ohm	101.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.2 Ohm	8.7 Ohm	9.5 Ohm	8.4 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.4pF/m	47.8pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	7.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.8 dB @ 233.00MHz	N/A	> 35.8 dB	6.0 dB
7,8-5,4	DH	OK	52.1 dB @ 231.00MHz	N/A	> 35.9 dB	16.2 dB
7,8-1,2	DH	OK	58.8 dB @ 219.50MHz	N/A	> 36.2 dB	22.6 dB
3,6-5,4	DH	OK	53.3 dB @ 228.50MHz	N/A	> 36.0 dB	17.3 dB
3,6-1,2	DH	OK	42.5 dB @ 243.50MHz	N/A	> 35.5 dB	7.0 dB
5,4-1,2	DH	OK	48.1 dB @ 250.00MHz	N/A	> 35.3 dB	12.8 dB
7,8-3,6	RH	OK	44.6 dB @ 250.00MHz	N/A	> 35.3 dB	9.3 dB
7,8-5,4	RH	OK	47.0 dB @ 182.00MHz	N/A	> 37.6 dB	9.4 dB
7,8-1,2	RH	OK	50.1 dB @ 250.00MHz	N/A	> 35.3 dB	14.8 dB
3,6-5,4	RH	OK	51.3 dB @ 114.50MHz	N/A	> 40.8 dB	10.5 dB
3,6-1,2	RH	OK	47.9 dB @ 169.50MHz	N/A	> 38.1 dB	9.8 dB
5,4-1,2	RH	OK	47.5 dB @ 245.00MHz	N/A	> 35.5 dB	12.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 220.50MHz	N/A	> 10.6 dB	5.4 dB
3,6	DH	OK	15.3 dB @ 223.00MHz	N/A	> 10.5 dB	4.8 dB
5,4	DH	OK	17.4 dB @ 231.50MHz	N/A	> 10.3 dB	7.1 dB
1,2	DH	OK	18.0 dB @ 220.00MHz	N/A	> 10.6 dB	7.4 dB
7,8	RH	OK	15.2 dB @ 220.50MHz	N/A	> 10.6 dB	4.6 dB
3,6	RH	OK	16.0 dB @ 223.50MHz	N/A	> 10.5 dB	5.5 dB
5,4	RH	OK	16.9 dB @ 214.50MHz	N/A	> 10.7 dB	6.2 dB
1,2	RH	OK	17.8 dB @ 225.50MHz	N/A	> 10.5 dB	7.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	14.2 dB @ 242.00MHz	N/A	< 30.6 dB	16.4 dB
3,6	OK	13.1 dB @ 249.50MHz	N/A	< 31.1 dB	18.0 dB
5,4	OK	13.0 dB @ 249.00MHz	N/A	< 31.1 dB	18.1 dB
1,2	OK	12.4 dB @ 245.50MHz	N/A	< 30.8 dB	18.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.6 dB @ 242.00MHz	N/A	>= 4.9 dB	23.7 dB
3,6	DH	OK	29.1 dB @ 235.50MHz	N/A	>= 5.6 dB	23.5 dB
5,4	DH	OK	35.6 dB @ 250.00MHz	N/A	>= 4.1 dB	31.5 dB
1,2	DH	OK	30.5 dB @ 241.50MHz	N/A	>= 5.1 dB	25.4 dB
7,8	RH	OK	32.5 dB @ 250.00MHz	N/A	>= 4.1 dB	28.4 dB
3,6	RH	OK	32.1 dB @ 250.00MHz	N/A	>= 4.1 dB	28.0 dB
5,4	RH	OK	34.8 dB @ 244.00MHz	N/A	>= 4.8 dB	30.0 dB
1,2	RH	OK	35.6 dB @ 241.50MHz	N/A	>= 5.1 dB	30.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0137  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:43:57  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.4 dB @ 215.00MHz	N/A	> 17.5 dB	16.9 dB
7,8-5,4	DH	OK	38.5 dB @ 249.00MHz	N/A	> 16.2 dB	22.3 dB
7,8-1,2	DH	OK	41.2 dB @ 208.00MHz	N/A	> 17.8 dB	23.4 dB
3,6-7,8	DH	OK	34.8 dB @ 242.00MHz	N/A	> 16.5 dB	18.3 dB
3,6-5,4	DH	OK	30.4 dB @ 249.00MHz	N/A	> 16.2 dB	14.2 dB
3,6-1,2	DH	OK	41.0 dB @ 192.00MHz	N/A	> 18.5 dB	22.5 dB
5,4-7,8	DH	OK	37.5 dB @ 242.00MHz	N/A	> 16.5 dB	21.0 dB
5,4-3,6	DH	OK	30.3 dB @ 249.50MHz	N/A	> 16.2 dB	14.1 dB
5,4-1,2	DH	OK	40.1 dB @ 227.00MHz	N/A	> 17.0 dB	23.1 dB
1,2-7,8	DH	OK	41.3 dB @ 242.00MHz	N/A	> 16.5 dB	24.8 dB
1,2-3,6	DH	OK	41.7 dB @ 182.00MHz	N/A	> 19.0 dB	22.7 dB
1,2-5,4	DH	OK	38.4 dB @ 236.00MHz	N/A	> 16.7 dB	21.7 dB
7,8-3,6	RH	OK	34.7 dB @ 216.00MHz	N/A	> 17.5 dB	17.2 dB
7,8-5,4	RH	OK	37.9 dB @ 242.00MHz	N/A	> 16.5 dB	21.4 dB
7,8-1,2	RH	OK	40.6 dB @ 242.00MHz	N/A	> 16.5 dB	24.1 dB
3,6-7,8	RH	OK	34.6 dB @ 234.00MHz	N/A	> 16.8 dB	17.8 dB
3,6-5,4	RH	OK	30.3 dB @ 249.50MHz	N/A	> 16.2 dB	14.1 dB
3,6-1,2	RH	OK	40.3 dB @ 191.50MHz	N/A	> 18.5 dB	21.8 dB
5,4-7,8	RH	OK	38.3 dB @ 249.00MHz	N/A	> 16.2 dB	22.1 dB
5,4-3,6	RH	OK	30.4 dB @ 249.00MHz	N/A	> 16.2 dB	14.2 dB
5,4-1,2	RH	OK	39.4 dB @ 227.00MHz	N/A	> 17.0 dB	22.4 dB
1,2-7,8	RH	OK	41.6 dB @ 196.00MHz	N/A	> 18.3 dB	23.3 dB
1,2-3,6	RH	OK	42.2 dB @ 179.50MHz	N/A	> 19.1 dB	23.1 dB
1,2-5,4	RH	OK	38.8 dB @ 237.00MHz	N/A	> 16.7 dB	22.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.5 dB @ 230.50MHz	N/A	> 32.9 dB	8.6 dB
3,6	DH	OK	39.4 dB @ 243.50MHz	N/A	> 32.5 dB	6.9 dB
5,4	DH	OK	47.9 dB @ 240.50MHz	N/A	> 32.6 dB	15.3 dB
1,2	DH	OK	41.6 dB @ 243.50MHz	N/A	> 32.5 dB	9.1 dB
7,8	RH	OK	42.1 dB @ 250.00MHz	N/A	> 32.3 dB	9.8 dB
3,6	RH	OK	43.8 dB @ 250.00MHz	N/A	> 32.3 dB	11.5 dB
5,4	RH	OK	44.4 dB @ 182.00MHz	N/A	> 34.6 dB	9.8 dB
1,2	RH	OK	45.4 dB @ 243.50MHz	N/A	> 32.5 dB	12.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.3 dB @ 242.00MHz	N/A	>= 1.9 dB	26.4 dB
3,6	DH	OK	26.3 dB @ 243.50MHz	N/A	>= 1.8 dB	24.5 dB
5,4	DH	OK	35.2 dB @ 249.00MHz	N/A	>= 1.2 dB	34.0 dB
1,2	DH	OK	29.6 dB @ 243.50MHz	N/A	>= 1.8 dB	27.8 dB
7,8	RH	OK	30.0 dB @ 250.00MHz	N/A	>= 1.1 dB	28.9 dB
3,6	RH	OK	31.3 dB @ 250.00MHz	N/A	>= 1.1 dB	30.2 dB
5,4	RH	OK	32.3 dB @ 233.00MHz	N/A	>= 2.9 dB	29.4 dB
1,2	RH	OK	33.1 dB @ 237.00MHz	N/A	>= 2.5 dB	30.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.3 dB @ 242.00MHz	N/A	>= 13.5 dB	18.8 dB
3,6	DH	OK	29.4 dB @ 249.50MHz	N/A	>= 13.2 dB	16.2 dB
5,4	DH	OK	29.4 dB @ 249.00MHz	N/A	>= 13.2 dB	16.2 dB
1,2	DH	OK	36.2 dB @ 217.00MHz	N/A	>= 14.4 dB	21.8 dB
7,8	RH	OK	32.9 dB @ 216.00MHz	N/A	>= 14.5 dB	18.4 dB
3,6	RH	OK	29.3 dB @ 249.50MHz	N/A	>= 13.2 dB	16.1 dB
5,4	RH	OK	29.4 dB @ 249.00MHz	N/A	>= 13.2 dB	16.2 dB
1,2	RH	OK	36.9 dB @ 237.00MHz	N/A	>= 13.7 dB	23.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

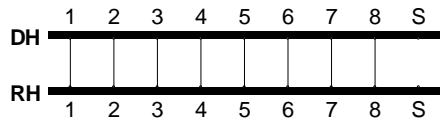
**OK**

ID cavo 1: 0138  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:45:50  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.4m	40.6m	41.4m	39.5m	< 90.0m	OK
Ritardo di propag.	197.7ns	202.9ns	207.0ns	197.9ns	< 510.0ns	OK
Diff. t. ritardo	9.3ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.5 Ohm	100.3 Ohm	98.8 Ohm	102.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.1 Ohm	8.7 Ohm	9.4 Ohm	8.4 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.0pF/m	47.8pF/m	46.2pF/m	< 66.0pF/m	OK
Riserva	8.2 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.0 dB @ 246.50MHz	N/A	> 35.4 dB	5.6 dB
7,8-5,4	DH	OK	52.4 dB @ 236.50MHz	N/A	> 35.7 dB	16.7 dB
7,8-1,2	DH	OK	58.1 dB @ 210.00MHz	N/A	> 36.6 dB	21.5 dB
3,6-5,4	DH	OK	53.5 dB @ 182.00MHz	N/A	> 37.6 dB	15.9 dB
3,6-1,2	DH	OK	46.7 dB @ 246.00MHz	N/A	> 35.4 dB	11.3 dB
5,4-1,2	DH	OK	48.5 dB @ 246.50MHz	N/A	> 35.4 dB	13.1 dB
7,8-3,6	RH	OK	48.3 dB @ 232.50MHz	N/A	> 35.8 dB	12.5 dB
7,8-5,4	RH	OK	46.2 dB @ 235.00MHz	N/A	> 35.8 dB	10.4 dB
7,8-1,2	RH	OK	49.9 dB @ 249.50MHz	N/A	> 35.3 dB	14.6 dB
3,6-5,4	RH	OK	50.1 dB @ 240.50MHz	N/A	> 35.6 dB	14.5 dB
3,6-1,2	RH	OK	46.2 dB @ 227.50MHz	N/A	> 36.0 dB	10.2 dB
5,4-1,2	RH	OK	49.4 dB @ 209.50MHz	N/A	> 36.6 dB	12.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 225.50MHz	N/A	> 10.5 dB	5.5 dB
3,6	DH	OK	15.3 dB @ 223.00MHz	N/A	> 10.5 dB	4.8 dB
5,4	DH	OK	16.7 dB @ 228.50MHz	N/A	> 10.4 dB	6.3 dB
1,2	DH	OK	18.5 dB @ 214.00MHz	N/A	> 10.7 dB	7.8 dB
7,8	RH	OK	16.1 dB @ 163.00MHz	N/A	> 11.9 dB	4.2 dB
3,6	RH	OK	16.4 dB @ 222.50MHz	N/A	> 10.5 dB	5.9 dB
5,4	RH	OK	17.7 dB @ 236.00MHz	N/A	> 10.3 dB	7.4 dB
1,2	RH	OK	17.0 dB @ 229.50MHz	N/A	> 10.4 dB	6.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.5 dB @ 249.50MHz	N/A	< 31.1 dB	18.6 dB
3,6	OK	13.4 dB @ 242.00MHz	N/A	< 30.6 dB	17.2 dB
5,4	OK	13.3 dB @ 236.00MHz	N/A	< 30.1 dB	16.8 dB
1,2	OK	12.3 dB @ 245.00MHz	N/A	< 30.8 dB	18.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.8 dB @ 246.00MHz	N/A	>= 4.5 dB	24.3 dB
3,6	DH	OK	28.2 dB @ 246.00MHz	N/A	>= 4.5 dB	23.7 dB
5,4	DH	OK	36.0 dB @ 246.50MHz	N/A	>= 4.5 dB	31.5 dB
1,2	DH	OK	35.2 dB @ 245.00MHz	N/A	>= 4.7 dB	30.5 dB
7,8	RH	OK	34.5 dB @ 234.00MHz	N/A	>= 5.8 dB	28.7 dB
3,6	RH	OK	33.5 dB @ 241.00MHz	N/A	>= 5.1 dB	28.4 dB
5,4	RH	OK	33.1 dB @ 236.00MHz	N/A	>= 5.6 dB	27.5 dB
1,2	RH	OK	34.5 dB @ 241.00MHz	N/A	>= 5.1 dB	29.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0138  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:45:50  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.3 dB @ 215.00MHz	N/A	> 17.5 dB	14.8 dB
7,8-5,4	DH	OK	42.3 dB @ 249.50MHz	N/A	> 16.2 dB	26.1 dB
7,8-1,2	DH	OK	39.8 dB @ 210.50MHz	N/A	> 17.7 dB	22.1 dB
3,6-7,8	DH	OK	32.1 dB @ 228.50MHz	N/A	> 17.0 dB	15.1 dB
3,6-5,4	DH	OK	31.6 dB @ 249.50MHz	N/A	> 16.2 dB	15.4 dB
3,6-1,2	DH	OK	40.9 dB @ 186.00MHz	N/A	> 18.8 dB	22.1 dB
5,4-7,8	DH	OK	41.5 dB @ 249.50MHz	N/A	> 16.2 dB	25.3 dB
5,4-3,6	DH	OK	32.2 dB @ 247.00MHz	N/A	> 16.3 dB	15.9 dB
5,4-1,2	DH	OK	37.8 dB @ 210.50MHz	N/A	> 17.7 dB	20.1 dB
1,2-7,8	DH	OK	40.2 dB @ 249.50MHz	N/A	> 16.2 dB	24.0 dB
1,2-3,6	DH	OK	41.0 dB @ 169.00MHz	N/A	> 19.6 dB	21.4 dB
1,2-5,4	DH	OK	37.3 dB @ 217.00MHz	N/A	> 17.4 dB	19.9 dB
7,8-3,6	RH	OK	32.7 dB @ 215.50MHz	N/A	> 17.5 dB	15.2 dB
7,8-5,4	RH	OK	42.6 dB @ 249.50MHz	N/A	> 16.2 dB	26.4 dB
7,8-1,2	RH	OK	39.4 dB @ 222.00MHz	N/A	> 17.2 dB	22.2 dB
3,6-7,8	RH	OK	31.3 dB @ 229.50MHz	N/A	> 16.9 dB	14.4 dB
3,6-5,4	RH	OK	32.0 dB @ 247.00MHz	N/A	> 16.3 dB	15.7 dB
3,6-1,2	RH	OK	40.3 dB @ 186.00MHz	N/A	> 18.8 dB	21.5 dB
5,4-7,8	RH	OK	41.2 dB @ 250.00MHz	N/A	> 16.2 dB	25.0 dB
5,4-3,6	RH	OK	32.0 dB @ 249.50MHz	N/A	> 16.2 dB	15.8 dB
5,4-1,2	RH	OK	36.9 dB @ 219.00MHz	N/A	> 17.4 dB	19.5 dB
1,2-7,8	RH	OK	40.5 dB @ 245.00MHz	N/A	> 16.4 dB	24.1 dB
1,2-3,6	RH	OK	41.7 dB @ 169.00MHz	N/A	> 19.6 dB	22.1 dB
1,2-5,4	RH	OK	37.5 dB @ 210.50MHz	N/A	> 17.7 dB	19.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.9 dB @ 246.50MHz	N/A	> 32.4 dB	8.5 dB
3,6	DH	OK	39.9 dB @ 246.50MHz	N/A	> 32.4 dB	7.5 dB
5,4	DH	OK	47.7 dB @ 246.50MHz	N/A	> 32.4 dB	15.3 dB
1,2	DH	OK	44.5 dB @ 246.00MHz	N/A	> 32.4 dB	12.1 dB
7,8	RH	OK	43.6 dB @ 235.00MHz	N/A	> 32.8 dB	10.8 dB
3,6	RH	OK	43.3 dB @ 232.50MHz	N/A	> 32.8 dB	10.5 dB
5,4	RH	OK	44.5 dB @ 235.00MHz	N/A	> 32.8 dB	11.7 dB
1,2	RH	OK	44.9 dB @ 208.50MHz	N/A	> 33.6 dB	11.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.7 dB @ 246.00MHz	N/A	>= 1.5 dB	27.2 dB
3,6	DH	OK	27.0 dB @ 246.00MHz	N/A	>= 1.5 dB	25.5 dB
5,4	DH	OK	35.1 dB @ 246.00MHz	N/A	>= 1.5 dB	33.6 dB
1,2	DH	OK	32.9 dB @ 245.00MHz	N/A	>= 1.7 dB	31.2 dB
7,8	RH	OK	32.0 dB @ 234.00MHz	N/A	>= 2.8 dB	29.2 dB
3,6	RH	OK	30.6 dB @ 241.00MHz	N/A	>= 2.1 dB	28.5 dB
5,4	RH	OK	31.7 dB @ 236.00MHz	N/A	>= 2.6 dB	29.1 dB
1,2	RH	OK	33.0 dB @ 241.00MHz	N/A	>= 2.1 dB	30.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.5 dB @ 228.50MHz	N/A	>= 14.0 dB	17.5 dB
3,6	DH	OK	29.7 dB @ 248.50MHz	N/A	>= 13.3 dB	16.4 dB
5,4	DH	OK	31.0 dB @ 249.50MHz	N/A	>= 13.2 dB	17.8 dB
1,2	DH	OK	34.9 dB @ 210.50MHz	N/A	>= 14.7 dB	20.2 dB
7,8	RH	OK	31.8 dB @ 215.50MHz	N/A	>= 14.5 dB	17.3 dB
3,6	RH	OK	28.7 dB @ 242.00MHz	N/A	>= 13.5 dB	15.2 dB
5,4	RH	OK	31.4 dB @ 249.50MHz	N/A	>= 13.2 dB	18.2 dB
1,2	RH	OK	35.9 dB @ 210.50MHz	N/A	>= 14.7 dB	21.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0139  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:47:25  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.3m	40.4m	41.2m	39.3m	< 90.0m	OK
Ritardo di propag.	197.0ns	202.0ns	206.0ns	197.1ns	< 510.0ns	OK
Diff. t. ritardo	9.0ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.2 Ohm	100.2 Ohm	98.7 Ohm	101.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.9 Ohm	9.6 Ohm	10.3 Ohm	9.4 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.1pF/m	47.8pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	8.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.6 dB @ 247.50MHz	N/A	> 35.4 dB	6.2 dB
7,8-5,4	DH	OK	46.6 dB @ 239.50MHz	N/A	> 35.6 dB	11.0 dB
7,8-1,2	DH	OK	56.5 dB @ 216.50MHz	N/A	> 36.3 dB	20.2 dB
3,6-5,4	DH	OK	52.8 dB @ 224.00MHz	N/A	> 36.1 dB	16.7 dB
3,6-1,2	DH	OK	44.8 dB @ 248.00MHz	N/A	> 35.4 dB	9.4 dB
5,4-1,2	DH	OK	49.7 dB @ 249.50MHz	N/A	> 35.3 dB	14.4 dB
7,8-3,6	RH	OK	45.6 dB @ 223.00MHz	N/A	> 36.1 dB	9.5 dB
7,8-5,4	RH	OK	44.9 dB @ 239.50MHz	N/A	> 35.6 dB	9.3 dB
7,8-1,2	RH	OK	52.0 dB @ 187.50MHz	N/A	> 37.4 dB	14.6 dB
3,6-5,4	RH	OK	51.1 dB @ 223.50MHz	N/A	> 36.1 dB	15.0 dB
3,6-1,2	RH	OK	46.2 dB @ 221.00MHz	N/A	> 36.2 dB	10.0 dB
5,4-1,2	RH	OK	47.8 dB @ 250.00MHz	N/A	> 35.3 dB	12.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.0 dB @ 218.00MHz	N/A	> 10.6 dB	4.4 dB
3,6	DH	OK	15.4 dB @ 226.50MHz	N/A	> 10.4 dB	5.0 dB
5,4	DH	OK	17.2 dB @ 232.00MHz	N/A	> 10.3 dB	6.9 dB
1,2	DH	OK	16.8 dB @ 155.00MHz	N/A	> 12.1 dB	4.7 dB
7,8	RH	OK	16.4 dB @ 231.50MHz	N/A	> 10.3 dB	6.1 dB
3,6	RH	OK	16.0 dB @ 227.00MHz	N/A	> 10.4 dB	5.6 dB
5,4	RH	OK	18.8 dB @ 222.50MHz	N/A	> 10.5 dB	8.3 dB
1,2	RH	OK	17.0 dB @ 108.50MHz	N/A	> 13.6 dB	3.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.8 dB @ 236.50MHz	N/A	< 30.2 dB	17.4 dB
3,6	OK	13.0 dB @ 249.00MHz	N/A	< 31.1 dB	18.1 dB
5,4	OK	13.6 dB @ 227.00MHz	N/A	< 29.5 dB	15.9 dB
1,2	OK	12.0 dB @ 238.00MHz	N/A	< 30.3 dB	18.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	29.1 dB @ 236.50MHz	N/A	>= 5.5 dB	23.6 dB
3,6	DH	OK	29.2 dB @ 239.00MHz	N/A	>= 5.3 dB	23.9 dB
5,4	DH	OK	34.4 dB @ 239.50MHz	N/A	>= 5.2 dB	29.2 dB
1,2	DH	OK	33.2 dB @ 248.00MHz	N/A	>= 4.4 dB	28.8 dB
7,8	RH	OK	33.0 dB @ 236.50MHz	N/A	>= 5.5 dB	27.5 dB
3,6	RH	OK	33.5 dB @ 223.00MHz	N/A	>= 6.9 dB	26.6 dB
5,4	RH	OK	32.6 dB @ 249.50MHz	N/A	>= 4.2 dB	28.4 dB
1,2	RH	OK	34.9 dB @ 220.50MHz	N/A	>= 7.2 dB	27.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0139  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:47:25  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.9 dB @ 230.50MHz	N/A	> 16.9 dB	15.0 dB
7,8-5,4	DH	OK	38.8 dB @ 227.00MHz	N/A	> 17.0 dB	21.8 dB
7,8-1,2	DH	OK	45.0 dB @ 249.50MHz	N/A	> 16.2 dB	28.8 dB
3,6-7,8	DH	OK	30.7 dB @ 236.50MHz	N/A	> 16.7 dB	14.0 dB
3,6-5,4	DH	OK	30.1 dB @ 248.50MHz	N/A	> 16.3 dB	13.8 dB
3,6-1,2	DH	OK	41.2 dB @ 175.00MHz	N/A	> 19.3 dB	21.9 dB
5,4-7,8	DH	OK	38.0 dB @ 236.50MHz	N/A	> 16.7 dB	21.3 dB
5,4-3,6	DH	OK	30.4 dB @ 249.00MHz	N/A	> 16.2 dB	14.2 dB
5,4-1,2	DH	OK	39.5 dB @ 220.50MHz	N/A	> 17.3 dB	22.2 dB
1,2-7,8	DH	OK	43.1 dB @ 249.50MHz	N/A	> 16.2 dB	26.9 dB
1,2-3,6	DH	OK	40.5 dB @ 180.50MHz	N/A	> 19.0 dB	21.5 dB
1,2-5,4	DH	OK	37.5 dB @ 227.00MHz	N/A	> 17.0 dB	20.5 dB
7,8-3,6	RH	OK	31.9 dB @ 223.50MHz	N/A	> 17.2 dB	14.7 dB
7,8-5,4	RH	OK	39.5 dB @ 236.50MHz	N/A	> 16.7 dB	22.8 dB
7,8-1,2	RH	OK	44.3 dB @ 248.50MHz	N/A	> 16.3 dB	28.0 dB
3,6-7,8	RH	OK	30.8 dB @ 233.50MHz	N/A	> 16.8 dB	14.0 dB
3,6-5,4	RH	OK	30.1 dB @ 249.00MHz	N/A	> 16.2 dB	13.9 dB
3,6-1,2	RH	OK	40.7 dB @ 183.00MHz	N/A	> 18.9 dB	21.8 dB
5,4-7,8	RH	OK	38.0 dB @ 236.00MHz	N/A	> 16.7 dB	21.3 dB
5,4-3,6	RH	OK	30.1 dB @ 248.50MHz	N/A	> 16.3 dB	13.8 dB
5,4-1,2	RH	OK	37.8 dB @ 227.00MHz	N/A	> 17.0 dB	20.8 dB
1,2-7,8	RH	OK	43.7 dB @ 249.50MHz	N/A	> 16.2 dB	27.5 dB
1,2-3,6	RH	OK	41.0 dB @ 178.00MHz	N/A	> 19.2 dB	21.8 dB
1,2-5,4	RH	OK	39.5 dB @ 229.00MHz	N/A	> 17.0 dB	22.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.7 dB @ 250.00MHz	N/A	> 32.3 dB	8.4 dB
3,6	DH	OK	40.0 dB @ 247.50MHz	N/A	> 32.4 dB	7.6 dB
5,4	DH	OK	45.5 dB @ 250.00MHz	N/A	> 32.3 dB	13.2 dB
1,2	DH	OK	44.0 dB @ 248.00MHz	N/A	> 32.4 dB	11.6 dB
7,8	RH	OK	43.0 dB @ 239.50MHz	N/A	> 32.6 dB	10.4 dB
3,6	RH	OK	42.8 dB @ 223.00MHz	N/A	> 33.1 dB	9.7 dB
5,4	RH	OK	43.0 dB @ 249.50MHz	N/A	> 32.3 dB	10.7 dB
1,2	RH	OK	43.9 dB @ 250.00MHz	N/A	> 32.3 dB	11.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.0 dB @ 236.50MHz	N/A	>= 2.5 dB	25.5 dB
3,6	DH	OK	27.5 dB @ 249.00MHz	N/A	>= 1.2 dB	26.3 dB
5,4	DH	OK	32.9 dB @ 249.50MHz	N/A	>= 1.2 dB	31.7 dB
1,2	DH	OK	32.4 dB @ 248.00MHz	N/A	>= 1.4 dB	31.0 dB
7,8	RH	OK	30.6 dB @ 236.50MHz	N/A	>= 2.5 dB	28.1 dB
3,6	RH	OK	30.7 dB @ 223.00MHz	N/A	>= 3.9 dB	26.8 dB
5,4	RH	OK	30.1 dB @ 249.50MHz	N/A	>= 1.2 dB	28.9 dB
1,2	RH	OK	32.1 dB @ 249.50MHz	N/A	>= 1.2 dB	30.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.7 dB @ 236.50MHz	N/A	>= 13.7 dB	16.0 dB
3,6	DH	OK	28.1 dB @ 250.00MHz	N/A	>= 13.2 dB	14.9 dB
5,4	DH	OK	29.6 dB @ 248.50MHz	N/A	>= 13.3 dB	16.3 dB
1,2	DH	OK	38.2 dB @ 220.50MHz	N/A	>= 14.3 dB	23.9 dB
7,8	RH	OK	31.1 dB @ 223.50MHz	N/A	>= 14.2 dB	16.9 dB
3,6	RH	OK	27.6 dB @ 249.00MHz	N/A	>= 13.2 dB	14.4 dB
5,4	RH	OK	29.5 dB @ 248.50MHz	N/A	>= 13.3 dB	16.2 dB
1,2	RH	OK	38.2 dB @ 229.00MHz	N/A	>= 14.0 dB	24.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

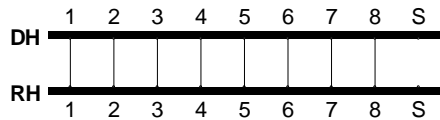
**OK**

ID cavo 1: 0140  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:48:35  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.3m	40.4m	41.3m	39.4m	< 90.0m	OK
Ritardo di propag.	197.3ns	202.2ns	206.3ns	197.4ns	< 510.0ns	OK
Diff. t. ritardo	9.0ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.8 Ohm	100.2 Ohm	98.4 Ohm	101.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.7 Ohm	9.0 Ohm	9.8 Ohm	8.7 Ohm	< 20.0 Ohm	OK
Capacità	47.4pF/m	47.2pF/m	48.0pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	8.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.6 dB @ 238.50MHz	N/A	> 35.7 dB	6.9 dB
7,8-5,4	DH	OK	51.9 dB @ 226.50MHz	N/A	> 36.0 dB	15.9 dB
7,8-1,2	DH	OK	56.9 dB @ 199.50MHz	N/A	> 36.9 dB	20.0 dB
3,6-5,4	DH	OK	54.1 dB @ 226.00MHz	N/A	> 36.0 dB	18.1 dB
3,6-1,2	DH	OK	45.1 dB @ 245.00MHz	N/A	> 35.5 dB	9.6 dB
5,4-1,2	DH	OK	46.5 dB @ 249.50MHz	N/A	> 35.3 dB	11.2 dB
7,8-3,6	RH	OK	48.8 dB @ 225.50MHz	N/A	> 36.0 dB	12.8 dB
7,8-5,4	RH	OK	50.5 dB @ 234.00MHz	N/A	> 35.8 dB	14.7 dB
7,8-1,2	RH	OK	51.2 dB @ 196.00MHz	N/A	> 37.0 dB	14.2 dB
3,6-5,4	RH	OK	52.0 dB @ 225.50MHz	N/A	> 36.0 dB	16.0 dB
3,6-1,2	RH	OK	45.6 dB @ 247.00MHz	N/A	> 35.4 dB	10.2 dB
5,4-1,2	RH	OK	47.8 dB @ 205.00MHz	N/A	> 36.7 dB	11.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.6 dB @ 226.00MHz	N/A	> 10.4 dB	5.2 dB
3,6	DH	OK	16.4 dB @ 226.50MHz	N/A	> 10.4 dB	6.0 dB
5,4	DH	OK	17.7 dB @ 227.50MHz	N/A	> 10.4 dB	7.3 dB
1,2	DH	OK	17.4 dB @ 222.50MHz	N/A	> 10.5 dB	6.9 dB
7,8	RH	OK	16.2 dB @ 220.50MHz	N/A	> 10.6 dB	5.6 dB
3,6	RH	OK	16.1 dB @ 226.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	RH	OK	18.1 dB @ 227.00MHz	N/A	> 10.4 dB	7.7 dB
1,2	RH	OK	15.9 dB @ 228.50MHz	N/A	> 10.4 dB	5.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.0 dB @ 244.50MHz	N/A	< 30.7 dB	17.7 dB
3,6	OK	14.1 dB @ 232.50MHz	N/A	< 29.9 dB	15.8 dB
5,4	OK	13.8 dB @ 237.00MHz	N/A	< 30.2 dB	16.4 dB
1,2	OK	12.4 dB @ 245.50MHz	N/A	< 30.8 dB	18.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	29.7 dB @ 244.50MHz	N/A	>= 4.8 dB	24.9 dB
3,6	DH	OK	29.2 dB @ 232.50MHz	N/A	>= 5.9 dB	23.3 dB
5,4	DH	OK	34.0 dB @ 249.50MHz	N/A	>= 4.2 dB	29.8 dB
1,2	DH	OK	32.9 dB @ 245.50MHz	N/A	>= 4.6 dB	28.3 dB
7,8	RH	OK	36.8 dB @ 225.00MHz	N/A	>= 6.8 dB	30.0 dB
3,6	RH	OK	33.2 dB @ 247.00MHz	N/A	>= 4.5 dB	28.7 dB
5,4	RH	OK	36.4 dB @ 250.00MHz	N/A	>= 4.1 dB	32.3 dB
1,2	RH	OK	33.9 dB @ 245.50MHz	N/A	>= 4.6 dB	29.3 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0140  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:48:35  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.7 dB @ 232.50MHz	N/A	> 16.8 dB	16.9 dB
7,8-5,4	DH	OK	44.1 dB @ 237.00MHz	N/A	> 16.7 dB	27.4 dB
7,8-1,2	DH	OK	47.3 dB @ 209.00MHz	N/A	> 17.8 dB	29.5 dB
3,6-7,8	DH	OK	33.9 dB @ 238.50MHz	N/A	> 16.6 dB	17.3 dB
3,6-5,4	DH	OK	34.6 dB @ 247.00MHz	N/A	> 16.3 dB	18.3 dB
3,6-1,2	DH	OK	38.3 dB @ 180.00MHz	N/A	> 19.1 dB	19.2 dB
5,4-7,8	DH	OK	43.8 dB @ 244.50MHz	N/A	> 16.4 dB	27.4 dB
5,4-3,6	DH	OK	34.1 dB @ 250.00MHz	N/A	> 16.2 dB	17.9 dB
5,4-1,2	DH	OK	38.0 dB @ 223.50MHz	N/A	> 17.2 dB	20.8 dB
1,2-7,8	DH	OK	46.7 dB @ 167.00MHz	N/A	> 19.7 dB	27.0 dB
1,2-3,6	DH	OK	38.4 dB @ 177.50MHz	N/A	> 19.2 dB	19.2 dB
1,2-5,4	DH	OK	37.1 dB @ 219.00MHz	N/A	> 17.4 dB	19.7 dB
7,8-3,6	RH	OK	34.6 dB @ 225.00MHz	N/A	> 17.1 dB	17.5 dB
7,8-5,4	RH	OK	45.3 dB @ 250.00MHz	N/A	> 16.2 dB	29.1 dB
7,8-1,2	RH	OK	46.9 dB @ 209.00MHz	N/A	> 17.8 dB	29.1 dB
3,6-7,8	RH	OK	32.2 dB @ 232.50MHz	N/A	> 16.8 dB	15.4 dB
3,6-5,4	RH	OK	34.6 dB @ 249.50MHz	N/A	> 16.2 dB	18.4 dB
3,6-1,2	RH	OK	37.2 dB @ 232.50MHz	N/A	> 16.8 dB	20.4 dB
5,4-7,8	RH	OK	43.3 dB @ 237.00MHz	N/A	> 16.7 dB	26.6 dB
5,4-3,6	RH	OK	33.8 dB @ 248.50MHz	N/A	> 16.3 dB	17.5 dB
5,4-1,2	RH	OK	37.6 dB @ 210.50MHz	N/A	> 17.7 dB	19.9 dB
1,2-7,8	RH	OK	47.0 dB @ 176.00MHz	N/A	> 19.2 dB	27.8 dB
1,2-3,6	RH	OK	38.9 dB @ 177.50MHz	N/A	> 19.2 dB	19.7 dB
1,2-5,4	RH	OK	37.3 dB @ 216.00MHz	N/A	> 17.5 dB	19.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.3 dB @ 238.50MHz	N/A	> 32.7 dB	9.6 dB
3,6	DH	OK	40.8 dB @ 244.50MHz	N/A	> 32.5 dB	8.3 dB
5,4	DH	OK	46.1 dB @ 249.50MHz	N/A	> 32.3 dB	13.8 dB
1,2	DH	OK	43.7 dB @ 245.00MHz	N/A	> 32.5 dB	11.2 dB
7,8	RH	OK	45.9 dB @ 225.00MHz	N/A	> 33.1 dB	12.8 dB
3,6	RH	OK	44.0 dB @ 226.00MHz	N/A	> 33.0 dB	11.0 dB
5,4	RH	OK	46.6 dB @ 250.00MHz	N/A	> 32.3 dB	14.3 dB
1,2	RH	OK	43.4 dB @ 247.00MHz	N/A	> 32.4 dB	11.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.5 dB @ 238.50MHz	N/A	>= 2.4 dB	27.1 dB
3,6	DH	OK	27.9 dB @ 244.50MHz	N/A	>= 1.8 dB	26.1 dB
5,4	DH	OK	33.6 dB @ 249.50MHz	N/A	>= 1.2 dB	32.4 dB
1,2	DH	OK	31.4 dB @ 245.50MHz	N/A	>= 1.6 dB	29.8 dB
7,8	RH	OK	33.8 dB @ 225.00MHz	N/A	>= 3.8 dB	30.0 dB
3,6	RH	OK	31.8 dB @ 247.00MHz	N/A	>= 1.5 dB	30.3 dB
5,4	RH	OK	34.1 dB @ 246.50MHz	N/A	>= 1.5 dB	32.6 dB
1,2	RH	OK	31.5 dB @ 250.00MHz	N/A	>= 1.1 dB	30.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.4 dB @ 238.50MHz	N/A	>= 13.6 dB	19.8 dB
3,6	DH	OK	30.5 dB @ 232.50MHz	N/A	>= 13.8 dB	16.7 dB
5,4	DH	OK	32.8 dB @ 237.00MHz	N/A	>= 13.7 dB	19.1 dB
1,2	DH	OK	35.4 dB @ 237.50MHz	N/A	>= 14.2 dB	21.2 dB
7,8	RH	OK	34.1 dB @ 225.00MHz	N/A	>= 14.1 dB	20.0 dB
3,6	RH	OK	29.5 dB @ 232.50MHz	N/A	>= 13.8 dB	15.7 dB
5,4	RH	OK	32.4 dB @ 237.00MHz	N/A	>= 13.7 dB	18.7 dB
1,2	RH	OK	35.8 dB @ 216.00MHz	N/A	>= 14.5 dB	21.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

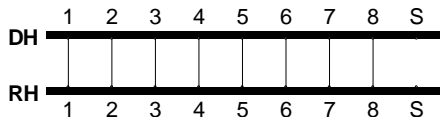
**OK**

ID cavo 1: 0141  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:49:52  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.5m	40.6m	41.5m	39.6m	< 90.0m	OK
Ritardo di propag.	198.1ns	203.2ns	207.4ns	198.3ns	< 510.0ns	OK
Diff. t. ritardo	9.3ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.9 Ohm	100.0 Ohm	98.7 Ohm	102.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.5 Ohm	9.1 Ohm	10.0 Ohm	8.8 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.3pF/m	47.9pF/m	46.1pF/m	< 66.0pF/m	OK
Riserva	9.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.8 dB @ 237.00MHz	N/A	> 35.7 dB	6.1 dB
7,8-5,4	DH	OK	51.4 dB @ 233.00MHz	N/A	> 35.8 dB	15.6 dB
7,8-1,2	DH	OK	53.5 dB @ 212.50MHz	N/A	> 36.5 dB	17.0 dB
3,6-5,4	DH	OK	51.5 dB @ 230.00MHz	N/A	> 35.9 dB	15.6 dB
3,6-1,2	DH	OK	48.7 dB @ 243.00MHz	N/A	> 35.5 dB	13.2 dB
5,4-1,2	DH	OK	48.8 dB @ 245.50MHz	N/A	> 35.4 dB	13.4 dB
7,8-3,6	RH	OK	46.0 dB @ 224.00MHz	N/A	> 36.1 dB	9.9 dB
7,8-5,4	RH	OK	44.8 dB @ 217.00MHz	N/A	> 36.3 dB	8.5 dB
7,8-1,2	RH	OK	50.8 dB @ 229.00MHz	N/A	> 35.9 dB	14.9 dB
3,6-5,4	RH	OK	51.5 dB @ 235.00MHz	N/A	> 35.8 dB	15.7 dB
3,6-1,2	RH	OK	45.3 dB @ 234.50MHz	N/A	> 35.8 dB	9.5 dB
5,4-1,2	RH	OK	49.2 dB @ 245.50MHz	N/A	> 35.4 dB	13.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.3 dB @ 230.00MHz	N/A	> 10.4 dB	5.9 dB
3,6	DH	OK	15.9 dB @ 225.50MHz	N/A	> 10.5 dB	5.4 dB
5,4	DH	OK	16.2 dB @ 233.00MHz	N/A	> 10.3 dB	5.9 dB
1,2	DH	OK	17.2 dB @ 232.00MHz	N/A	> 10.3 dB	6.9 dB
7,8	RH	OK	16.4 dB @ 219.50MHz	N/A	> 10.6 dB	5.8 dB
3,6	RH	OK	15.6 dB @ 225.00MHz	N/A	> 10.5 dB	5.1 dB
5,4	RH	OK	18.4 dB @ 231.00MHz	N/A	> 10.4 dB	8.0 dB
1,2	RH	OK	16.9 dB @ 232.00MHz	N/A	> 10.3 dB	6.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.7 dB @ 244.00MHz	N/A	< 30.7 dB	18.0 dB
3,6	OK	12.9 dB @ 241.50MHz	N/A	< 30.5 dB	17.6 dB
5,4	OK	13.1 dB @ 236.50MHz	N/A	< 30.2 dB	17.1 dB
1,2	OK	12.1 dB @ 249.50MHz	N/A	< 31.1 dB	19.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	29.6 dB @ 244.00MHz	N/A	>= 4.8 dB	24.8 dB
3,6	DH	OK	29.3 dB @ 243.00MHz	N/A	>= 4.9 dB	24.4 dB
5,4	DH	OK	36.4 dB @ 245.50MHz	N/A	>= 4.6 dB	31.8 dB
1,2	DH	OK	37.0 dB @ 240.00MHz	N/A	>= 5.2 dB	31.8 dB
7,8	RH	OK	33.1 dB @ 217.00MHz	N/A	>= 7.6 dB	25.5 dB
3,6	RH	OK	33.0 dB @ 234.50MHz	N/A	>= 5.8 dB	27.2 dB
5,4	RH	OK	32.9 dB @ 225.00MHz	N/A	>= 6.8 dB	26.1 dB
1,2	RH	OK	33.2 dB @ 234.50MHz	N/A	>= 5.8 dB	27.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0141  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:49:52  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.6 dB @ 220.00MHz	N/A	> 17.3 dB	14.3 dB
7,8-5,4	DH	OK	39.3 dB @ 250.00MHz	N/A	> 16.2 dB	23.1 dB
7,8-1,2	DH	OK	39.8 dB @ 234.50MHz	N/A	> 16.8 dB	23.0 dB
3,6-7,8	DH	OK	30.9 dB @ 231.00MHz	N/A	> 16.9 dB	14.0 dB
3,6-5,4	DH	OK	30.2 dB @ 250.00MHz	N/A	> 16.2 dB	14.0 dB
3,6-1,2	DH	OK	42.8 dB @ 234.50MHz	N/A	> 16.8 dB	26.0 dB
5,4-7,8	DH	OK	39.2 dB @ 249.50MHz	N/A	> 16.2 dB	23.0 dB
5,4-3,6	DH	OK	30.5 dB @ 247.00MHz	N/A	> 16.3 dB	14.2 dB
5,4-1,2	DH	OK	38.0 dB @ 225.50MHz	N/A	> 17.1 dB	20.9 dB
1,2-7,8	DH	OK	40.1 dB @ 241.50MHz	N/A	> 16.5 dB	23.6 dB
1,2-3,6	DH	OK	42.4 dB @ 179.50MHz	N/A	> 19.1 dB	23.3 dB
1,2-5,4	DH	OK	38.2 dB @ 218.50MHz	N/A	> 17.4 dB	20.8 dB
7,8-3,6	RH	OK	32.0 dB @ 223.50MHz	N/A	> 17.2 dB	14.8 dB
7,8-5,4	RH	OK	39.5 dB @ 249.00MHz	N/A	> 16.2 dB	23.3 dB
7,8-1,2	RH	OK	39.3 dB @ 227.50MHz	N/A	> 17.0 dB	22.3 dB
3,6-7,8	RH	OK	30.6 dB @ 235.50MHz	N/A	> 16.7 dB	13.9 dB
3,6-5,4	RH	OK	30.4 dB @ 250.00MHz	N/A	> 16.2 dB	14.2 dB
3,6-1,2	RH	OK	42.3 dB @ 191.50MHz	N/A	> 18.5 dB	23.8 dB
5,4-7,8	RH	OK	38.8 dB @ 247.00MHz	N/A	> 16.3 dB	22.5 dB
5,4-3,6	RH	OK	30.1 dB @ 247.00MHz	N/A	> 16.3 dB	13.8 dB
5,4-1,2	RH	OK	37.3 dB @ 225.00MHz	N/A	> 17.1 dB	20.2 dB
1,2-7,8	RH	OK	40.2 dB @ 234.50MHz	N/A	> 16.8 dB	23.4 dB
1,2-3,6	RH	OK	42.9 dB @ 179.50MHz	N/A	> 19.1 dB	23.8 dB
1,2-5,4	RH	OK	38.6 dB @ 217.50MHz	N/A	> 17.4 dB	21.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.5 dB @ 237.00MHz	N/A	> 32.7 dB	8.8 dB
3,6	DH	OK	40.9 dB @ 237.00MHz	N/A	> 32.7 dB	8.2 dB
5,4	DH	OK	47.8 dB @ 230.50MHz	N/A	> 32.9 dB	14.9 dB
1,2	DH	OK	45.5 dB @ 243.00MHz	N/A	> 32.5 dB	13.0 dB
7,8	RH	OK	42.5 dB @ 224.00MHz	N/A	> 33.1 dB	9.4 dB
3,6	RH	OK	42.5 dB @ 234.50MHz	N/A	> 32.8 dB	9.7 dB
5,4	RH	OK	43.2 dB @ 217.00MHz	N/A	> 33.3 dB	9.9 dB
1,2	RH	OK	44.2 dB @ 234.50MHz	N/A	> 32.8 dB	11.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.3 dB @ 244.00MHz	N/A	>= 1.8 dB	27.5 dB
3,6	DH	OK	28.4 dB @ 243.00MHz	N/A	>= 1.9 dB	26.5 dB
5,4	DH	OK	35.3 dB @ 230.50MHz	N/A	>= 3.2 dB	32.1 dB
1,2	DH	OK	34.0 dB @ 243.00MHz	N/A	>= 1.9 dB	32.1 dB
7,8	RH	OK	30.5 dB @ 223.50MHz	N/A	>= 3.9 dB	26.6 dB
3,6	RH	OK	30.2 dB @ 234.50MHz	N/A	>= 2.8 dB	27.4 dB
5,4	RH	OK	31.3 dB @ 242.50MHz	N/A	>= 1.9 dB	29.4 dB
1,2	RH	OK	32.1 dB @ 234.50MHz	N/A	>= 2.8 dB	29.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.1 dB @ 231.00MHz	N/A	>= 13.9 dB	16.2 dB
3,6	DH	OK	28.2 dB @ 250.00MHz	N/A	>= 13.2 dB	15.0 dB
5,4	DH	OK	29.6 dB @ 250.00MHz	N/A	>= 13.2 dB	16.4 dB
1,2	DH	OK	35.2 dB @ 225.50MHz	N/A	>= 14.1 dB	21.1 dB
7,8	RH	OK	30.8 dB @ 249.00MHz	N/A	>= 13.2 dB	17.6 dB
3,6	RH	OK	27.9 dB @ 243.00MHz	N/A	>= 13.5 dB	14.4 dB
5,4	RH	OK	29.4 dB @ 247.00MHz	N/A	>= 13.3 dB	16.1 dB
1,2	RH	OK	36.1 dB @ 217.50MHz	N/A	>= 14.4 dB	21.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0142  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:51:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.6m	40.7m	41.7m	39.6m	< 90.0m	OK
Ritardo di propag.	198.6ns	203.6ns	208.3ns	198.4ns	< 510.0ns	OK
Diff. t. ritardo	9.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.1 Ohm	99.3 Ohm	96.4 Ohm	101.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.6 Ohm	9.0 Ohm	9.5 Ohm	8.9 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.6pF/m	49.0pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	10.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.1 dB @ 236.50MHz	N/A	> 35.7 dB	5.4 dB
7,8-5,4	DH	OK	53.0 dB @ 191.00MHz	N/A	> 37.2 dB	15.8 dB
7,8-1,2	DH	OK	51.1 dB @ 228.50MHz	N/A	> 36.0 dB	15.1 dB
3,6-5,4	DH	OK	51.4 dB @ 167.50MHz	N/A	> 38.2 dB	13.2 dB
3,6-1,2	DH	OK	48.6 dB @ 249.50MHz	N/A	> 35.3 dB	13.3 dB
5,4-1,2	DH	OK	47.5 dB @ 250.00MHz	N/A	> 35.3 dB	12.2 dB
7,8-3,6	RH	OK	46.8 dB @ 234.00MHz	N/A	> 35.8 dB	11.0 dB
7,8-5,4	RH	OK	45.1 dB @ 249.50MHz	N/A	> 35.3 dB	9.8 dB
7,8-1,2	RH	OK	53.2 dB @ 228.00MHz	N/A	> 36.0 dB	17.2 dB
3,6-5,4	RH	OK	52.3 dB @ 226.50MHz	N/A	> 36.0 dB	16.3 dB
3,6-1,2	RH	OK	45.9 dB @ 227.50MHz	N/A	> 36.0 dB	9.9 dB
5,4-1,2	RH	OK	48.1 dB @ 250.00MHz	N/A	> 35.3 dB	12.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.0 dB @ 227.00MHz	N/A	> 10.4 dB	5.6 dB
3,6	DH	OK	15.5 dB @ 229.50MHz	N/A	> 10.4 dB	5.1 dB
5,4	DH	OK	16.3 dB @ 228.00MHz	N/A	> 10.4 dB	5.9 dB
1,2	DH	OK	17.6 dB @ 172.50MHz	N/A	> 11.6 dB	6.0 dB
7,8	RH	OK	17.0 dB @ 221.50MHz	N/A	> 10.5 dB	6.5 dB
3,6	RH	OK	17.4 dB @ 164.50MHz	N/A	> 11.8 dB	5.6 dB
5,4	RH	OK	16.8 dB @ 233.00MHz	N/A	> 10.3 dB	6.5 dB
1,2	RH	OK	17.8 dB @ 167.00MHz	N/A	> 11.8 dB	6.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.6 dB @ 242.50MHz	N/A	< 30.6 dB	18.0 dB
3,6	OK	13.1 dB @ 247.00MHz	N/A	< 30.9 dB	17.8 dB
5,4	OK	13.3 dB @ 246.50MHz	N/A	< 30.9 dB	17.6 dB
1,2	OK	12.7 dB @ 248.00MHz	N/A	< 31.0 dB	18.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	29.2 dB @ 236.50MHz	N/A	>= 5.5 dB	23.7 dB
3,6	DH	OK	28.6 dB @ 236.50MHz	N/A	>= 5.5 dB	23.1 dB
5,4	DH	OK	34.4 dB @ 250.00MHz	N/A	>= 4.1 dB	30.3 dB
1,2	DH	OK	35.8 dB @ 250.00MHz	N/A	>= 4.1 dB	31.7 dB
7,8	RH	OK	32.7 dB @ 249.00MHz	N/A	>= 4.2 dB	28.5 dB
3,6	RH	OK	33.7 dB @ 228.00MHz	N/A	>= 6.5 dB	27.2 dB
5,4	RH	OK	32.2 dB @ 249.00MHz	N/A	>= 4.2 dB	28.0 dB
1,2	RH	OK	34.4 dB @ 227.50MHz	N/A	>= 6.5 dB	27.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0142  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:51:44  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.9 dB @ 225.00MHz	N/A	> 17.1 dB	16.8 dB
7,8-5,4	DH	OK	41.5 dB @ 247.00MHz	N/A	> 16.3 dB	25.2 dB
7,8-1,2	DH	OK	49.6 dB @ 185.50MHz	N/A	> 18.8 dB	30.8 dB
3,6-7,8	DH	OK	32.4 dB @ 230.50MHz	N/A	> 16.9 dB	15.5 dB
3,6-5,4	DH	OK	33.4 dB @ 250.00MHz	N/A	> 16.2 dB	17.2 dB
3,6-1,2	DH	OK	41.5 dB @ 179.00MHz	N/A	> 19.1 dB	22.4 dB
5,4-7,8	DH	OK	41.6 dB @ 249.50MHz	N/A	> 16.2 dB	25.4 dB
5,4-3,6	DH	OK	34.3 dB @ 250.00MHz	N/A	> 16.2 dB	18.1 dB
5,4-1,2	DH	OK	38.0 dB @ 216.50MHz	N/A	> 17.5 dB	20.5 dB
1,2-7,8	DH	OK	48.9 dB @ 203.00MHz	N/A	> 18.0 dB	30.9 dB
1,2-3,6	DH	OK	41.5 dB @ 176.50MHz	N/A	> 19.2 dB	22.3 dB
1,2-5,4	DH	OK	37.0 dB @ 213.00MHz	N/A	> 17.6 dB	19.4 dB
7,8-3,6	RH	OK	34.4 dB @ 223.50MHz	N/A	> 17.2 dB	17.2 dB
7,8-5,4	RH	OK	42.2 dB @ 249.50MHz	N/A	> 16.2 dB	26.0 dB
7,8-1,2	RH	OK	49.2 dB @ 185.50MHz	N/A	> 18.8 dB	30.4 dB
3,6-7,8	RH	OK	32.1 dB @ 233.00MHz	N/A	> 16.8 dB	15.3 dB
3,6-5,4	RH	OK	33.6 dB @ 248.00MHz	N/A	> 16.3 dB	17.3 dB
3,6-1,2	RH	OK	40.9 dB @ 179.00MHz	N/A	> 19.1 dB	21.8 dB
5,4-7,8	RH	OK	40.8 dB @ 248.50MHz	N/A	> 16.3 dB	24.5 dB
5,4-3,6	RH	OK	33.9 dB @ 250.00MHz	N/A	> 16.2 dB	17.7 dB
5,4-1,2	RH	OK	36.8 dB @ 207.00MHz	N/A	> 17.8 dB	19.0 dB
1,2-7,8	RH	OK	49.3 dB @ 197.50MHz	N/A	> 18.3 dB	31.0 dB
1,2-3,6	RH	OK	42.1 dB @ 178.00MHz	N/A	> 19.2 dB	22.9 dB
1,2-5,4	RH	OK	37.8 dB @ 213.00MHz	N/A	> 17.6 dB	20.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.7 dB @ 236.50MHz	N/A	> 32.7 dB	8.0 dB
3,6	DH	OK	40.8 dB @ 236.50MHz	N/A	> 32.7 dB	8.1 dB
5,4	DH	OK	46.5 dB @ 250.00MHz	N/A	> 32.3 dB	14.2 dB
1,2	DH	OK	44.6 dB @ 250.00MHz	N/A	> 32.3 dB	12.3 dB
7,8	RH	OK	43.4 dB @ 234.00MHz	N/A	> 32.8 dB	10.6 dB
3,6	RH	OK	43.6 dB @ 226.50MHz	N/A	> 33.0 dB	10.6 dB
5,4	RH	OK	43.1 dB @ 250.00MHz	N/A	> 32.3 dB	10.8 dB
1,2	RH	OK	44.4 dB @ 250.00MHz	N/A	> 32.3 dB	12.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.8 dB @ 236.50MHz	N/A	>= 2.5 dB	26.3 dB
3,6	DH	OK	28.3 dB @ 236.50MHz	N/A	>= 2.5 dB	25.8 dB
5,4	DH	OK	33.4 dB @ 250.00MHz	N/A	>= 1.1 dB	32.3 dB
1,2	DH	OK	32.6 dB @ 248.00MHz	N/A	>= 1.4 dB	31.2 dB
7,8	RH	OK	31.0 dB @ 249.00MHz	N/A	>= 1.2 dB	29.8 dB
3,6	RH	OK	31.1 dB @ 226.50MHz	N/A	>= 3.6 dB	27.5 dB
5,4	RH	OK	30.0 dB @ 250.00MHz	N/A	>= 1.1 dB	28.9 dB
1,2	RH	OK	32.4 dB @ 248.00MHz	N/A	>= 1.4 dB	31.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.1 dB @ 230.50MHz	N/A	>= 13.9 dB	18.2 dB
3,6	DH	OK	31.3 dB @ 225.00MHz	N/A	>= 14.1 dB	17.2 dB
5,4	DH	OK	32.4 dB @ 248.50MHz	N/A	>= 13.3 dB	19.1 dB
1,2	DH	OK	37.3 dB @ 216.50MHz	N/A	>= 14.5 dB	22.8 dB
7,8	RH	OK	34.0 dB @ 230.50MHz	N/A	>= 13.9 dB	20.1 dB
3,6	RH	OK	30.7 dB @ 233.00MHz	N/A	>= 13.8 dB	16.9 dB
5,4	RH	OK	32.8 dB @ 226.50MHz	N/A	>= 14.1 dB	18.7 dB
1,2	RH	OK	36.9 dB @ 213.00MHz	N/A	>= 14.6 dB	22.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

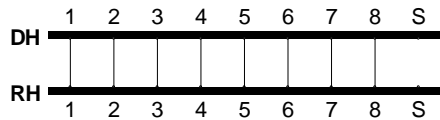
**OK**

ID cavo 1: 0143  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:52:47  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.4m	40.6m	41.5m	39.4m	< 90.0m	OK
Ritardo di propag.	197.6ns	202.9ns	207.5ns	197.6ns	< 510.0ns	OK
Diff. t. ritardo	9.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.6 Ohm	99.1 Ohm	96.4 Ohm	102.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.7 Ohm	9.1 Ohm	10.0 Ohm	9.1 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.6pF/m	49.0pF/m	46.2pF/m	< 66.0pF/m	OK
Riserva	9.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.4 dB @ 250.00MHz	N/A	> 35.3 dB	7.1 dB
7,8-5,4	DH	OK	51.3 dB @ 231.00MHz	N/A	> 35.9 dB	15.4 dB
7,8-1,2	DH	OK	53.3 dB @ 218.50MHz	N/A	> 36.3 dB	17.0 dB
3,6-5,4	DH	OK	50.2 dB @ 174.00MHz	N/A	> 37.9 dB	12.3 dB
3,6-1,2	DH	OK	48.7 dB @ 223.00MHz	N/A	> 36.1 dB	12.6 dB
5,4-1,2	DH	OK	50.1 dB @ 249.00MHz	N/A	> 35.3 dB	14.8 dB
7,8-3,6	RH	OK	45.5 dB @ 235.50MHz	N/A	> 35.7 dB	9.8 dB
7,8-5,4	RH	OK	46.5 dB @ 238.50MHz	N/A	> 35.7 dB	10.8 dB
7,8-1,2	RH	OK	52.2 dB @ 193.00MHz	N/A	> 37.2 dB	15.0 dB
3,6-5,4	RH	OK	51.0 dB @ 240.50MHz	N/A	> 35.6 dB	15.4 dB
3,6-1,2	RH	OK	45.7 dB @ 223.00MHz	N/A	> 36.1 dB	9.6 dB
5,4-1,2	RH	OK	47.9 dB @ 245.50MHz	N/A	> 35.4 dB	12.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.0 dB @ 222.50MHz	N/A	> 10.5 dB	4.5 dB
3,6	DH	OK	15.5 dB @ 228.00MHz	N/A	> 10.4 dB	5.1 dB
5,4	DH	OK	16.3 dB @ 231.00MHz	N/A	> 10.4 dB	5.9 dB
1,2	DH	OK	16.6 dB @ 222.00MHz	N/A	> 10.5 dB	6.1 dB
7,8	RH	OK	16.8 dB @ 107.00MHz	N/A	> 13.7 dB	3.1 dB
3,6	RH	OK	17.6 dB @ 228.00MHz	N/A	> 10.4 dB	7.2 dB
5,4	RH	OK	18.4 dB @ 224.00MHz	N/A	> 10.5 dB	7.9 dB
1,2	RH	OK	16.9 dB @ 225.00MHz	N/A	> 10.5 dB	6.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.6 dB @ 249.00MHz	N/A	< 31.1 dB	18.5 dB
3,6	OK	13.4 dB @ 247.00MHz	N/A	< 30.9 dB	17.5 dB
5,4	OK	13.5 dB @ 247.00MHz	N/A	< 30.9 dB	17.4 dB
1,2	OK	12.5 dB @ 225.00MHz	N/A	< 29.3 dB	16.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.1 dB @ 250.00MHz	N/A	>= 4.1 dB	26.0 dB
3,6	DH	OK	29.4 dB @ 247.00MHz	N/A	>= 4.5 dB	24.9 dB
5,4	DH	OK	37.0 dB @ 248.00MHz	N/A	>= 4.4 dB	32.6 dB
1,2	DH	OK	37.1 dB @ 223.00MHz	N/A	>= 6.9 dB	30.2 dB
7,8	RH	OK	33.7 dB @ 250.00MHz	N/A	>= 4.1 dB	29.6 dB
3,6	RH	OK	32.8 dB @ 235.50MHz	N/A	>= 5.6 dB	27.2 dB
5,4	RH	OK	33.6 dB @ 231.00MHz	N/A	>= 6.1 dB	27.5 dB
1,2	RH	OK	34.1 dB @ 223.00MHz	N/A	>= 6.9 dB	27.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0143  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:52:47  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.8 dB @ 221.50MHz	N/A	> 17.3 dB	17.5 dB
7,8-5,4	DH	OK	45.6 dB @ 247.00MHz	N/A	> 16.3 dB	29.3 dB
7,8-1,2	DH	OK	47.0 dB @ 116.00MHz	N/A	> 22.9 dB	24.1 dB
3,6-7,8	DH	OK	33.2 dB @ 232.00MHz	N/A	> 16.9 dB	16.3 dB
3,6-5,4	DH	OK	30.7 dB @ 247.00MHz	N/A	> 16.3 dB	14.4 dB
3,6-1,2	DH	OK	41.7 dB @ 250.00MHz	N/A	> 16.2 dB	25.5 dB
5,4-7,8	DH	OK	44.8 dB @ 250.00MHz	N/A	> 16.2 dB	28.6 dB
5,4-3,6	DH	OK	30.6 dB @ 247.00MHz	N/A	> 16.3 dB	14.3 dB
5,4-1,2	DH	OK	40.2 dB @ 212.50MHz	N/A	> 17.6 dB	22.6 dB
1,2-7,8	DH	OK	46.4 dB @ 158.50MHz	N/A	> 20.2 dB	26.2 dB
1,2-3,6	DH	OK	42.1 dB @ 180.00MHz	N/A	> 19.1 dB	23.0 dB
1,2-5,4	DH	OK	38.8 dB @ 210.00MHz	N/A	> 17.7 dB	21.1 dB
7,8-3,6	RH	OK	35.0 dB @ 224.50MHz	N/A	> 17.1 dB	17.9 dB
7,8-5,4	RH	OK	45.9 dB @ 208.00MHz	N/A	> 17.8 dB	28.1 dB
7,8-1,2	RH	OK	46.6 dB @ 208.00MHz	N/A	> 17.8 dB	28.8 dB
3,6-7,8	RH	OK	32.9 dB @ 232.00MHz	N/A	> 16.9 dB	16.0 dB
3,6-5,4	RH	OK	30.8 dB @ 247.00MHz	N/A	> 16.3 dB	14.5 dB
3,6-1,2	RH	OK	41.2 dB @ 250.00MHz	N/A	> 16.2 dB	25.0 dB
5,4-7,8	RH	OK	44.2 dB @ 248.00MHz	N/A	> 16.3 dB	27.9 dB
5,4-3,6	RH	OK	30.5 dB @ 247.00MHz	N/A	> 16.3 dB	14.2 dB
5,4-1,2	RH	OK	39.2 dB @ 209.00MHz	N/A	> 17.8 dB	21.4 dB
1,2-7,8	RH	OK	46.8 dB @ 164.50MHz	N/A	> 19.8 dB	27.0 dB
1,2-3,6	RH	OK	42.6 dB @ 180.00MHz	N/A	> 19.1 dB	23.5 dB
1,2-5,4	RH	OK	39.7 dB @ 212.50MHz	N/A	> 17.6 dB	22.1 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.0 dB @ 250.00MHz	N/A	> 32.3 dB	9.7 dB
3,6	DH	OK	41.7 dB @ 250.00MHz	N/A	> 32.3 dB	9.4 dB
5,4	DH	OK	48.0 dB @ 249.00MHz	N/A	> 32.3 dB	15.7 dB
1,2	DH	OK	47.0 dB @ 249.00MHz	N/A	> 32.3 dB	14.7 dB
7,8	RH	OK	43.0 dB @ 235.50MHz	N/A	> 32.7 dB	10.3 dB
3,6	RH	OK	43.4 dB @ 235.50MHz	N/A	> 32.7 dB	10.7 dB
5,4	RH	OK	44.3 dB @ 246.00MHz	N/A	> 32.4 dB	11.9 dB
1,2	RH	OK	44.4 dB @ 223.00MHz	N/A	> 33.1 dB	11.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.7 dB @ 250.00MHz	N/A	>= 1.1 dB	28.6 dB
3,6	DH	OK	28.6 dB @ 247.00MHz	N/A	>= 1.5 dB	27.1 dB
5,4	DH	OK	35.0 dB @ 248.00MHz	N/A	>= 1.4 dB	33.6 dB
1,2	DH	OK	35.0 dB @ 249.50MHz	N/A	>= 1.2 dB	33.8 dB
7,8	RH	OK	31.3 dB @ 235.50MHz	N/A	>= 2.6 dB	28.7 dB
3,6	RH	OK	30.7 dB @ 235.50MHz	N/A	>= 2.6 dB	28.1 dB
5,4	RH	OK	31.3 dB @ 246.00MHz	N/A	>= 1.5 dB	29.8 dB
1,2	RH	OK	32.8 dB @ 223.00MHz	N/A	>= 3.9 dB	28.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.9 dB @ 232.00MHz	N/A	>= 13.9 dB	19.0 dB
3,6	DH	OK	29.3 dB @ 247.00MHz	N/A	>= 13.3 dB	16.0 dB
5,4	DH	OK	30.3 dB @ 247.00MHz	N/A	>= 13.3 dB	17.0 dB
1,2	DH	OK	38.6 dB @ 225.00MHz	N/A	>= 14.1 dB	24.5 dB
7,8	RH	OK	34.5 dB @ 224.50MHz	N/A	>= 14.1 dB	20.4 dB
3,6	RH	OK	29.3 dB @ 247.00MHz	N/A	>= 13.3 dB	16.0 dB
5,4	RH	OK	30.2 dB @ 247.00MHz	N/A	>= 13.3 dB	16.9 dB
1,2	RH	OK	38.2 dB @ 215.50MHz	N/A	>= 14.5 dB	23.7 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0144  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:53:55  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	39.4m	40.6m	41.5m	39.5m	< 90.0m	OK
Ritardo di propag.	197.7ns	203.0ns	207.1ns	198.0ns	< 510.0ns	OK
Diff. t. ritardo	9.4ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.6 Ohm	99.7 Ohm	98.6 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.5 Ohm	8.6 Ohm	9.2 Ohm	8.4 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.4pF/m	47.8pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	8.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.5 dB @ 243.50MHz	N/A	> 35.5 dB	6.0 dB
7,8-5,4	DH	OK	52.0 dB @ 230.50MHz	N/A	> 35.9 dB	16.1 dB
7,8-1,2	DH	OK	58.9 dB @ 195.50MHz	N/A	> 37.1 dB	21.8 dB
3,6-5,4	DH	OK	53.6 dB @ 160.00MHz	N/A	> 38.5 dB	15.1 dB
3,6-1,2	DH	OK	45.0 dB @ 243.00MHz	N/A	> 35.5 dB	9.5 dB
5,4-1,2	DH	OK	49.6 dB @ 249.00MHz	N/A	> 35.3 dB	14.3 dB
7,8-3,6	RH	OK	47.8 dB @ 224.50MHz	N/A	> 36.1 dB	11.7 dB
7,8-5,4	RH	OK	45.5 dB @ 245.00MHz	N/A	> 35.5 dB	10.0 dB
7,8-1,2	RH	OK	54.2 dB @ 238.00MHz	N/A	> 35.7 dB	18.5 dB
3,6-5,4	RH	OK	51.9 dB @ 240.50MHz	N/A	> 35.6 dB	16.3 dB
3,6-1,2	RH	OK	47.5 dB @ 225.50MHz	N/A	> 36.0 dB	11.5 dB
5,4-1,2	RH	OK	46.4 dB @ 250.00MHz	N/A	> 35.3 dB	11.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	17.0 dB @ 227.50MHz	N/A	> 10.4 dB	6.6 dB
3,6	DH	OK	15.6 dB @ 230.50MHz	N/A	> 10.4 dB	5.2 dB
5,4	DH	OK	16.9 dB @ 231.00MHz	N/A	> 10.4 dB	6.5 dB
1,2	DH	OK	16.9 dB @ 225.00MHz	N/A	> 10.5 dB	6.4 dB
7,8	RH	OK	18.7 dB @ 228.50MHz	N/A	> 10.4 dB	8.3 dB
3,6	RH	OK	16.9 dB @ 230.50MHz	N/A	> 10.4 dB	6.5 dB
5,4	RH	OK	17.2 dB @ 233.50MHz	N/A	> 10.3 dB	6.9 dB
1,2	RH	OK	18.5 dB @ 170.50MHz	N/A	> 11.7 dB	6.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	13.5 dB @ 238.50MHz	N/A	< 30.3 dB	16.8 dB
3,6	OK	14.0 dB @ 228.00MHz	N/A	< 29.5 dB	15.5 dB
5,4	OK	13.3 dB @ 246.50MHz	N/A	< 30.9 dB	17.6 dB
1,2	OK	12.5 dB @ 217.50MHz	N/A	< 28.7 dB	16.2 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	28.8 dB @ 238.50MHz	N/A	>= 5.4 dB	23.4 dB
3,6	DH	OK	29.1 dB @ 243.50MHz	N/A	>= 4.8 dB	24.3 dB
5,4	DH	OK	36.9 dB @ 249.00MHz	N/A	>= 4.2 dB	32.7 dB
1,2	DH	OK	33.2 dB @ 243.00MHz	N/A	>= 4.9 dB	28.3 dB
7,8	RH	OK	32.9 dB @ 245.00MHz	N/A	>= 4.7 dB	28.2 dB
3,6	RH	OK	35.0 dB @ 225.50MHz	N/A	>= 6.7 dB	28.3 dB
5,4	RH	OK	32.7 dB @ 246.50MHz	N/A	>= 4.5 dB	28.2 dB
1,2	RH	OK	34.7 dB @ 250.00MHz	N/A	>= 4.1 dB	30.6 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0144  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:53:55  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.9 dB @ 228.00MHz	N/A	> 17.0 dB	13.9 dB
7,8-5,4	DH	OK	43.9 dB @ 247.50MHz	N/A	> 16.3 dB	27.6 dB
7,8-1,2	DH	OK	44.5 dB @ 217.50MHz	N/A	> 17.4 dB	27.1 dB
3,6-7,8	DH	OK	31.2 dB @ 224.50MHz	N/A	> 17.1 dB	14.1 dB
3,6-5,4	DH	OK	30.7 dB @ 247.50MHz	N/A	> 16.3 dB	14.4 dB
3,6-1,2	DH	OK	41.8 dB @ 241.50MHz	N/A	> 16.5 dB	25.3 dB
5,4-7,8	DH	OK	43.2 dB @ 250.00MHz	N/A	> 16.2 dB	27.0 dB
5,4-3,6	DH	OK	31.3 dB @ 245.50MHz	N/A	> 16.4 dB	14.9 dB
5,4-1,2	DH	OK	37.8 dB @ 217.50MHz	N/A	> 17.4 dB	20.4 dB
1,2-7,8	DH	OK	42.8 dB @ 238.50MHz	N/A	> 16.6 dB	26.2 dB
1,2-3,6	DH	OK	41.6 dB @ 250.00MHz	N/A	> 16.2 dB	25.4 dB
1,2-5,4	DH	OK	37.6 dB @ 214.50MHz	N/A	> 17.5 dB	20.1 dB
7,8-3,6	RH	OK	32.0 dB @ 224.50MHz	N/A	> 17.1 dB	14.9 dB
7,8-5,4	RH	OK	44.6 dB @ 249.00MHz	N/A	> 16.2 dB	28.4 dB
7,8-1,2	RH	OK	43.7 dB @ 238.50MHz	N/A	> 16.6 dB	27.1 dB
3,6-7,8	RH	OK	30.4 dB @ 228.00MHz	N/A	> 17.0 dB	13.4 dB
3,6-5,4	RH	OK	30.7 dB @ 248.50MHz	N/A	> 16.3 dB	14.4 dB
3,6-1,2	RH	OK	41.1 dB @ 241.00MHz	N/A	> 16.5 dB	24.6 dB
5,4-7,8	RH	OK	42.9 dB @ 249.00MHz	N/A	> 16.2 dB	26.7 dB
5,4-3,6	RH	OK	30.9 dB @ 247.50MHz	N/A	> 16.3 dB	14.6 dB
5,4-1,2	RH	OK	37.9 dB @ 214.50MHz	N/A	> 17.5 dB	20.4 dB
1,2-7,8	RH	OK	43.7 dB @ 249.00MHz	N/A	> 16.2 dB	27.5 dB
1,2-3,6	RH	OK	42.5 dB @ 250.00MHz	N/A	> 16.2 dB	26.3 dB
1,2-5,4	RH	OK	38.0 dB @ 217.50MHz	N/A	> 17.4 dB	20.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 243.50MHz	N/A	> 32.5 dB	8.8 dB
3,6	DH	OK	39.9 dB @ 243.50MHz	N/A	> 32.5 dB	7.4 dB
5,4	DH	OK	48.3 dB @ 249.00MHz	N/A	> 32.3 dB	16.0 dB
1,2	DH	OK	44.4 dB @ 243.00MHz	N/A	> 32.5 dB	11.9 dB
7,8	RH	OK	43.7 dB @ 246.00MHz	N/A	> 32.4 dB	11.3 dB
3,6	RH	OK	44.6 dB @ 225.00MHz	N/A	> 33.1 dB	11.5 dB
5,4	RH	OK	43.3 dB @ 248.00MHz	N/A	> 32.4 dB	10.9 dB
1,2	RH	OK	44.6 dB @ 250.00MHz	N/A	> 32.3 dB	12.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	28.5 dB @ 238.50MHz	N/A	>= 2.4 dB	26.1 dB
3,6	DH	OK	27.4 dB @ 243.00MHz	N/A	>= 1.9 dB	25.5 dB
5,4	DH	OK	35.6 dB @ 248.00MHz	N/A	>= 1.4 dB	34.2 dB
1,2	DH	OK	32.6 dB @ 243.00MHz	N/A	>= 1.9 dB	30.7 dB
7,8	RH	OK	31.2 dB @ 238.50MHz	N/A	>= 2.4 dB	28.8 dB
3,6	RH	OK	32.4 dB @ 225.00MHz	N/A	>= 3.8 dB	28.6 dB
5,4	RH	OK	30.4 dB @ 247.50MHz	N/A	>= 1.4 dB	29.0 dB
1,2	RH	OK	32.9 dB @ 250.00MHz	N/A	>= 1.1 dB	31.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.9 dB @ 230.00MHz	N/A	>= 13.9 dB	17.0 dB
3,6	DH	OK	28.0 dB @ 228.00MHz	N/A	>= 14.0 dB	14.0 dB
5,4	DH	OK	30.3 dB @ 247.50MHz	N/A	>= 13.3 dB	17.0 dB
1,2	DH	OK	35.9 dB @ 217.50MHz	N/A	>= 14.4 dB	21.5 dB
7,8	RH	OK	31.5 dB @ 224.50MHz	N/A	>= 14.1 dB	17.4 dB
3,6	RH	OK	27.4 dB @ 228.00MHz	N/A	>= 14.0 dB	13.4 dB
5,4	RH	OK	30.5 dB @ 247.50MHz	N/A	>= 13.3 dB	17.2 dB
1,2	RH	OK	36.5 dB @ 217.50MHz	N/A	>= 14.4 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

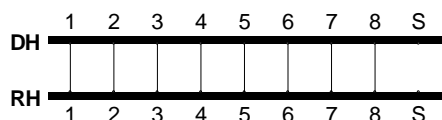
ID cavo 1: 0145  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:55:00  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.7m	37.6m	38.3m	36.7m	< 90.0m	OK
Ritardo di propag.	185.0ns	189.4ns	192.5ns	185.0ns	< 510.0ns	OK
Diff. t. ritardo	7.5ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.2 Ohm	99.7 Ohm	99.3 Ohm	100.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.3 Ohm	7.9 Ohm	8.6 Ohm	7.5 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.4pF/m	47.6pF/m	47.0pF/m	< 66.0pF/m	OK
Riserva	8.7 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.2 dB @ 235.50MHz	N/A	> 35.7 dB	5.5 dB
7,8-5,4	DH	OK	52.1 dB @ 234.00MHz	N/A	> 35.8 dB	16.3 dB
7,8-1,2	DH	OK	59.6 dB @ 221.00MHz	N/A	> 36.2 dB	23.4 dB
3,6-5,4	DH	OK	49.8 dB @ 234.00MHz	N/A	> 35.8 dB	14.0 dB
3,6-1,2	DH	OK	47.6 dB @ 243.50MHz	N/A	> 35.5 dB	12.1 dB
5,4-1,2	DH	OK	48.6 dB @ 211.50MHz	N/A	> 36.5 dB	12.1 dB
7,8-3,6	RH	OK	46.3 dB @ 219.00MHz	N/A	> 36.3 dB	10.0 dB
7,8-5,4	RH	OK	46.9 dB @ 235.50MHz	N/A	> 35.7 dB	11.2 dB
7,8-1,2	RH	OK	50.0 dB @ 191.50MHz	N/A	> 37.2 dB	12.8 dB
3,6-5,4	RH	OK	50.1 dB @ 246.00MHz	N/A	> 35.4 dB	14.7 dB
3,6-1,2	RH	OK	46.3 dB @ 228.50MHz	N/A	> 36.0 dB	10.3 dB
5,4-1,2	RH	OK	50.8 dB @ 249.00MHz	N/A	> 35.3 dB	15.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.9 dB @ 225.00MHz	N/A	> 10.5 dB	5.4 dB
3,6	DH	OK	15.2 dB @ 223.50MHz	N/A	> 10.5 dB	4.7 dB
5,4	DH	OK	18.4 dB @ 232.50MHz	N/A	> 10.3 dB	8.1 dB
1,2	DH	OK	15.2 dB @ 224.50MHz	N/A	> 10.5 dB	4.7 dB
7,8	RH	OK	15.2 dB @ 225.00MHz	N/A	> 10.5 dB	4.7 dB
3,6	RH	OK	15.7 dB @ 223.00MHz	N/A	> 10.5 dB	5.2 dB
5,4	RH	OK	19.8 dB @ 232.00MHz	N/A	> 10.3 dB	9.5 dB
1,2	RH	OK	17.7 dB @ 172.00MHz	N/A	> 11.6 dB	6.1 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.8 dB @ 225.00MHz	N/A	< 29.3 dB	17.5 dB
3,6	OK	12.7 dB @ 239.50MHz	N/A	< 30.4 dB	17.7 dB
5,4	OK	12.2 dB @ 244.50MHz	N/A	< 30.7 dB	18.5 dB
1,2	OK	11.7 dB @ 249.50MHz	N/A	< 31.1 dB	19.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.4 dB @ 235.50MHz	N/A	>= 5.6 dB	24.8 dB
3,6	DH	OK	29.5 dB @ 236.00MHz	N/A	>= 5.6 dB	23.9 dB
5,4	DH	OK	36.9 dB @ 244.50MHz	N/A	>= 4.8 dB	32.1 dB
1,2	DH	OK	36.7 dB @ 243.50MHz	N/A	>= 4.8 dB	31.9 dB
7,8	RH	OK	35.4 dB @ 233.00MHz	N/A	>= 5.9 dB	29.5 dB
3,6	RH	OK	34.5 dB @ 233.00MHz	N/A	>= 5.9 dB	28.6 dB
5,4	RH	OK	35.9 dB @ 238.00MHz	N/A	>= 5.4 dB	30.5 dB
1,2	RH	OK	35.5 dB @ 228.00MHz	N/A	>= 6.5 dB	29.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0145  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 12:55:00  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.4 dB @ 223.50MHz	N/A	> 17.2 dB	15.2 dB
7,8-5,4	DH	OK	48.6 dB @ 244.50MHz	N/A	> 16.4 dB	32.2 dB
7,8-1,2	DH	OK	51.9 dB @ 249.00MHz	N/A	> 16.2 dB	35.7 dB
3,6-7,8	DH	OK	32.2 dB @ 232.00MHz	N/A	> 16.9 dB	15.3 dB
3,6-5,4	DH	OK	30.3 dB @ 247.50MHz	N/A	> 16.3 dB	14.0 dB
3,6-1,2	DH	OK	44.6 dB @ 232.00MHz	N/A	> 16.9 dB	27.7 dB
5,4-7,8	DH	OK	47.4 dB @ 249.50MHz	N/A	> 16.2 dB	31.2 dB
5,4-3,6	DH	OK	30.8 dB @ 246.50MHz	N/A	> 16.3 dB	14.5 dB
5,4-1,2	DH	OK	36.3 dB @ 240.50MHz	N/A	> 16.5 dB	19.8 dB
1,2-7,8	DH	OK	50.1 dB @ 225.00MHz	N/A	> 17.1 dB	33.0 dB
1,2-3,6	DH	OK	45.0 dB @ 179.00MHz	N/A	> 19.1 dB	25.9 dB
1,2-5,4	DH	OK	34.6 dB @ 240.00MHz	N/A	> 16.6 dB	18.0 dB
7,8-3,6	RH	OK	33.0 dB @ 226.50MHz	N/A	> 17.1 dB	15.9 dB
7,8-5,4	RH	OK	49.1 dB @ 241.50MHz	N/A	> 16.5 dB	32.6 dB
7,8-1,2	RH	OK	51.9 dB @ 248.50MHz	N/A	> 16.3 dB	35.6 dB
3,6-7,8	RH	OK	31.4 dB @ 232.50MHz	N/A	> 16.8 dB	14.6 dB
3,6-5,4	RH	OK	30.5 dB @ 247.50MHz	N/A	> 16.3 dB	14.2 dB
3,6-1,2	RH	OK	44.2 dB @ 231.50MHz	N/A	> 16.9 dB	27.3 dB
5,4-7,8	RH	OK	47.5 dB @ 249.50MHz	N/A	> 16.2 dB	31.3 dB
5,4-3,6	RH	OK	30.9 dB @ 247.00MHz	N/A	> 16.3 dB	14.6 dB
5,4-1,2	RH	OK	35.6 dB @ 240.00MHz	N/A	> 16.6 dB	19.0 dB
1,2-7,8	RH	OK	50.5 dB @ 232.50MHz	N/A	> 16.8 dB	33.7 dB
1,2-3,6	RH	OK	45.5 dB @ 179.00MHz	N/A	> 19.1 dB	26.4 dB
1,2-5,4	RH	OK	35.0 dB @ 239.00MHz	N/A	> 16.6 dB	18.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.0 dB @ 235.50MHz	N/A	> 32.7 dB	8.3 dB
3,6	DH	OK	40.6 dB @ 243.50MHz	N/A	> 32.5 dB	8.1 dB
5,4	DH	OK	46.7 dB @ 243.00MHz	N/A	> 32.5 dB	14.2 dB
1,2	DH	OK	45.2 dB @ 243.50MHz	N/A	> 32.5 dB	12.7 dB
7,8	RH	OK	44.0 dB @ 243.00MHz	N/A	> 32.5 dB	11.5 dB
3,6	RH	OK	43.0 dB @ 243.00MHz	N/A	> 32.5 dB	10.5 dB
5,4	RH	OK	45.6 dB @ 235.50MHz	N/A	> 32.7 dB	12.9 dB
1,2	RH	OK	44.2 dB @ 248.00MHz	N/A	> 32.4 dB	11.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.0 dB @ 242.50MHz	N/A	>= 1.9 dB	28.1 dB
3,6	DH	OK	28.7 dB @ 233.00MHz	N/A	>= 2.9 dB	25.8 dB
5,4	DH	OK	34.9 dB @ 243.50MHz	N/A	>= 1.8 dB	33.1 dB
1,2	DH	OK	34.3 dB @ 243.50MHz	N/A	>= 1.8 dB	32.5 dB
7,8	RH	OK	32.6 dB @ 243.00MHz	N/A	>= 1.9 dB	30.7 dB
3,6	RH	OK	31.4 dB @ 242.00MHz	N/A	>= 1.9 dB	29.5 dB
5,4	RH	OK	34.4 dB @ 238.00MHz	N/A	>= 2.4 dB	32.0 dB
1,2	RH	OK	33.2 dB @ 248.00MHz	N/A	>= 1.4 dB	31.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.1 dB @ 232.00MHz	N/A	>= 13.9 dB	18.2 dB
3,6	DH	OK	28.8 dB @ 249.00MHz	N/A	>= 13.2 dB	15.6 dB
5,4	DH	OK	28.9 dB @ 247.50MHz	N/A	>= 13.3 dB	15.6 dB
1,2	DH	OK	35.8 dB @ 232.50MHz	N/A	>= 13.8 dB	22.0 dB
7,8	RH	OK	32.9 dB @ 226.50MHz	N/A	>= 14.1 dB	18.8 dB
3,6	RH	OK	28.3 dB @ 239.50MHz	N/A	>= 13.6 dB	14.7 dB
5,4	RH	OK	29.8 dB @ 247.00MHz	N/A	>= 13.3 dB	16.5 dB
1,2	RH	OK	34.8 dB @ 239.00MHz	N/A	>= 13.6 dB	21.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

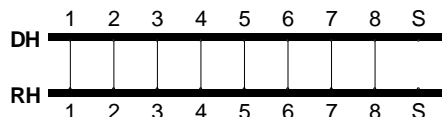
ID cavo 1: 0146  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:00:08  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.5m	37.4m	38.2m	36.4m	< 90.0m	OK
Ritardo di propag.	183.9ns	188.3ns	192.1ns	183.5ns	< 510.0ns	OK
Diff. t. ritardo	8.6ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.3 Ohm	98.9 Ohm	97.3 Ohm	101.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.9 Ohm	8.2 Ohm	9.3 Ohm	8.6 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.7pF/m	48.6pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	8.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.4 dB @ 234.50MHz	N/A	> 35.8 dB	5.6 dB
7,8-5,4	DH	OK	53.3 dB @ 230.50MHz	N/A	> 35.9 dB	17.4 dB
7,8-1,2	DH	OK	59.0 dB @ 216.00MHz	N/A	> 36.4 dB	22.6 dB
3,6-5,4	DH	OK	52.3 dB @ 235.50MHz	N/A	> 35.7 dB	16.6 dB
3,6-1,2	DH	OK	44.5 dB @ 245.50MHz	N/A	> 35.4 dB	9.1 dB
5,4-1,2	DH	OK	49.8 dB @ 204.50MHz	N/A	> 36.7 dB	13.1 dB
7,8-3,6	RH	OK	46.3 dB @ 222.50MHz	N/A	> 36.1 dB	10.2 dB
7,8-5,4	RH	OK	46.6 dB @ 248.50MHz	N/A	> 35.4 dB	11.2 dB
7,8-1,2	RH	OK	53.0 dB @ 190.00MHz	N/A	> 37.3 dB	15.7 dB
3,6-5,4	RH	OK	51.3 dB @ 235.00MHz	N/A	> 35.8 dB	15.5 dB
3,6-1,2	RH	OK	47.9 dB @ 229.50MHz	N/A	> 35.9 dB	12.0 dB
5,4-1,2	RH	OK	50.5 dB @ 192.00MHz	N/A	> 37.2 dB	13.3 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.5 dB @ 223.00MHz	N/A	> 10.5 dB	5.0 dB
3,6	DH	OK	15.6 dB @ 224.50MHz	N/A	> 10.5 dB	5.1 dB
5,4	DH	OK	16.6 dB @ 239.00MHz	N/A	> 10.2 dB	6.4 dB
1,2	DH	OK	15.6 dB @ 220.50MHz	N/A	> 10.6 dB	5.0 dB
7,8	RH	OK	16.1 dB @ 217.50MHz	N/A	> 10.6 dB	5.5 dB
3,6	RH	OK	17.3 dB @ 167.50MHz	N/A	> 11.7 dB	5.6 dB
5,4	RH	OK	19.9 dB @ 215.00MHz	N/A	> 10.7 dB	9.2 dB
1,2	RH	OK	14.2 dB @ 158.00MHz	N/A	> 12.0 dB	2.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.7 dB @ 249.00MHz	N/A	< 31.1 dB	19.4 dB
3,6	OK	12.2 dB @ 237.50MHz	N/A	< 30.2 dB	18.0 dB
5,4	OK	12.3 dB @ 244.50MHz	N/A	< 30.7 dB	18.4 dB
1,2	OK	11.5 dB @ 220.50MHz	N/A	< 29.0 dB	17.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.3 dB @ 234.50MHz	N/A	>= 5.8 dB	24.5 dB
3,6	DH	OK	30.1 dB @ 234.50MHz	N/A	>= 5.8 dB	24.3 dB
5,4	DH	OK	37.7 dB @ 244.50MHz	N/A	>= 4.8 dB	32.9 dB
1,2	DH	OK	33.6 dB @ 245.50MHz	N/A	>= 4.6 dB	29.0 dB
7,8	RH	OK	35.3 dB @ 247.50MHz	N/A	>= 4.4 dB	30.9 dB
3,6	RH	OK	34.8 dB @ 223.00MHz	N/A	>= 6.9 dB	27.9 dB
5,4	RH	OK	34.4 dB @ 248.50MHz	N/A	>= 4.4 dB	30.0 dB
1,2	RH	OK	36.9 dB @ 245.00MHz	N/A	>= 4.7 dB	32.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0146  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:00:08  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.7 dB @ 249.00MHz	N/A	> 16.2 dB	16.5 dB
7,8-5,4	DH	OK	44.1 dB @ 215.50MHz	N/A	> 17.5 dB	26.6 dB
7,8-1,2	DH	OK	45.9 dB @ 216.50MHz	N/A	> 17.5 dB	28.4 dB
3,6-7,8	DH	OK	31.3 dB @ 235.00MHz	N/A	> 16.7 dB	14.6 dB
3,6-5,4	DH	OK	32.3 dB @ 248.50MHz	N/A	> 16.3 dB	16.0 dB
3,6-1,2	DH	OK	42.1 dB @ 183.50MHz	N/A	> 18.9 dB	23.2 dB
5,4-7,8	DH	OK	43.4 dB @ 166.00MHz	N/A	> 19.8 dB	23.6 dB
5,4-3,6	DH	OK	32.6 dB @ 249.50MHz	N/A	> 16.2 dB	16.4 dB
5,4-1,2	DH	OK	39.0 dB @ 237.00MHz	N/A	> 16.7 dB	22.3 dB
1,2-7,8	DH	OK	46.6 dB @ 249.00MHz	N/A	> 16.2 dB	30.4 dB
1,2-3,6	DH	OK	41.1 dB @ 177.50MHz	N/A	> 19.2 dB	21.9 dB
1,2-5,4	DH	OK	37.1 dB @ 234.00MHz	N/A	> 16.8 dB	20.3 dB
7,8-3,6	RH	OK	33.0 dB @ 250.00MHz	N/A	> 16.2 dB	16.8 dB
7,8-5,4	RH	OK	44.4 dB @ 216.50MHz	N/A	> 17.5 dB	26.9 dB
7,8-1,2	RH	OK	45.8 dB @ 216.50MHz	N/A	> 17.5 dB	28.3 dB
3,6-7,8	RH	OK	30.9 dB @ 237.50MHz	N/A	> 16.7 dB	14.2 dB
3,6-5,4	RH	OK	32.5 dB @ 249.50MHz	N/A	> 16.2 dB	16.3 dB
3,6-1,2	RH	OK	41.5 dB @ 180.50MHz	N/A	> 19.0 dB	22.5 dB
5,4-7,8	RH	OK	43.2 dB @ 162.50MHz	N/A	> 19.9 dB	23.3 dB
5,4-3,6	RH	OK	32.3 dB @ 248.50MHz	N/A	> 16.3 dB	16.0 dB
5,4-1,2	RH	OK	38.6 dB @ 237.00MHz	N/A	> 16.7 dB	21.9 dB
1,2-7,8	RH	OK	47.3 dB @ 249.00MHz	N/A	> 16.2 dB	31.1 dB
1,2-3,6	RH	OK	41.5 dB @ 177.50MHz	N/A	> 19.2 dB	22.3 dB
1,2-5,4	RH	OK	37.7 dB @ 234.00MHz	N/A	> 16.8 dB	20.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 234.50MHz	N/A	> 32.8 dB	8.4 dB
3,6	DH	OK	40.0 dB @ 246.00MHz	N/A	> 32.4 dB	7.6 dB
5,4	DH	OK	48.9 dB @ 203.50MHz	N/A	> 33.8 dB	15.1 dB
1,2	DH	OK	43.5 dB @ 244.50MHz	N/A	> 32.5 dB	11.0 dB
7,8	RH	OK	43.9 dB @ 250.00MHz	N/A	> 32.3 dB	11.6 dB
3,6	RH	OK	44.2 dB @ 232.00MHz	N/A	> 32.8 dB	11.4 dB
5,4	RH	OK	44.8 dB @ 249.50MHz	N/A	> 32.3 dB	12.5 dB
1,2	RH	OK	47.0 dB @ 245.00MHz	N/A	> 32.5 dB	14.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.1 dB @ 234.50MHz	N/A	>= 2.8 dB	27.3 dB
3,6	DH	OK	28.5 dB @ 243.50MHz	N/A	>= 1.8 dB	26.7 dB
5,4	DH	OK	37.3 dB @ 244.50MHz	N/A	>= 1.8 dB	35.5 dB
1,2	DH	OK	32.6 dB @ 244.00MHz	N/A	>= 1.8 dB	30.8 dB
7,8	RH	OK	32.4 dB @ 250.00MHz	N/A	>= 1.1 dB	31.3 dB
3,6	RH	OK	32.6 dB @ 235.50MHz	N/A	>= 2.6 dB	30.0 dB
5,4	RH	OK	32.9 dB @ 248.50MHz	N/A	>= 1.4 dB	31.5 dB
1,2	RH	OK	35.9 dB @ 245.00MHz	N/A	>= 1.7 dB	34.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.1 dB @ 235.00MHz	N/A	>= 13.7 dB	17.4 dB
3,6	DH	OK	29.4 dB @ 249.00MHz	N/A	>= 13.2 dB	16.2 dB
5,4	DH	OK	31.3 dB @ 248.50MHz	N/A	>= 13.3 dB	18.0 dB
1,2	DH	OK	37.5 dB @ 237.00MHz	N/A	>= 13.7 dB	23.8 dB
7,8	RH	OK	32.7 dB @ 250.00MHz	N/A	>= 13.2 dB	19.5 dB
3,6	RH	OK	28.8 dB @ 249.50MHz	N/A	>= 13.2 dB	15.6 dB
5,4	RH	OK	31.4 dB @ 248.50MHz	N/A	>= 13.3 dB	18.1 dB
1,2	RH	OK	36.8 dB @ 239.50MHz	N/A	>= 13.6 dB	23.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0147  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:01:05  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.3m	37.3m	38.1m	36.3m	< 90.0m	OK
Ritardo di propag.	183.0ns	187.6ns	191.6ns	183.4ns	< 510.0ns	OK
Diff. t. ritardo	8.6ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.7 Ohm	98.9 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.6 Ohm	8.3 Ohm	9.2 Ohm	8.2 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.3pF/m	47.8pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	8.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.4 dB @ 235.00MHz	N/A	> 35.8 dB	5.6 dB
7,8-5,4	DH	OK	54.0 dB @ 239.50MHz	N/A	> 35.6 dB	18.4 dB
7,8-1,2	DH	OK	59.4 dB @ 105.50MHz	N/A	> 41.4 dB	18.0 dB
3,6-5,4	DH	OK	51.3 dB @ 227.50MHz	N/A	> 36.0 dB	15.3 dB
3,6-1,2	DH	OK	43.5 dB @ 241.50MHz	N/A	> 35.6 dB	7.9 dB
5,4-1,2	DH	OK	49.4 dB @ 249.00MHz	N/A	> 35.3 dB	14.1 dB
7,8-3,6	RH	OK	49.2 dB @ 223.50MHz	N/A	> 36.1 dB	13.1 dB
7,8-5,4	RH	OK	46.7 dB @ 231.50MHz	N/A	> 35.9 dB	10.8 dB
7,8-1,2	RH	OK	50.8 dB @ 203.00MHz	N/A	> 36.8 dB	14.0 dB
3,6-5,4	RH	OK	52.0 dB @ 244.50MHz	N/A	> 35.5 dB	16.5 dB
3,6-1,2	RH	OK	43.7 dB @ 233.50MHz	N/A	> 35.8 dB	7.9 dB
5,4-1,2	RH	OK	51.8 dB @ 250.00MHz	N/A	> 35.3 dB	16.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.9 dB @ 215.50MHz	N/A	> 10.7 dB	6.2 dB
3,6	DH	OK	16.4 dB @ 230.50MHz	N/A	> 10.4 dB	6.0 dB
5,4	DH	OK	17.1 dB @ 231.50MHz	N/A	> 10.3 dB	6.8 dB
1,2	DH	OK	17.5 dB @ 223.50MHz	N/A	> 10.5 dB	7.0 dB
7,8	RH	OK	14.5 dB @ 221.50MHz	N/A	> 10.5 dB	4.0 dB
3,6	RH	OK	15.7 dB @ 222.00MHz	N/A	> 10.5 dB	5.2 dB
5,4	RH	OK	17.8 dB @ 226.50MHz	N/A	> 10.4 dB	7.4 dB
1,2	RH	OK	17.7 dB @ 223.50MHz	N/A	> 10.5 dB	7.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.5 dB @ 249.00MHz	N/A	< 31.1 dB	19.6 dB
3,6	OK	11.9 dB @ 237.00MHz	N/A	< 30.2 dB	18.3 dB
5,4	OK	11.9 dB @ 249.00MHz	N/A	< 31.1 dB	19.2 dB
1,2	OK	11.5 dB @ 226.50MHz	N/A	< 29.4 dB	17.9 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.5 dB @ 235.00MHz	N/A	>= 5.8 dB	24.7 dB
3,6	DH	OK	30.0 dB @ 234.50MHz	N/A	>= 5.8 dB	24.2 dB
5,4	DH	OK	37.5 dB @ 249.00MHz	N/A	>= 4.2 dB	33.3 dB
1,2	DH	OK	32.6 dB @ 248.50MHz	N/A	>= 4.4 dB	28.2 dB
7,8	RH	OK	36.0 dB @ 231.50MHz	N/A	>= 6.1 dB	29.9 dB
3,6	RH	OK	32.2 dB @ 233.50MHz	N/A	>= 5.9 dB	26.3 dB
5,4	RH	OK	35.5 dB @ 231.50MHz	N/A	>= 6.1 dB	29.4 dB
1,2	RH	OK	32.5 dB @ 226.50MHz	N/A	>= 6.6 dB	25.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0147  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:01:05  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.6 dB @ 222.50MHz	N/A	> 17.2 dB	15.4 dB
7,8-5,4	DH	OK	41.3 dB @ 223.50MHz	N/A	> 17.2 dB	24.1 dB
7,8-1,2	DH	OK	41.2 dB @ 201.50MHz	N/A	> 18.1 dB	23.1 dB
3,6-7,8	DH	OK	32.5 dB @ 226.00MHz	N/A	> 17.1 dB	15.4 dB
3,6-5,4	DH	OK	30.9 dB @ 249.00MHz	N/A	> 16.2 dB	14.7 dB
3,6-1,2	DH	OK	39.4 dB @ 180.50MHz	N/A	> 19.0 dB	20.4 dB
5,4-7,8	DH	OK	41.0 dB @ 172.00MHz	N/A	> 19.4 dB	21.6 dB
5,4-3,6	DH	OK	30.7 dB @ 249.00MHz	N/A	> 16.2 dB	14.5 dB
5,4-1,2	DH	OK	40.2 dB @ 226.50MHz	N/A	> 17.1 dB	23.1 dB
1,2-7,8	DH	OK	40.2 dB @ 191.50MHz	N/A	> 18.5 dB	21.7 dB
1,2-3,6	DH	OK	39.0 dB @ 181.00MHz	N/A	> 19.0 dB	20.0 dB
1,2-5,4	DH	OK	39.0 dB @ 234.00MHz	N/A	> 16.8 dB	22.2 dB
7,8-3,6	RH	OK	32.9 dB @ 226.00MHz	N/A	> 17.1 dB	15.8 dB
7,8-5,4	RH	OK	41.4 dB @ 217.00MHz	N/A	> 17.4 dB	24.0 dB
7,8-1,2	RH	OK	40.9 dB @ 226.00MHz	N/A	> 17.1 dB	23.8 dB
3,6-7,8	RH	OK	32.4 dB @ 229.50MHz	N/A	> 16.9 dB	15.5 dB
3,6-5,4	RH	OK	30.9 dB @ 246.50MHz	N/A	> 16.3 dB	14.6 dB
3,6-1,2	RH	OK	38.7 dB @ 180.50MHz	N/A	> 19.0 dB	19.7 dB
5,4-7,8	RH	OK	40.8 dB @ 172.00MHz	N/A	> 19.4 dB	21.4 dB
5,4-3,6	RH	OK	30.4 dB @ 249.00MHz	N/A	> 16.2 dB	14.2 dB
5,4-1,2	RH	OK	40.2 dB @ 227.50MHz	N/A	> 17.0 dB	23.2 dB
1,2-7,8	RH	OK	40.8 dB @ 193.00MHz	N/A	> 18.5 dB	22.3 dB
1,2-3,6	RH	OK	39.5 dB @ 181.00MHz	N/A	> 19.0 dB	20.5 dB
1,2-5,4	RH	OK	39.8 dB @ 233.50MHz	N/A	> 16.8 dB	23.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 235.00MHz	N/A	> 32.8 dB	8.5 dB
3,6	DH	OK	39.5 dB @ 241.50MHz	N/A	> 32.6 dB	6.9 dB
5,4	DH	OK	48.0 dB @ 230.50MHz	N/A	> 32.9 dB	15.1 dB
1,2	DH	OK	42.5 dB @ 249.00MHz	N/A	> 32.3 dB	10.2 dB
7,8	RH	OK	44.7 dB @ 231.50MHz	N/A	> 32.9 dB	11.8 dB
3,6	RH	OK	42.8 dB @ 227.00MHz	N/A	> 33.0 dB	9.8 dB
5,4	RH	OK	45.5 dB @ 230.50MHz	N/A	> 32.9 dB	12.6 dB
1,2	RH	OK	43.0 dB @ 233.50MHz	N/A	> 32.8 dB	10.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.4 dB @ 235.00MHz	N/A	>= 2.8 dB	27.6 dB
3,6	DH	OK	27.9 dB @ 241.50MHz	N/A	>= 2.1 dB	25.8 dB
5,4	DH	OK	36.6 dB @ 249.00MHz	N/A	>= 1.2 dB	35.4 dB
1,2	DH	OK	31.6 dB @ 248.50MHz	N/A	>= 1.4 dB	30.2 dB
7,8	RH	OK	34.0 dB @ 231.50MHz	N/A	>= 3.1 dB	30.9 dB
3,6	RH	OK	31.6 dB @ 227.00MHz	N/A	>= 3.5 dB	28.1 dB
5,4	RH	OK	34.5 dB @ 230.00MHz	N/A	>= 3.2 dB	31.3 dB
1,2	RH	OK	32.0 dB @ 226.50MHz	N/A	>= 3.6 dB	28.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.0 dB @ 226.00MHz	N/A	>= 14.1 dB	17.9 dB
3,6	DH	OK	29.2 dB @ 249.00MHz	N/A	>= 13.2 dB	16.0 dB
5,4	DH	OK	30.2 dB @ 249.00MHz	N/A	>= 13.2 dB	17.0 dB
1,2	DH	OK	35.7 dB @ 226.50MHz	N/A	>= 14.1 dB	21.6 dB
7,8	RH	OK	31.8 dB @ 226.00MHz	N/A	>= 14.1 dB	17.7 dB
3,6	RH	OK	29.2 dB @ 246.50MHz	N/A	>= 13.3 dB	15.9 dB
5,4	RH	OK	29.8 dB @ 249.00MHz	N/A	>= 13.2 dB	16.6 dB
1,2	RH	OK	36.6 dB @ 226.50MHz	N/A	>= 14.1 dB	22.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0148  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:02:08  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.5m	37.4m	38.3m	36.5m	< 90.0m	OK
Ritardo di propag.	184.1ns	188.3ns	192.3ns	184.2ns	< 510.0ns	OK
Diff. t. ritardo	8.2ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.5 Ohm	98.6 Ohm	101.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.7 Ohm	8.4 Ohm	9.5 Ohm	8.2 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.5pF/m	47.8pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	9.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.2 dB @ 234.00MHz	N/A	> 35.8 dB	5.4 dB
7,8-5,4	DH	OK	52.8 dB @ 232.00MHz	N/A	> 35.8 dB	17.0 dB
7,8-1,2	DH	OK	60.3 dB @ 242.50MHz	N/A	> 35.5 dB	24.8 dB
3,6-5,4	DH	OK	51.6 dB @ 232.50MHz	N/A	> 35.8 dB	15.8 dB
3,6-1,2	DH	OK	45.2 dB @ 250.00MHz	N/A	> 35.3 dB	9.9 dB
5,4-1,2	DH	OK	51.3 dB @ 246.50MHz	N/A	> 35.4 dB	15.9 dB
7,8-3,6	RH	OK	47.4 dB @ 231.50MHz	N/A	> 35.9 dB	11.5 dB
7,8-5,4	RH	OK	46.8 dB @ 233.00MHz	N/A	> 35.8 dB	11.0 dB
7,8-1,2	RH	OK	50.7 dB @ 241.50MHz	N/A	> 35.6 dB	15.1 dB
3,6-5,4	RH	OK	52.9 dB @ 240.50MHz	N/A	> 35.6 dB	17.3 dB
3,6-1,2	RH	OK	45.4 dB @ 226.00MHz	N/A	> 36.0 dB	9.4 dB
5,4-1,2	RH	OK	52.3 dB @ 206.50MHz	N/A	> 36.7 dB	15.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 229.00MHz	N/A	> 10.4 dB	6.0 dB
3,6	DH	OK	16.2 dB @ 235.00MHz	N/A	> 10.3 dB	5.9 dB
5,4	DH	OK	16.7 dB @ 233.50MHz	N/A	> 10.3 dB	6.4 dB
1,2	DH	OK	16.5 dB @ 222.50MHz	N/A	> 10.5 dB	6.0 dB
7,8	RH	OK	16.0 dB @ 223.00MHz	N/A	> 10.5 dB	5.5 dB
3,6	RH	OK	15.9 dB @ 224.00MHz	N/A	> 10.5 dB	5.4 dB
5,4	RH	OK	17.3 dB @ 233.00MHz	N/A	> 10.3 dB	7.0 dB
1,2	RH	OK	17.1 dB @ 163.50MHz	N/A	> 11.9 dB	5.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.6 dB @ 235.00MHz	N/A	< 30.0 dB	18.4 dB
3,6	OK	12.1 dB @ 247.00MHz	N/A	< 30.9 dB	18.8 dB
5,4	OK	12.0 dB @ 243.50MHz	N/A	< 30.7 dB	18.7 dB
1,2	OK	11.8 dB @ 224.00MHz	N/A	< 29.2 dB	17.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	29.9 dB @ 234.00MHz	N/A	>= 5.8 dB	24.1 dB
3,6	DH	OK	29.7 dB @ 231.00MHz	N/A	>= 6.1 dB	23.6 dB
5,4	DH	OK	39.7 dB @ 247.00MHz	N/A	>= 4.5 dB	35.2 dB
1,2	DH	OK	34.3 dB @ 249.00MHz	N/A	>= 4.2 dB	30.1 dB
7,8	RH	OK	35.8 dB @ 236.00MHz	N/A	>= 5.6 dB	30.2 dB
3,6	RH	OK	34.1 dB @ 226.00MHz	N/A	>= 6.6 dB	27.5 dB
5,4	RH	OK	35.4 dB @ 236.00MHz	N/A	>= 5.6 dB	29.8 dB
1,2	RH	OK	34.8 dB @ 226.00MHz	N/A	>= 6.6 dB	28.2 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0148  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:02:08  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.9 dB @ 247.00MHz	N/A	> 16.3 dB	16.6 dB
7,8-5,4	DH	OK	40.0 dB @ 230.00MHz	N/A	> 16.9 dB	23.1 dB
7,8-1,2	DH	OK	41.4 dB @ 203.50MHz	N/A	> 18.0 dB	23.4 dB
3,6-7,8	DH	OK	31.5 dB @ 234.00MHz	N/A	> 16.8 dB	14.7 dB
3,6-5,4	DH	OK	31.8 dB @ 249.00MHz	N/A	> 16.2 dB	15.6 dB
3,6-1,2	DH	OK	45.9 dB @ 165.50MHz	N/A	> 19.8 dB	26.1 dB
5,4-7,8	DH	OK	38.5 dB @ 248.50MHz	N/A	> 16.3 dB	22.2 dB
5,4-3,6	DH	OK	31.7 dB @ 247.00MHz	N/A	> 16.3 dB	15.4 dB
5,4-1,2	DH	OK	38.1 dB @ 224.00MHz	N/A	> 17.2 dB	20.9 dB
1,2-7,8	DH	OK	40.8 dB @ 204.00MHz	N/A	> 18.0 dB	22.8 dB
1,2-3,6	DH	OK	44.3 dB @ 183.50MHz	N/A	> 18.9 dB	25.4 dB
1,2-5,4	DH	OK	37.7 dB @ 225.00MHz	N/A	> 17.1 dB	20.6 dB
7,8-3,6	RH	OK	33.4 dB @ 248.50MHz	N/A	> 16.3 dB	17.1 dB
7,8-5,4	RH	OK	40.3 dB @ 234.00MHz	N/A	> 16.8 dB	23.5 dB
7,8-1,2	RH	OK	41.2 dB @ 207.50MHz	N/A	> 17.8 dB	23.4 dB
3,6-7,8	RH	OK	31.3 dB @ 237.00MHz	N/A	> 16.7 dB	14.6 dB
3,6-5,4	RH	OK	31.7 dB @ 247.00MHz	N/A	> 16.3 dB	15.4 dB
3,6-1,2	RH	OK	45.4 dB @ 165.50MHz	N/A	> 19.8 dB	25.6 dB
5,4-7,8	RH	OK	38.2 dB @ 247.00MHz	N/A	> 16.3 dB	21.9 dB
5,4-3,6	RH	OK	31.6 dB @ 249.00MHz	N/A	> 16.2 dB	15.4 dB
5,4-1,2	RH	OK	37.8 dB @ 230.00MHz	N/A	> 16.9 dB	20.9 dB
1,2-7,8	RH	OK	41.2 dB @ 203.50MHz	N/A	> 18.0 dB	23.2 dB
1,2-3,6	RH	OK	44.8 dB @ 180.50MHz	N/A	> 19.0 dB	25.8 dB
1,2-5,4	RH	OK	37.4 dB @ 224.00MHz	N/A	> 17.2 dB	20.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.0 dB @ 234.00MHz	N/A	> 32.8 dB	8.2 dB
3,6	DH	OK	40.4 dB @ 234.00MHz	N/A	> 32.8 dB	7.6 dB
5,4	DH	OK	48.6 dB @ 229.50MHz	N/A	> 32.9 dB	15.7 dB
1,2	DH	OK	44.2 dB @ 250.00MHz	N/A	> 32.3 dB	11.9 dB
7,8	RH	OK	44.1 dB @ 233.00MHz	N/A	> 32.8 dB	11.3 dB
3,6	RH	OK	43.4 dB @ 231.50MHz	N/A	> 32.9 dB	10.5 dB
5,4	RH	OK	45.9 dB @ 233.00MHz	N/A	> 32.8 dB	13.1 dB
1,2	RH	OK	44.8 dB @ 226.00MHz	N/A	> 33.0 dB	11.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.7 dB @ 234.00MHz	N/A	>= 2.8 dB	26.9 dB
3,6	DH	OK	28.9 dB @ 237.00MHz	N/A	>= 2.5 dB	26.4 dB
5,4	DH	OK	37.1 dB @ 226.50MHz	N/A	>= 3.6 dB	33.5 dB
1,2	DH	OK	33.4 dB @ 249.00MHz	N/A	>= 1.2 dB	32.2 dB
7,8	RH	OK	32.9 dB @ 234.00MHz	N/A	>= 2.8 dB	30.1 dB
3,6	RH	OK	31.9 dB @ 231.00MHz	N/A	>= 3.1 dB	28.8 dB
5,4	RH	OK	34.7 dB @ 236.00MHz	N/A	>= 2.6 dB	32.1 dB
1,2	RH	OK	34.2 dB @ 226.00MHz	N/A	>= 3.6 dB	30.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.7 dB @ 234.00MHz	N/A	>= 13.8 dB	16.9 dB
3,6	DH	OK	29.1 dB @ 247.00MHz	N/A	>= 13.3 dB	15.8 dB
5,4	DH	OK	30.6 dB @ 249.00MHz	N/A	>= 13.2 dB	17.4 dB
1,2	DH	OK	36.4 dB @ 224.00MHz	N/A	>= 14.2 dB	22.2 dB
7,8	RH	OK	32.2 dB @ 248.50MHz	N/A	>= 13.3 dB	18.9 dB
3,6	RH	OK	28.7 dB @ 247.00MHz	N/A	>= 13.3 dB	15.4 dB
5,4	RH	OK	30.3 dB @ 249.00MHz	N/A	>= 13.2 dB	17.1 dB
1,2	RH	OK	36.0 dB @ 224.00MHz	N/A	>= 14.2 dB	21.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

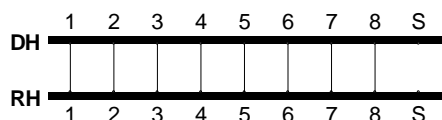
ID cavo 1: 0149  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:03:12  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.3m	37.3m	38.2m	36.3m	< 90.0m	OK
Ritardo di propag.	183.1ns	187.7ns	192.1ns	183.0ns	< 510.0ns	OK
Diff. t. ritardo	9.1ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.5 Ohm	100.0 Ohm	97.3 Ohm	102.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.1 Ohm	8.4 Ohm	9.8 Ohm	8.3 Ohm	< 20.0 Ohm	OK
Capacità	47.0pF/m	47.2pF/m	48.6pF/m	46.2pF/m	< 66.0pF/m	OK
Riserva	9.8 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.6 dB @ 249.50MHz	N/A	> 35.3 dB	5.3 dB
7,8-5,4	DH	OK	52.3 dB @ 233.00MHz	N/A	> 35.8 dB	16.5 dB
7,8-1,2	DH	OK	55.8 dB @ 229.00MHz	N/A	> 35.9 dB	19.9 dB
3,6-5,4	DH	OK	51.4 dB @ 233.00MHz	N/A	> 35.8 dB	15.6 dB
3,6-1,2	DH	OK	48.6 dB @ 244.00MHz	N/A	> 35.5 dB	13.1 dB
5,4-1,2	DH	OK	49.3 dB @ 216.00MHz	N/A	> 36.4 dB	12.9 dB
7,8-3,6	RH	OK	47.6 dB @ 127.50MHz	N/A	> 40.1 dB	7.5 dB
7,8-5,4	RH	OK	45.7 dB @ 232.50MHz	N/A	> 35.8 dB	9.9 dB
7,8-1,2	RH	OK	51.6 dB @ 167.00MHz	N/A	> 38.2 dB	13.4 dB
3,6-5,4	RH	OK	50.4 dB @ 238.00MHz	N/A	> 35.7 dB	14.7 dB
3,6-1,2	RH	OK	47.7 dB @ 224.50MHz	N/A	> 36.1 dB	11.6 dB
5,4-1,2	RH	OK	49.4 dB @ 216.00MHz	N/A	> 36.4 dB	13.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.2 dB @ 222.00MHz	N/A	> 10.5 dB	3.7 dB
3,6	DH	OK	16.0 dB @ 225.00MHz	N/A	> 10.5 dB	5.5 dB
5,4	DH	OK	16.4 dB @ 229.00MHz	N/A	> 10.4 dB	6.0 dB
1,2	DH	OK	15.6 dB @ 223.50MHz	N/A	> 10.5 dB	5.1 dB
7,8	RH	OK	14.1 dB @ 227.00MHz	N/A	> 10.4 dB	3.7 dB
3,6	RH	OK	17.4 dB @ 164.50MHz	N/A	> 11.8 dB	5.6 dB
5,4	RH	OK	17.9 dB @ 226.00MHz	N/A	> 10.4 dB	7.5 dB
1,2	RH	OK	15.6 dB @ 217.50MHz	N/A	> 10.6 dB	5.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	12.0 dB @ 234.50MHz	N/A	< 30.0 dB	18.0 dB
3,6	OK	12.0 dB @ 248.00MHz	N/A	< 31.0 dB	19.0 dB
5,4	OK	12.2 dB @ 249.50MHz	N/A	< 31.1 dB	18.9 dB
1,2	OK	11.1 dB @ 249.50MHz	N/A	< 31.1 dB	20.0 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	29.3 dB @ 249.50MHz	N/A	>= 4.2 dB	25.1 dB
3,6	DH	OK	29.3 dB @ 249.50MHz	N/A	>= 4.2 dB	25.1 dB
5,4	DH	OK	37.8 dB @ 216.00MHz	N/A	>= 7.8 dB	30.0 dB
1,2	DH	OK	38.0 dB @ 244.00MHz	N/A	>= 4.8 dB	33.2 dB
7,8	RH	OK	34.5 dB @ 224.50MHz	N/A	>= 6.8 dB	27.7 dB
3,6	RH	OK	36.5 dB @ 225.00MHz	N/A	>= 6.8 dB	29.7 dB
5,4	RH	OK	34.3 dB @ 232.00MHz	N/A	>= 6.0 dB	28.3 dB
1,2	RH	OK	37.4 dB @ 224.50MHz	N/A	>= 6.8 dB	30.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0149  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:03:12  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.0 dB @ 248.50MHz	N/A	> 16.3 dB	17.7 dB
7,8-5,4	DH	OK	42.3 dB @ 232.00MHz	N/A	> 16.9 dB	25.4 dB
7,8-1,2	DH	OK	40.3 dB @ 249.50MHz	N/A	> 16.2 dB	24.1 dB
3,6-7,8	DH	OK	31.2 dB @ 234.50MHz	N/A	> 16.8 dB	14.4 dB
3,6-5,4	DH	OK	31.2 dB @ 249.50MHz	N/A	> 16.2 dB	15.0 dB
3,6-1,2	DH	OK	42.2 dB @ 217.00MHz	N/A	> 17.4 dB	24.8 dB
5,4-7,8	DH	OK	41.6 dB @ 249.50MHz	N/A	> 16.2 dB	25.4 dB
5,4-3,6	DH	OK	32.0 dB @ 248.50MHz	N/A	> 16.3 dB	15.7 dB
5,4-1,2	DH	OK	38.7 dB @ 227.00MHz	N/A	> 17.0 dB	21.7 dB
1,2-7,8	DH	OK	39.3 dB @ 234.50MHz	N/A	> 16.8 dB	22.5 dB
1,2-3,6	DH	OK	45.2 dB @ 250.00MHz	N/A	> 16.2 dB	29.0 dB
1,2-5,4	DH	OK	37.1 dB @ 232.00MHz	N/A	> 16.9 dB	20.2 dB
7,8-3,6	RH	OK	34.0 dB @ 223.50MHz	N/A	> 17.2 dB	16.8 dB
7,8-5,4	RH	OK	43.0 dB @ 232.50MHz	N/A	> 16.8 dB	26.2 dB
7,8-1,2	RH	OK	40.1 dB @ 249.50MHz	N/A	> 16.2 dB	23.9 dB
3,6-7,8	RH	OK	31.7 dB @ 234.50MHz	N/A	> 16.8 dB	14.9 dB
3,6-5,4	RH	OK	31.5 dB @ 248.00MHz	N/A	> 16.3 dB	15.2 dB
3,6-1,2	RH	OK	41.5 dB @ 229.50MHz	N/A	> 16.9 dB	24.6 dB
5,4-7,8	RH	OK	40.7 dB @ 249.50MHz	N/A	> 16.2 dB	24.5 dB
5,4-3,6	RH	OK	31.4 dB @ 249.50MHz	N/A	> 16.2 dB	15.2 dB
5,4-1,2	RH	OK	37.6 dB @ 216.00MHz	N/A	> 17.5 dB	20.1 dB
1,2-7,8	RH	OK	39.6 dB @ 249.50MHz	N/A	> 16.2 dB	23.4 dB
1,2-3,6	RH	OK	45.9 dB @ 249.50MHz	N/A	> 16.2 dB	29.7 dB
1,2-5,4	RH	OK	38.2 dB @ 232.50MHz	N/A	> 16.8 dB	21.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.5 dB @ 249.50MHz	N/A	> 32.3 dB	8.2 dB
3,6	DH	OK	40.0 dB @ 249.50MHz	N/A	> 32.3 dB	7.7 dB
5,4	DH	OK	47.9 dB @ 233.00MHz	N/A	> 32.8 dB	15.1 dB
1,2	DH	OK	46.2 dB @ 244.00MHz	N/A	> 32.5 dB	13.7 dB
7,8	RH	OK	43.9 dB @ 232.50MHz	N/A	> 32.8 dB	11.1 dB
3,6	RH	OK	45.0 dB @ 235.00MHz	N/A	> 32.8 dB	12.2 dB
5,4	RH	OK	44.5 dB @ 241.00MHz	N/A	> 32.6 dB	11.9 dB
1,2	RH	OK	46.4 dB @ 213.00MHz	N/A	> 33.5 dB	12.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.2 dB @ 249.50MHz	N/A	>= 1.2 dB	28.0 dB
3,6	DH	OK	28.7 dB @ 249.50MHz	N/A	>= 1.2 dB	27.5 dB
5,4	DH	OK	36.5 dB @ 242.00MHz	N/A	>= 1.9 dB	34.6 dB
1,2	DH	OK	35.6 dB @ 244.00MHz	N/A	>= 1.8 dB	33.8 dB
7,8	RH	OK	32.9 dB @ 232.50MHz	N/A	>= 2.9 dB	30.0 dB
3,6	RH	OK	33.4 dB @ 235.00MHz	N/A	>= 2.8 dB	30.6 dB
5,4	RH	OK	32.8 dB @ 240.00MHz	N/A	>= 2.2 dB	30.6 dB
1,2	RH	OK	35.6 dB @ 246.50MHz	N/A	>= 1.5 dB	34.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.3 dB @ 234.50MHz	N/A	>= 13.8 dB	16.5 dB
3,6	DH	OK	29.7 dB @ 248.50MHz	N/A	>= 13.3 dB	16.4 dB
5,4	DH	OK	30.2 dB @ 249.50MHz	N/A	>= 13.2 dB	17.0 dB
1,2	DH	OK	35.7 dB @ 227.00MHz	N/A	>= 14.0 dB	21.7 dB
7,8	RH	OK	32.8 dB @ 223.50MHz	N/A	>= 14.2 dB	18.6 dB
3,6	RH	OK	28.9 dB @ 248.00MHz	N/A	>= 13.3 dB	15.6 dB
5,4	RH	OK	30.5 dB @ 249.50MHz	N/A	>= 13.2 dB	17.3 dB
1,2	RH	OK	36.3 dB @ 249.50MHz	N/A	>= 13.2 dB	23.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0150  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:04:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.2m	37.2m	38.0m	36.2m	< 90.0m	OK
Ritardo di propag.	182.6ns	187.2ns	190.9ns	182.8ns	< 510.0ns	OK
Diff. t. ritardo	8.3ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.0 Ohm	99.2 Ohm	98.9 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.0 Ohm	8.5 Ohm	9.2 Ohm	8.4 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.5pF/m	47.7pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	8.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.7 dB @ 238.50MHz	N/A	> 35.7 dB	6.0 dB
7,8-5,4	DH	OK	53.3 dB @ 231.50MHz	N/A	> 35.9 dB	17.4 dB
7,8-1,2	DH	OK	59.6 dB @ 217.50MHz	N/A	> 36.3 dB	23.3 dB
3,6-5,4	DH	OK	50.9 dB @ 231.00MHz	N/A	> 35.9 dB	15.0 dB
3,6-1,2	DH	OK	45.7 dB @ 241.00MHz	N/A	> 35.6 dB	10.1 dB
5,4-1,2	DH	OK	49.3 dB @ 248.50MHz	N/A	> 35.4 dB	13.9 dB
7,8-3,6	RH	OK	45.4 dB @ 227.50MHz	N/A	> 36.0 dB	9.4 dB
7,8-5,4	RH	OK	46.7 dB @ 237.50MHz	N/A	> 35.7 dB	11.0 dB
7,8-1,2	RH	OK	50.5 dB @ 241.50MHz	N/A	> 35.6 dB	14.9 dB
3,6-5,4	RH	OK	50.7 dB @ 245.50MHz	N/A	> 35.4 dB	15.3 dB
3,6-1,2	RH	OK	46.3 dB @ 228.50MHz	N/A	> 36.0 dB	10.3 dB
5,4-1,2	RH	OK	51.9 dB @ 202.00MHz	N/A	> 36.8 dB	15.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.8 dB @ 219.00MHz	N/A	> 10.6 dB	5.2 dB
3,6	DH	OK	16.4 dB @ 223.00MHz	N/A	> 10.5 dB	5.9 dB
5,4	DH	OK	16.9 dB @ 232.50MHz	N/A	> 10.3 dB	6.6 dB
1,2	DH	OK	17.5 dB @ 218.50MHz	N/A	> 10.6 dB	6.9 dB
7,8	RH	OK	15.5 dB @ 225.00MHz	N/A	> 10.5 dB	5.0 dB
3,6	RH	OK	16.9 dB @ 223.00MHz	N/A	> 10.5 dB	6.4 dB
5,4	RH	OK	19.8 dB @ 216.00MHz	N/A	> 10.6 dB	9.2 dB
1,2	RH	OK	16.3 dB @ 157.00MHz	N/A	> 12.0 dB	4.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.8 dB @ 246.50MHz	N/A	< 30.9 dB	19.1 dB
3,6	OK	12.4 dB @ 237.00MHz	N/A	< 30.2 dB	17.8 dB
5,4	OK	11.8 dB @ 239.50MHz	N/A	< 30.4 dB	18.6 dB
1,2	OK	11.2 dB @ 248.50MHz	N/A	< 31.0 dB	19.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.7 dB @ 232.50MHz	N/A	>= 5.9 dB	24.8 dB
3,6	DH	OK	30.3 dB @ 238.50MHz	N/A	>= 5.4 dB	24.9 dB
5,4	DH	OK	37.7 dB @ 248.50MHz	N/A	>= 4.4 dB	33.3 dB
1,2	DH	OK	35.0 dB @ 241.00MHz	N/A	>= 5.1 dB	29.9 dB
7,8	RH	OK	34.1 dB @ 227.50MHz	N/A	>= 6.5 dB	27.6 dB
3,6	RH	OK	34.3 dB @ 227.50MHz	N/A	>= 6.5 dB	27.8 dB
5,4	RH	OK	35.4 dB @ 241.00MHz	N/A	>= 5.1 dB	30.3 dB
1,2	RH	OK	35.7 dB @ 228.00MHz	N/A	>= 6.5 dB	29.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0150  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:04:15  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.8 dB @ 249.50MHz	N/A	> 16.2 dB	15.6 dB
7,8-5,4	DH	OK	45.0 dB @ 165.00MHz	N/A	> 19.8 dB	25.2 dB
7,8-1,2	DH	OK	40.2 dB @ 247.00MHz	N/A	> 16.3 dB	23.9 dB
3,6-7,8	DH	OK	30.2 dB @ 232.50MHz	N/A	> 16.8 dB	13.4 dB
3,6-5,4	DH	OK	31.9 dB @ 250.00MHz	N/A	> 16.2 dB	15.7 dB
3,6-1,2	DH	OK	42.3 dB @ 184.50MHz	N/A	> 18.8 dB	23.5 dB
5,4-7,8	DH	OK	43.8 dB @ 169.00MHz	N/A	> 19.6 dB	24.2 dB
5,4-3,6	DH	OK	31.5 dB @ 237.00MHz	N/A	> 16.7 dB	14.8 dB
5,4-1,2	DH	OK	37.4 dB @ 232.50MHz	N/A	> 16.8 dB	20.6 dB
1,2-7,8	DH	OK	39.5 dB @ 248.50MHz	N/A	> 16.3 dB	23.2 dB
1,2-3,6	DH	OK	43.6 dB @ 175.00MHz	N/A	> 19.3 dB	24.3 dB
1,2-5,4	DH	OK	36.2 dB @ 239.50MHz	N/A	> 16.6 dB	19.6 dB
7,8-3,6	RH	OK	32.2 dB @ 246.50MHz	N/A	> 16.3 dB	15.9 dB
7,8-5,4	RH	OK	45.1 dB @ 165.00MHz	N/A	> 19.8 dB	25.3 dB
7,8-1,2	RH	OK	39.7 dB @ 246.50MHz	N/A	> 16.3 dB	23.4 dB
3,6-7,8	RH	OK	29.3 dB @ 237.00MHz	N/A	> 16.7 dB	12.6 dB
3,6-5,4	RH	OK	31.8 dB @ 250.00MHz	N/A	> 16.2 dB	15.6 dB
3,6-1,2	RH	OK	41.7 dB @ 184.50MHz	N/A	> 18.8 dB	22.9 dB
5,4-7,8	RH	OK	43.6 dB @ 168.00MHz	N/A	> 19.7 dB	23.9 dB
5,4-3,6	RH	OK	31.8 dB @ 246.50MHz	N/A	> 16.3 dB	15.5 dB
5,4-1,2	RH	OK	36.9 dB @ 237.00MHz	N/A	> 16.7 dB	20.2 dB
1,2-7,8	RH	OK	39.5 dB @ 248.50MHz	N/A	> 16.3 dB	23.2 dB
1,2-3,6	RH	OK	44.4 dB @ 175.50MHz	N/A	> 19.3 dB	25.1 dB
1,2-5,4	RH	OK	37.0 dB @ 233.50MHz	N/A	> 16.8 dB	20.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.5 dB @ 238.50MHz	N/A	> 32.7 dB	8.8 dB
3,6	DH	OK	40.9 dB @ 238.50MHz	N/A	> 32.7 dB	8.2 dB
5,4	DH	OK	48.5 dB @ 248.50MHz	N/A	> 32.4 dB	16.1 dB
1,2	DH	OK	44.9 dB @ 241.00MHz	N/A	> 32.6 dB	12.3 dB
7,8	RH	OK	42.9 dB @ 241.00MHz	N/A	> 32.6 dB	10.3 dB
3,6	RH	OK	42.7 dB @ 228.00MHz	N/A	> 33.0 dB	9.7 dB
5,4	RH	OK	45.4 dB @ 242.00MHz	N/A	> 32.5 dB	12.9 dB
1,2	RH	OK	45.4 dB @ 228.50MHz	N/A	> 33.0 dB	12.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.5 dB @ 232.50MHz	N/A	>= 2.9 dB	27.6 dB
3,6	DH	OK	29.0 dB @ 239.50MHz	N/A	>= 2.2 dB	26.8 dB
5,4	DH	OK	36.9 dB @ 248.50MHz	N/A	>= 1.4 dB	35.5 dB
1,2	DH	OK	33.9 dB @ 243.00MHz	N/A	>= 1.9 dB	32.0 dB
7,8	RH	OK	31.7 dB @ 241.50MHz	N/A	>= 2.1 dB	29.6 dB
3,6	RH	OK	31.5 dB @ 228.00MHz	N/A	>= 3.5 dB	28.0 dB
5,4	RH	OK	34.0 dB @ 241.00MHz	N/A	>= 2.1 dB	31.9 dB
1,2	RH	OK	34.8 dB @ 228.00MHz	N/A	>= 3.5 dB	31.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.9 dB @ 232.50MHz	N/A	>= 13.8 dB	16.1 dB
3,6	DH	OK	28.6 dB @ 249.50MHz	N/A	>= 13.2 dB	15.4 dB
5,4	DH	OK	30.6 dB @ 249.00MHz	N/A	>= 13.2 dB	17.4 dB
1,2	DH	OK	35.3 dB @ 232.50MHz	N/A	>= 13.8 dB	21.5 dB
7,8	RH	OK	31.4 dB @ 246.50MHz	N/A	>= 13.3 dB	18.1 dB
3,6	RH	OK	27.6 dB @ 237.00MHz	N/A	>= 13.7 dB	13.9 dB
5,4	RH	OK	30.8 dB @ 248.00MHz	N/A	>= 13.3 dB	17.5 dB
1,2	RH	OK	35.2 dB @ 248.50MHz	N/A	>= 13.3 dB	21.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0151  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:05:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	35.9m	36.9m	37.6m	36.0m	< 90.0m	OK
Ritardo di propag.	181.4ns	186.0ns	189.1ns	181.7ns	< 510.0ns	OK
Diff. t. ritardo	7.7ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.7 Ohm	100.3 Ohm	99.6 Ohm	101.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.0 Ohm	8.7 Ohm	9.2 Ohm	8.6 Ohm	< 20.0 Ohm	OK
Capacità	46.9pF/m	47.1pF/m	47.4pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	9.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.4 dB @ 241.00MHz	N/A	> 35.6 dB	4.8 dB
7,8-5,4	DH	OK	49.5 dB @ 230.50MHz	N/A	> 35.9 dB	13.6 dB
7,8-1,2	DH	OK	57.6 dB @ 156.50MHz	N/A	> 38.6 dB	19.0 dB
3,6-5,4	DH	OK	49.9 dB @ 233.50MHz	N/A	> 35.8 dB	14.1 dB
3,6-1,2	DH	OK	45.5 dB @ 248.00MHz	N/A	> 35.4 dB	10.1 dB
5,4-1,2	DH	OK	47.7 dB @ 239.50MHz	N/A	> 35.6 dB	12.1 dB
7,8-3,6	RH	OK	45.5 dB @ 231.50MHz	N/A	> 35.9 dB	9.6 dB
7,8-5,4	RH	OK	43.5 dB @ 231.50MHz	N/A	> 35.9 dB	7.6 dB
7,8-1,2	RH	OK	51.1 dB @ 168.50MHz	N/A	> 38.1 dB	13.0 dB
3,6-5,4	RH	OK	50.9 dB @ 241.50MHz	N/A	> 35.6 dB	15.3 dB
3,6-1,2	RH	OK	49.6 dB @ 209.00MHz	N/A	> 36.6 dB	13.0 dB
5,4-1,2	RH	OK	49.9 dB @ 249.00MHz	N/A	> 35.3 dB	14.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.5 dB @ 226.00MHz	N/A	> 10.4 dB	6.1 dB
3,6	DH	OK	15.7 dB @ 224.50MHz	N/A	> 10.5 dB	5.2 dB
5,4	DH	OK	16.8 dB @ 229.00MHz	N/A	> 10.4 dB	6.4 dB
1,2	DH	OK	17.8 dB @ 226.00MHz	N/A	> 10.4 dB	7.4 dB
7,8	RH	OK	15.6 dB @ 226.50MHz	N/A	> 10.4 dB	5.2 dB
3,6	RH	OK	15.7 dB @ 224.00MHz	N/A	> 10.5 dB	5.2 dB
5,4	RH	OK	18.4 dB @ 221.00MHz	N/A	> 10.5 dB	7.9 dB
1,2	RH	OK	16.1 dB @ 226.00MHz	N/A	> 10.4 dB	5.7 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.6 dB @ 246.00MHz	N/A	< 30.9 dB	19.3 dB
3,6	OK	11.8 dB @ 246.50MHz	N/A	< 30.9 dB	19.1 dB
5,4	OK	11.8 dB @ 237.50MHz	N/A	< 30.2 dB	18.4 dB
1,2	OK	11.2 dB @ 248.50MHz	N/A	< 31.0 dB	19.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	29.4 dB @ 241.00MHz	N/A	>= 5.1 dB	24.3 dB
3,6	DH	OK	29.1 dB @ 241.00MHz	N/A	>= 5.1 dB	24.0 dB
5,4	DH	OK	36.3 dB @ 239.50MHz	N/A	>= 5.2 dB	31.1 dB
1,2	DH	OK	34.4 dB @ 248.50MHz	N/A	>= 4.4 dB	30.0 dB
7,8	RH	OK	32.4 dB @ 231.00MHz	N/A	>= 6.1 dB	26.3 dB
3,6	RH	OK	34.4 dB @ 223.00MHz	N/A	>= 6.9 dB	27.5 dB
5,4	RH	OK	32.9 dB @ 231.50MHz	N/A	>= 6.1 dB	26.8 dB
1,2	RH	OK	39.0 dB @ 249.00MHz	N/A	>= 4.2 dB	34.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0151  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:05:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.2 dB @ 223.00MHz	N/A	> 17.2 dB	16.0 dB
7,8-5,4	DH	OK	42.5 dB @ 157.50MHz	N/A	> 20.2 dB	22.3 dB
7,8-1,2	DH	OK	51.3 dB @ 210.00MHz	N/A	> 17.7 dB	33.6 dB
3,6-7,8	DH	OK	32.4 dB @ 231.00MHz	N/A	> 16.9 dB	15.5 dB
3,6-5,4	DH	OK	27.7 dB @ 249.50MHz	N/A	> 16.2 dB	11.5 dB
3,6-1,2	DH	OK	47.2 dB @ 182.50MHz	N/A	> 18.9 dB	28.3 dB
5,4-7,8	DH	OK	41.5 dB @ 162.50MHz	N/A	> 19.9 dB	21.6 dB
5,4-3,6	DH	OK	27.8 dB @ 249.50MHz	N/A	> 16.2 dB	11.6 dB
5,4-1,2	DH	OK	38.5 dB @ 228.50MHz	N/A	> 17.0 dB	21.5 dB
1,2-7,8	DH	OK	49.2 dB @ 228.00MHz	N/A	> 17.0 dB	32.2 dB
1,2-3,6	DH	OK	47.7 dB @ 168.00MHz	N/A	> 19.7 dB	28.0 dB
1,2-5,4	DH	OK	38.5 dB @ 237.50MHz	N/A	> 16.7 dB	21.8 dB
7,8-3,6	RH	OK	33.5 dB @ 231.00MHz	N/A	> 16.9 dB	16.6 dB
7,8-5,4	RH	OK	42.4 dB @ 160.50MHz	N/A	> 20.0 dB	22.4 dB
7,8-1,2	RH	OK	51.1 dB @ 210.00MHz	N/A	> 17.7 dB	33.4 dB
3,6-7,8	RH	OK	32.1 dB @ 233.00MHz	N/A	> 16.8 dB	15.3 dB
3,6-5,4	RH	OK	27.6 dB @ 249.50MHz	N/A	> 16.2 dB	11.4 dB
3,6-1,2	RH	OK	46.7 dB @ 182.50MHz	N/A	> 18.9 dB	27.8 dB
5,4-7,8	RH	OK	41.5 dB @ 162.50MHz	N/A	> 19.9 dB	21.6 dB
5,4-3,6	RH	OK	27.9 dB @ 249.50MHz	N/A	> 16.2 dB	11.7 dB
5,4-1,2	RH	OK	38.1 dB @ 227.00MHz	N/A	> 17.0 dB	21.1 dB
1,2-7,8	RH	OK	49.2 dB @ 228.50MHz	N/A	> 17.0 dB	32.2 dB
1,2-3,6	RH	OK	48.0 dB @ 168.00MHz	N/A	> 19.7 dB	28.3 dB
1,2-5,4	RH	OK	39.0 dB @ 225.50MHz	N/A	> 17.1 dB	21.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.3 dB @ 241.00MHz	N/A	> 32.6 dB	7.7 dB
3,6	DH	OK	40.0 dB @ 241.00MHz	N/A	> 32.6 dB	7.4 dB
5,4	DH	OK	46.3 dB @ 239.50MHz	N/A	> 32.6 dB	13.7 dB
1,2	DH	OK	44.5 dB @ 247.00MHz	N/A	> 32.4 dB	12.1 dB
7,8	RH	OK	41.1 dB @ 231.50MHz	N/A	> 32.9 dB	8.2 dB
3,6	RH	OK	44.1 dB @ 229.00MHz	N/A	> 32.9 dB	11.2 dB
5,4	RH	OK	42.8 dB @ 231.50MHz	N/A	> 32.9 dB	9.9 dB
1,2	RH	OK	46.4 dB @ 228.50MHz	N/A	> 33.0 dB	13.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	29.3 dB @ 241.00MHz	N/A	>= 2.1 dB	27.2 dB
3,6	DH	OK	28.7 dB @ 240.50MHz	N/A	>= 2.2 dB	26.5 dB
5,4	DH	OK	34.9 dB @ 239.50MHz	N/A	>= 2.2 dB	32.7 dB
1,2	DH	OK	33.8 dB @ 247.00MHz	N/A	>= 1.5 dB	32.3 dB
7,8	RH	OK	30.1 dB @ 231.00MHz	N/A	>= 3.1 dB	27.0 dB
3,6	RH	OK	32.7 dB @ 229.50MHz	N/A	>= 3.3 dB	29.4 dB
5,4	RH	OK	32.2 dB @ 230.50MHz	N/A	>= 3.2 dB	29.0 dB
1,2	RH	OK	35.5 dB @ 228.50MHz	N/A	>= 3.4 dB	32.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.1 dB @ 231.00MHz	N/A	>= 13.9 dB	18.2 dB
3,6	DH	OK	26.9 dB @ 249.50MHz	N/A	>= 13.2 dB	13.7 dB
5,4	DH	OK	27.3 dB @ 249.50MHz	N/A	>= 13.2 dB	14.1 dB
1,2	DH	OK	38.1 dB @ 225.50MHz	N/A	>= 14.1 dB	24.0 dB
7,8	RH	OK	33.1 dB @ 231.00MHz	N/A	>= 13.9 dB	19.2 dB
3,6	RH	OK	26.7 dB @ 249.50MHz	N/A	>= 13.2 dB	13.5 dB
5,4	RH	OK	27.5 dB @ 249.50MHz	N/A	>= 13.2 dB	14.3 dB
1,2	RH	OK	38.5 dB @ 225.50MHz	N/A	>= 14.1 dB	24.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0152  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:06:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	36.3m	37.2m	38.2m	36.2m	< 90.0m	OK
Ritardo di propag.	183.0ns	187.5ns	191.8ns	182.8ns	< 510.0ns	OK
Diff. t. ritardo	9.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.3 Ohm	99.8 Ohm	97.1 Ohm	102.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.0 Ohm	8.8 Ohm	9.1 Ohm	8.2 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.4pF/m	48.6pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	8.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.9 dB @ 235.00MHz	N/A	> 35.8 dB	6.1 dB
7,8-5,4	DH	OK	50.2 dB @ 165.00MHz	N/A	> 38.3 dB	11.9 dB
7,8-1,2	DH	OK	55.3 dB @ 219.50MHz	N/A	> 36.2 dB	19.1 dB
3,6-5,4	DH	OK	52.1 dB @ 174.50MHz	N/A	> 37.9 dB	14.2 dB
3,6-1,2	DH	OK	47.3 dB @ 246.50MHz	N/A	> 35.4 dB	11.9 dB
5,4-1,2	DH	OK	49.8 dB @ 202.00MHz	N/A	> 36.8 dB	13.0 dB
7,8-3,6	RH	OK	45.8 dB @ 223.50MHz	N/A	> 36.1 dB	9.7 dB
7,8-5,4	RH	OK	46.9 dB @ 234.50MHz	N/A	> 35.8 dB	11.1 dB
7,8-1,2	RH	OK	49.9 dB @ 210.00MHz	N/A	> 36.6 dB	13.3 dB
3,6-5,4	RH	OK	52.1 dB @ 231.00MHz	N/A	> 35.9 dB	16.2 dB
3,6-1,2	RH	OK	46.2 dB @ 249.50MHz	N/A	> 35.3 dB	10.9 dB
5,4-1,2	RH	OK	51.0 dB @ 247.50MHz	N/A	> 35.4 dB	15.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.2 dB @ 227.00MHz	N/A	> 10.4 dB	4.8 dB
3,6	DH	OK	16.1 dB @ 225.50MHz	N/A	> 10.5 dB	5.6 dB
5,4	DH	OK	16.1 dB @ 231.50MHz	N/A	> 10.3 dB	5.8 dB
1,2	DH	OK	17.3 dB @ 218.00MHz	N/A	> 10.6 dB	6.7 dB
7,8	RH	OK	16.0 dB @ 227.00MHz	N/A	> 10.4 dB	5.6 dB
3,6	RH	OK	16.8 dB @ 222.00MHz	N/A	> 10.5 dB	6.3 dB
5,4	RH	OK	17.7 dB @ 229.00MHz	N/A	> 10.4 dB	7.3 dB
1,2	RH	OK	17.0 dB @ 218.50MHz	N/A	> 10.6 dB	6.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.5 dB @ 228.50MHz	N/A	< 29.6 dB	18.1 dB
3,6	OK	12.3 dB @ 247.00MHz	N/A	< 30.9 dB	18.6 dB
5,4	OK	12.3 dB @ 242.00MHz	N/A	< 30.6 dB	18.3 dB
1,2	OK	11.2 dB @ 248.50MHz	N/A	< 31.0 dB	19.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.7 dB @ 234.50MHz	N/A	>= 5.8 dB	24.9 dB
3,6	DH	OK	30.1 dB @ 247.00MHz	N/A	>= 4.5 dB	25.6 dB
5,4	DH	OK	38.4 dB @ 247.50MHz	N/A	>= 4.4 dB	34.0 dB
1,2	DH	OK	36.3 dB @ 245.50MHz	N/A	>= 4.6 dB	31.7 dB
7,8	RH	OK	34.9 dB @ 223.50MHz	N/A	>= 6.9 dB	28.0 dB
3,6	RH	OK	34.6 dB @ 248.50MHz	N/A	>= 4.4 dB	30.2 dB
5,4	RH	OK	34.9 dB @ 234.50MHz	N/A	>= 5.8 dB	29.1 dB
1,2	RH	OK	35.5 dB @ 225.00MHz	N/A	>= 6.8 dB	28.7 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0152  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:06:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.3 dB @ 248.50MHz	N/A	> 16.3 dB	14.0 dB
7,8-5,4	DH	OK	42.5 dB @ 249.50MHz	N/A	> 16.2 dB	26.3 dB
7,8-1,2	DH	OK	46.5 dB @ 248.50MHz	N/A	> 16.3 dB	30.2 dB
3,6-7,8	DH	OK	30.4 dB @ 228.50MHz	N/A	> 17.0 dB	13.4 dB
3,6-5,4	DH	OK	31.3 dB @ 249.50MHz	N/A	> 16.2 dB	15.1 dB
3,6-1,2	DH	OK	42.4 dB @ 180.50MHz	N/A	> 19.0 dB	23.4 dB
5,4-7,8	DH	OK	41.0 dB @ 250.00MHz	N/A	> 16.2 dB	24.8 dB
5,4-3,6	DH	OK	31.8 dB @ 248.50MHz	N/A	> 16.3 dB	15.5 dB
5,4-1,2	DH	OK	39.7 dB @ 225.00MHz	N/A	> 17.1 dB	22.6 dB
1,2-7,8	DH	OK	46.0 dB @ 250.00MHz	N/A	> 16.2 dB	29.8 dB
1,2-3,6	DH	OK	42.0 dB @ 225.50MHz	N/A	> 17.1 dB	24.9 dB
1,2-5,4	DH	OK	38.1 dB @ 232.50MHz	N/A	> 16.8 dB	21.3 dB
7,8-3,6	RH	OK	30.9 dB @ 227.50MHz	N/A	> 17.0 dB	13.9 dB
7,8-5,4	RH	OK	42.8 dB @ 250.00MHz	N/A	> 16.2 dB	26.6 dB
7,8-1,2	RH	OK	46.8 dB @ 220.00MHz	N/A	> 17.3 dB	29.5 dB
3,6-7,8	RH	OK	30.4 dB @ 230.50MHz	N/A	> 16.9 dB	13.5 dB
3,6-5,4	RH	OK	31.2 dB @ 247.00MHz	N/A	> 16.3 dB	14.9 dB
3,6-1,2	RH	OK	41.9 dB @ 180.50MHz	N/A	> 19.0 dB	22.9 dB
5,4-7,8	RH	OK	40.5 dB @ 249.50MHz	N/A	> 16.2 dB	24.3 dB
5,4-3,6	RH	OK	31.6 dB @ 245.50MHz	N/A	> 16.4 dB	15.2 dB
5,4-1,2	RH	OK	38.6 dB @ 228.00MHz	N/A	> 17.0 dB	21.6 dB
1,2-7,8	RH	OK	46.4 dB @ 248.50MHz	N/A	> 16.3 dB	30.1 dB
1,2-3,6	RH	OK	42.9 dB @ 234.00MHz	N/A	> 16.8 dB	26.1 dB
1,2-5,4	RH	OK	39.0 dB @ 234.00MHz	N/A	> 16.8 dB	22.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.7 dB @ 235.00MHz	N/A	> 32.8 dB	8.9 dB
3,6	DH	OK	41.1 dB @ 235.00MHz	N/A	> 32.8 dB	8.3 dB
5,4	DH	OK	48.0 dB @ 242.50MHz	N/A	> 32.5 dB	15.5 dB
1,2	DH	OK	45.6 dB @ 245.50MHz	N/A	> 32.4 dB	13.2 dB
7,8	RH	OK	43.4 dB @ 223.50MHz	N/A	> 33.1 dB	10.3 dB
3,6	RH	OK	43.0 dB @ 250.00MHz	N/A	> 32.3 dB	10.7 dB
5,4	RH	OK	45.4 dB @ 234.00MHz	N/A	> 32.8 dB	12.6 dB
1,2	RH	OK	44.5 dB @ 250.00MHz	N/A	> 32.3 dB	12.2 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.4 dB @ 234.50MHz	N/A	>= 2.8 dB	27.6 dB
3,6	DH	OK	29.0 dB @ 247.00MHz	N/A	>= 1.5 dB	27.5 dB
5,4	DH	OK	35.8 dB @ 242.50MHz	N/A	>= 1.9 dB	33.9 dB
1,2	DH	OK	34.6 dB @ 245.50MHz	N/A	>= 1.6 dB	33.0 dB
7,8	RH	OK	32.2 dB @ 234.50MHz	N/A	>= 2.8 dB	29.4 dB
3,6	RH	OK	31.4 dB @ 250.00MHz	N/A	>= 1.1 dB	30.3 dB
5,4	RH	OK	33.5 dB @ 234.50MHz	N/A	>= 2.8 dB	30.7 dB
1,2	RH	OK	33.6 dB @ 248.50MHz	N/A	>= 1.4 dB	32.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.2 dB @ 234.50MHz	N/A	>= 13.8 dB	16.4 dB
3,6	DH	OK	27.9 dB @ 248.50MHz	N/A	>= 13.3 dB	14.6 dB
5,4	DH	OK	30.5 dB @ 249.50MHz	N/A	>= 13.2 dB	17.3 dB
1,2	DH	OK	38.2 dB @ 219.00MHz	N/A	>= 14.4 dB	23.8 dB
7,8	RH	OK	30.5 dB @ 227.50MHz	N/A	>= 14.0 dB	16.5 dB
3,6	RH	OK	27.9 dB @ 248.50MHz	N/A	>= 13.3 dB	14.6 dB
5,4	RH	OK	30.6 dB @ 245.50MHz	N/A	>= 13.4 dB	17.2 dB
1,2	RH	OK	37.2 dB @ 234.00MHz	N/A	>= 13.8 dB	23.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

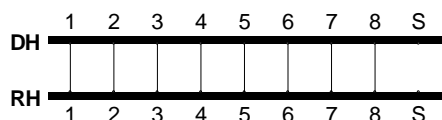
ID cavo 1: 0153  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:07:30  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	33.1m	34.0m	34.7m	33.1m	< 90.0m	OK
Ritardo di propag.	168.3ns	172.4ns	175.9ns	168.5ns	< 510.0ns	OK
Diff. t. ritardo	7.6ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.0 Ohm	100.3 Ohm	98.5 Ohm	101.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.0 Ohm	7.4 Ohm	7.9 Ohm	7.3 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.1pF/m	48.0pF/m	46.5pF/m	< 66.0pF/m	OK
Riserva	5.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.6 dB @ 244.50MHz	N/A	> 35.5 dB	6.1 dB
7,8-5,4	DH	OK	52.7 dB @ 237.00MHz	N/A	> 35.7 dB	17.0 dB
7,8-1,2	DH	OK	58.5 dB @ 202.00MHz	N/A	> 36.8 dB	21.7 dB
3,6-5,4	DH	OK	53.6 dB @ 229.50MHz	N/A	> 35.9 dB	17.7 dB
3,6-1,2	DH	OK	44.5 dB @ 244.50MHz	N/A	> 35.5 dB	9.0 dB
5,4-1,2	DH	OK	49.9 dB @ 246.00MHz	N/A	> 35.4 dB	14.5 dB
7,8-3,6	RH	OK	49.5 dB @ 206.00MHz	N/A	> 36.7 dB	12.8 dB
7,8-5,4	RH	OK	47.4 dB @ 228.00MHz	N/A	> 36.0 dB	11.4 dB
7,8-1,2	RH	OK	50.8 dB @ 200.00MHz	N/A	> 36.9 dB	13.9 dB
3,6-5,4	RH	OK	50.7 dB @ 234.00MHz	N/A	> 35.8 dB	14.9 dB
3,6-1,2	RH	OK	46.8 dB @ 230.00MHz	N/A	> 35.9 dB	10.9 dB
5,4-1,2	RH	OK	50.1 dB @ 205.00MHz	N/A	> 36.7 dB	13.4 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.8 dB @ 229.00MHz	N/A	> 10.4 dB	4.4 dB
3,6	DH	OK	16.3 dB @ 225.00MHz	N/A	> 10.5 dB	5.8 dB
5,4	DH	OK	17.2 dB @ 226.50MHz	N/A	> 10.4 dB	6.8 dB
1,2	DH	OK	15.8 dB @ 215.50MHz	N/A	> 10.7 dB	5.1 dB
7,8	RH	OK	15.4 dB @ 229.50MHz	N/A	> 10.4 dB	5.0 dB
3,6	RH	OK	16.8 dB @ 165.00MHz	N/A	> 11.8 dB	5.0 dB
5,4	RH	OK	17.7 dB @ 226.00MHz	N/A	> 10.4 dB	7.3 dB
1,2	RH	OK	16.0 dB @ 216.00MHz	N/A	> 10.6 dB	5.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	10.6 dB @ 238.50MHz	N/A	< 30.3 dB	19.7 dB
3,6	OK	11.9 dB @ 242.00MHz	N/A	< 30.6 dB	18.7 dB
5,4	OK	11.4 dB @ 245.50MHz	N/A	< 30.8 dB	19.4 dB
1,2	OK	10.5 dB @ 248.50MHz	N/A	< 31.0 dB	20.5 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	31.6 dB @ 244.50MHz	N/A	>= 4.8 dB	26.8 dB
3,6	DH	OK	30.3 dB @ 242.00MHz	N/A	>= 4.9 dB	25.4 dB
5,4	DH	OK	38.5 dB @ 245.50MHz	N/A	>= 4.6 dB	33.9 dB
1,2	DH	OK	34.8 dB @ 243.50MHz	N/A	>= 4.8 dB	30.0 dB
7,8	RH	OK	36.8 dB @ 228.00MHz	N/A	>= 6.5 dB	30.3 dB
3,6	RH	OK	36.1 dB @ 230.00MHz	N/A	>= 6.2 dB	29.9 dB
5,4	RH	OK	37.3 dB @ 228.50MHz	N/A	>= 6.4 dB	30.9 dB
1,2	RH	OK	37.2 dB @ 230.00MHz	N/A	>= 6.2 dB	31.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0153  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:07:30  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	37.6 dB @ 248.50MHz	N/A	> 16.3 dB	21.3 dB
7,8-5,4	DH	OK	41.4 dB @ 245.50MHz	N/A	> 16.4 dB	25.0 dB
7,8-1,2	DH	OK	41.2 dB @ 227.00MHz	N/A	> 17.0 dB	24.2 dB
3,6-7,8	DH	OK	36.9 dB @ 235.00MHz	N/A	> 16.7 dB	20.2 dB
3,6-5,4	DH	OK	32.1 dB @ 240.00MHz	N/A	> 16.6 dB	15.5 dB
3,6-1,2	DH	OK	37.6 dB @ 181.00MHz	N/A	> 19.0 dB	18.6 dB
5,4-7,8	DH	OK	42.4 dB @ 207.00MHz	N/A	> 17.8 dB	24.6 dB
5,4-3,6	DH	OK	32.6 dB @ 242.00MHz	N/A	> 16.5 dB	16.1 dB
5,4-1,2	DH	OK	39.5 dB @ 248.50MHz	N/A	> 16.3 dB	23.2 dB
1,2-7,8	DH	OK	41.1 dB @ 214.00MHz	N/A	> 17.6 dB	23.5 dB
1,2-3,6	DH	OK	37.6 dB @ 175.00MHz	N/A	> 19.3 dB	18.3 dB
1,2-5,4	DH	OK	37.6 dB @ 245.50MHz	N/A	> 16.4 dB	21.2 dB
7,8-3,6	RH	OK	37.9 dB @ 250.00MHz	N/A	> 16.2 dB	21.7 dB
7,8-5,4	RH	OK	41.6 dB @ 228.00MHz	N/A	> 17.0 dB	24.6 dB
7,8-1,2	RH	OK	40.8 dB @ 220.00MHz	N/A	> 17.3 dB	23.5 dB
3,6-7,8	RH	OK	36.3 dB @ 233.00MHz	N/A	> 16.8 dB	19.5 dB
3,6-5,4	RH	OK	31.4 dB @ 242.00MHz	N/A	> 16.5 dB	14.9 dB
3,6-1,2	RH	OK	37.0 dB @ 178.00MHz	N/A	> 19.2 dB	17.8 dB
5,4-7,8	RH	OK	42.2 dB @ 200.00MHz	N/A	> 18.1 dB	24.1 dB
5,4-3,6	RH	OK	32.4 dB @ 249.00MHz	N/A	> 16.2 dB	16.2 dB
5,4-1,2	RH	OK	38.6 dB @ 244.00MHz	N/A	> 16.4 dB	22.2 dB
1,2-7,8	RH	OK	41.4 dB @ 214.00MHz	N/A	> 17.6 dB	23.8 dB
1,2-3,6	RH	OK	38.1 dB @ 177.50MHz	N/A	> 19.2 dB	18.9 dB
1,2-5,4	RH	OK	38.5 dB @ 248.50MHz	N/A	> 16.3 dB	22.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.3 dB @ 244.50MHz	N/A	> 32.5 dB	8.8 dB
3,6	DH	OK	39.7 dB @ 244.50MHz	N/A	> 32.5 dB	7.2 dB
5,4	DH	OK	48.1 dB @ 245.50MHz	N/A	> 32.4 dB	15.7 dB
1,2	DH	OK	43.6 dB @ 244.50MHz	N/A	> 32.5 dB	11.1 dB
7,8	RH	OK	44.6 dB @ 229.00MHz	N/A	> 32.9 dB	11.7 dB
3,6	RH	OK	45.0 dB @ 230.00MHz	N/A	> 32.9 dB	12.1 dB
5,4	RH	OK	45.6 dB @ 228.00MHz	N/A	> 33.0 dB	12.6 dB
1,2	RH	OK	45.7 dB @ 230.00MHz	N/A	> 32.9 dB	12.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.3 dB @ 244.50MHz	N/A	>= 1.8 dB	29.5 dB
3,6	DH	OK	28.5 dB @ 242.00MHz	N/A	>= 1.9 dB	26.6 dB
5,4	DH	OK	36.7 dB @ 245.50MHz	N/A	>= 1.6 dB	35.1 dB
1,2	DH	OK	33.6 dB @ 248.50MHz	N/A	>= 1.4 dB	32.2 dB
7,8	RH	OK	34.5 dB @ 228.00MHz	N/A	>= 3.5 dB	31.0 dB
3,6	RH	OK	34.3 dB @ 230.00MHz	N/A	>= 3.2 dB	31.1 dB
5,4	RH	OK	35.1 dB @ 244.00MHz	N/A	>= 1.8 dB	33.3 dB
1,2	RH	OK	36.1 dB @ 230.00MHz	N/A	>= 3.2 dB	32.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.2 dB @ 235.00MHz	N/A	>= 13.7 dB	21.5 dB
3,6	DH	OK	30.7 dB @ 242.00MHz	N/A	>= 13.5 dB	17.2 dB
5,4	DH	OK	30.7 dB @ 245.50MHz	N/A	>= 13.4 dB	17.3 dB
1,2	DH	OK	35.4 dB @ 226.00MHz	N/A	>= 14.1 dB	21.3 dB
7,8	RH	OK	35.6 dB @ 250.00MHz	N/A	>= 13.2 dB	22.4 dB
3,6	RH	OK	29.8 dB @ 242.00MHz	N/A	>= 13.5 dB	16.3 dB
5,4	RH	OK	31.2 dB @ 249.00MHz	N/A	>= 13.2 dB	18.0 dB
1,2	RH	OK	35.6 dB @ 226.00MHz	N/A	>= 14.1 dB	21.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0154  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:08:43  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	33.0m	33.9m	34.6m	33.1m	< 90.0m	OK
Ritardo di propag.	167.9ns	172.2ns	175.5ns	168.2ns	< 510.0ns	OK
Diff. t. ritardo	7.6ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.8 Ohm	100.1 Ohm	98.4 Ohm	101.7 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.4 Ohm	8.0 Ohm	8.5 Ohm	7.8 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.2pF/m	48.0pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	8.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.2 dB @ 232.00MHz	N/A	> 35.8 dB	6.4 dB
7,8-5,4	DH	OK	50.7 dB @ 221.50MHz	N/A	> 36.2 dB	14.5 dB
7,8-1,2	DH	OK	56.3 dB @ 163.00MHz	N/A	> 38.4 dB	17.9 dB
3,6-5,4	DH	OK	51.2 dB @ 222.00MHz	N/A	> 36.2 dB	15.0 dB
3,6-1,2	DH	OK	46.2 dB @ 250.00MHz	N/A	> 35.3 dB	10.9 dB
5,4-1,2	DH	OK	49.4 dB @ 250.00MHz	N/A	> 35.3 dB	14.1 dB
7,8-3,6	RH	OK	46.1 dB @ 213.50MHz	N/A	> 36.4 dB	9.7 dB
7,8-5,4	RH	OK	48.1 dB @ 205.50MHz	N/A	> 36.7 dB	11.4 dB
7,8-1,2	RH	OK	53.8 dB @ 239.00MHz	N/A	> 35.6 dB	18.2 dB
3,6-5,4	RH	OK	50.3 dB @ 243.50MHz	N/A	> 35.5 dB	14.8 dB
3,6-1,2	RH	OK	47.0 dB @ 230.00MHz	N/A	> 35.9 dB	11.1 dB
5,4-1,2	RH	OK	51.4 dB @ 249.50MHz	N/A	> 35.3 dB	16.1 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.7 dB @ 217.00MHz	N/A	> 10.6 dB	5.1 dB
3,6	DH	OK	15.8 dB @ 233.50MHz	N/A	> 10.3 dB	5.5 dB
5,4	DH	OK	17.4 dB @ 238.50MHz	N/A	> 10.2 dB	7.2 dB
1,2	DH	OK	17.5 dB @ 219.00MHz	N/A	> 10.6 dB	6.9 dB
7,8	RH	OK	15.0 dB @ 223.00MHz	N/A	> 10.5 dB	4.5 dB
3,6	RH	OK	16.3 dB @ 228.00MHz	N/A	> 10.4 dB	5.9 dB
5,4	RH	OK	18.4 dB @ 224.00MHz	N/A	> 10.5 dB	7.9 dB
1,2	RH	OK	16.0 dB @ 226.00MHz	N/A	> 10.4 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	10.6 dB @ 246.00MHz	N/A	< 30.9 dB	20.3 dB
3,6	OK	11.2 dB @ 234.50MHz	N/A	< 30.0 dB	18.8 dB
5,4	OK	11.2 dB @ 243.50MHz	N/A	< 30.7 dB	19.5 dB
1,2	OK	10.4 dB @ 237.00MHz	N/A	< 30.2 dB	19.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	32.1 dB @ 235.50MHz	N/A	>= 5.6 dB	26.5 dB
3,6	DH	OK	31.6 dB @ 232.00MHz	N/A	>= 6.0 dB	25.6 dB
5,4	DH	OK	38.7 dB @ 249.50MHz	N/A	>= 4.2 dB	34.5 dB
1,2	DH	OK	36.4 dB @ 243.50MHz	N/A	>= 4.8 dB	31.6 dB
7,8	RH	OK	36.4 dB @ 213.50MHz	N/A	>= 8.0 dB	28.4 dB
3,6	RH	OK	36.1 dB @ 213.50MHz	N/A	>= 8.0 dB	28.1 dB
5,4	RH	OK	37.6 dB @ 244.50MHz	N/A	>= 4.8 dB	32.8 dB
1,2	RH	OK	37.4 dB @ 223.50MHz	N/A	>= 6.9 dB	30.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0154  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:08:43  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.6 dB @ 249.00MHz	N/A	> 16.2 dB	15.4 dB
7,8-5,4	DH	OK	46.5 dB @ 178.00MHz	N/A	> 19.2 dB	27.3 dB
7,8-1,2	DH	OK	36.9 dB @ 249.50MHz	N/A	> 16.2 dB	20.7 dB
3,6-7,8	DH	OK	32.5 dB @ 249.00MHz	N/A	> 16.2 dB	16.3 dB
3,6-5,4	DH	OK	32.4 dB @ 249.50MHz	N/A	> 16.2 dB	16.2 dB
3,6-1,2	DH	OK	41.0 dB @ 172.50MHz	N/A	> 19.4 dB	21.6 dB
5,4-7,8	DH	OK	44.7 dB @ 167.50MHz	N/A	> 19.7 dB	25.0 dB
5,4-3,6	DH	OK	33.1 dB @ 234.50MHz	N/A	> 16.8 dB	16.3 dB
5,4-1,2	DH	OK	36.6 dB @ 249.50MHz	N/A	> 16.2 dB	20.4 dB
1,2-7,8	DH	OK	37.0 dB @ 248.00MHz	N/A	> 16.3 dB	20.7 dB
1,2-3,6	DH	OK	41.4 dB @ 175.50MHz	N/A	> 19.3 dB	22.1 dB
1,2-5,4	DH	OK	36.2 dB @ 249.50MHz	N/A	> 16.2 dB	20.0 dB
7,8-3,6	RH	OK	32.0 dB @ 250.00MHz	N/A	> 16.2 dB	15.8 dB
7,8-5,4	RH	OK	46.7 dB @ 178.00MHz	N/A	> 19.2 dB	27.5 dB
7,8-1,2	RH	OK	36.9 dB @ 246.00MHz	N/A	> 16.3 dB	20.6 dB
3,6-7,8	RH	OK	31.5 dB @ 234.50MHz	N/A	> 16.8 dB	14.7 dB
3,6-5,4	RH	OK	32.8 dB @ 249.00MHz	N/A	> 16.2 dB	16.6 dB
3,6-1,2	RH	OK	40.6 dB @ 179.00MHz	N/A	> 19.1 dB	21.5 dB
5,4-7,8	RH	OK	44.5 dB @ 167.50MHz	N/A	> 19.7 dB	24.8 dB
5,4-3,6	RH	OK	33.4 dB @ 231.50MHz	N/A	> 16.9 dB	16.5 dB
5,4-1,2	RH	OK	35.9 dB @ 243.50MHz	N/A	> 16.4 dB	19.5 dB
1,2-7,8	RH	OK	37.2 dB @ 249.50MHz	N/A	> 16.2 dB	21.0 dB
1,2-3,6	RH	OK	41.9 dB @ 175.50MHz	N/A	> 19.3 dB	22.6 dB
1,2-5,4	RH	OK	36.8 dB @ 249.50MHz	N/A	> 16.2 dB	20.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.9 dB @ 232.00MHz	N/A	> 32.8 dB	9.1 dB
3,6	DH	OK	41.4 dB @ 235.50MHz	N/A	> 32.7 dB	8.7 dB
5,4	DH	OK	47.1 dB @ 231.50MHz	N/A	> 32.9 dB	14.2 dB
1,2	DH	OK	44.4 dB @ 250.00MHz	N/A	> 32.3 dB	12.1 dB
7,8	RH	OK	44.6 dB @ 221.50MHz	N/A	> 33.2 dB	11.4 dB
3,6	RH	OK	43.6 dB @ 213.50MHz	N/A	> 33.4 dB	10.2 dB
5,4	RH	OK	45.9 dB @ 205.50MHz	N/A	> 33.7 dB	12.2 dB
1,2	RH	OK	46.7 dB @ 230.00MHz	N/A	> 32.9 dB	13.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.8 dB @ 235.50MHz	N/A	>= 2.6 dB	29.2 dB
3,6	DH	OK	30.7 dB @ 234.50MHz	N/A	>= 2.8 dB	27.9 dB
5,4	DH	OK	36.4 dB @ 231.50MHz	N/A	>= 3.1 dB	33.3 dB
1,2	DH	OK	34.6 dB @ 250.00MHz	N/A	>= 1.1 dB	33.5 dB
7,8	RH	OK	34.4 dB @ 246.00MHz	N/A	>= 1.5 dB	32.9 dB
3,6	RH	OK	33.1 dB @ 236.50MHz	N/A	>= 2.5 dB	30.6 dB
5,4	RH	OK	35.0 dB @ 243.50MHz	N/A	>= 1.8 dB	33.2 dB
1,2	RH	OK	37.1 dB @ 223.50MHz	N/A	>= 3.9 dB	33.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.2 dB @ 249.00MHz	N/A	>= 13.2 dB	18.0 dB
3,6	DH	OK	29.4 dB @ 249.00MHz	N/A	>= 13.2 dB	16.2 dB
5,4	DH	OK	30.8 dB @ 249.50MHz	N/A	>= 13.2 dB	17.6 dB
1,2	DH	OK	33.5 dB @ 249.50MHz	N/A	>= 13.2 dB	20.3 dB
7,8	RH	OK	30.9 dB @ 250.00MHz	N/A	>= 13.2 dB	17.7 dB
3,6	RH	OK	29.2 dB @ 249.00MHz	N/A	>= 13.2 dB	16.0 dB
5,4	RH	OK	31.5 dB @ 249.50MHz	N/A	>= 13.2 dB	18.3 dB
1,2	RH	OK	33.8 dB @ 249.50MHz	N/A	>= 13.2 dB	20.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0155  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:09:41  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	33.1m	34.1m	34.8m	33.2m	< 90.0m	OK
Ritardo di propag.	168.2ns	172.8ns	176.2ns	168.9ns	< 510.0ns	OK
Diff. t. ritardo	8.0ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.0 Ohm	100.0 Ohm	98.8 Ohm	102.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.7 Ohm	8.3 Ohm	8.9 Ohm	8.1 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.2pF/m	47.8pF/m	46.2pF/m	< 66.0pF/m	OK
Riserva	9.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.7 dB @ 234.50MHz	N/A	> 35.8 dB	4.9 dB
7,8-5,4	DH	OK	51.2 dB @ 233.00MHz	N/A	> 35.8 dB	15.4 dB
7,8-1,2	DH	OK	55.1 dB @ 194.00MHz	N/A	> 37.1 dB	18.0 dB
3,6-5,4	DH	OK	50.1 dB @ 233.00MHz	N/A	> 35.8 dB	14.3 dB
3,6-1,2	DH	OK	46.9 dB @ 247.00MHz	N/A	> 35.4 dB	11.5 dB
5,4-1,2	DH	OK	48.8 dB @ 205.50MHz	N/A	> 36.7 dB	12.1 dB
7,8-3,6	RH	OK	47.7 dB @ 219.00MHz	N/A	> 36.3 dB	11.4 dB
7,8-5,4	RH	OK	46.6 dB @ 237.00MHz	N/A	> 35.7 dB	10.9 dB
7,8-1,2	RH	OK	52.8 dB @ 194.00MHz	N/A	> 37.1 dB	15.7 dB
3,6-5,4	RH	OK	49.5 dB @ 227.50MHz	N/A	> 36.0 dB	13.5 dB
3,6-1,2	RH	OK	46.2 dB @ 223.00MHz	N/A	> 36.1 dB	10.1 dB
5,4-1,2	RH	OK	49.0 dB @ 201.50MHz	N/A	> 36.8 dB	12.2 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 226.00MHz	N/A	> 10.4 dB	6.0 dB
3,6	DH	OK	15.7 dB @ 227.00MHz	N/A	> 10.4 dB	5.3 dB
5,4	DH	OK	16.9 dB @ 228.50MHz	N/A	> 10.4 dB	6.5 dB
1,2	DH	OK	17.1 dB @ 215.50MHz	N/A	> 10.7 dB	6.4 dB
7,8	RH	OK	15.8 dB @ 168.50MHz	N/A	> 11.7 dB	4.1 dB
3,6	RH	OK	16.6 dB @ 227.00MHz	N/A	> 10.4 dB	6.2 dB
5,4	RH	OK	17.3 dB @ 234.50MHz	N/A	> 10.3 dB	7.0 dB
1,2	RH	OK	17.1 dB @ 167.00MHz	N/A	> 11.8 dB	5.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	10.6 dB @ 248.50MHz	N/A	< 31.0 dB	20.4 dB
3,6	OK	11.2 dB @ 240.00MHz	N/A	< 30.4 dB	19.2 dB
5,4	OK	11.2 dB @ 240.50MHz	N/A	< 30.4 dB	19.2 dB
1,2	OK	10.6 dB @ 238.50MHz	N/A	< 30.3 dB	19.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.5 dB @ 235.00MHz	N/A	>= 5.8 dB	24.7 dB
3,6	DH	OK	30.2 dB @ 234.50MHz	N/A	>= 5.8 dB	24.4 dB
5,4	DH	OK	38.2 dB @ 243.50MHz	N/A	>= 4.8 dB	33.4 dB
1,2	DH	OK	37.0 dB @ 247.00MHz	N/A	>= 4.5 dB	32.5 dB
7,8	RH	OK	36.6 dB @ 236.50MHz	N/A	>= 5.5 dB	31.1 dB
3,6	RH	OK	35.7 dB @ 223.00MHz	N/A	>= 6.9 dB	28.8 dB
5,4	RH	OK	35.8 dB @ 237.00MHz	N/A	>= 5.5 dB	30.3 dB
1,2	RH	OK	36.3 dB @ 223.00MHz	N/A	>= 6.9 dB	29.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0155  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:09:41  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	31.0 dB @ 250.00MHz	N/A	> 16.2 dB	14.8 dB
7,8-5,4	DH	OK	43.5 dB @ 164.00MHz	N/A	> 19.9 dB	23.6 dB
7,8-1,2	DH	OK	48.0 dB @ 226.50MHz	N/A	> 17.1 dB	30.9 dB
3,6-7,8	DH	OK	31.3 dB @ 235.00MHz	N/A	> 16.7 dB	14.6 dB
3,6-5,4	DH	OK	32.3 dB @ 243.50MHz	N/A	> 16.4 dB	15.9 dB
3,6-1,2	DH	OK	44.8 dB @ 238.50MHz	N/A	> 16.6 dB	28.2 dB
5,4-7,8	DH	OK	42.7 dB @ 170.50MHz	N/A	> 19.5 dB	23.2 dB
5,4-3,6	DH	OK	32.7 dB @ 248.00MHz	N/A	> 16.3 dB	16.4 dB
5,4-1,2	DH	OK	38.4 dB @ 238.50MHz	N/A	> 16.6 dB	21.8 dB
1,2-7,8	DH	OK	46.3 dB @ 204.00MHz	N/A	> 18.0 dB	28.3 dB
1,2-3,6	DH	OK	43.0 dB @ 250.00MHz	N/A	> 16.2 dB	26.8 dB
1,2-5,4	DH	OK	37.2 dB @ 240.50MHz	N/A	> 16.5 dB	20.7 dB
7,8-3,6	RH	OK	31.3 dB @ 250.00MHz	N/A	> 16.2 dB	15.1 dB
7,8-5,4	RH	OK	43.4 dB @ 164.00MHz	N/A	> 19.9 dB	23.5 dB
7,8-1,2	RH	OK	47.7 dB @ 226.50MHz	N/A	> 17.1 dB	30.6 dB
3,6-7,8	RH	OK	30.7 dB @ 236.00MHz	N/A	> 16.7 dB	14.0 dB
3,6-5,4	RH	OK	32.2 dB @ 240.00MHz	N/A	> 16.6 dB	15.6 dB
3,6-1,2	RH	OK	44.0 dB @ 233.50MHz	N/A	> 16.8 dB	27.2 dB
5,4-7,8	RH	OK	42.7 dB @ 174.00MHz	N/A	> 19.3 dB	23.4 dB
5,4-3,6	RH	OK	33.0 dB @ 249.50MHz	N/A	> 16.2 dB	16.8 dB
5,4-1,2	RH	OK	37.5 dB @ 240.50MHz	N/A	> 16.5 dB	21.0 dB
1,2-7,8	RH	OK	46.6 dB @ 204.00MHz	N/A	> 18.0 dB	28.6 dB
1,2-3,6	RH	OK	43.9 dB @ 250.00MHz	N/A	> 16.2 dB	27.7 dB
1,2-5,4	RH	OK	38.0 dB @ 238.50MHz	N/A	> 16.6 dB	21.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.5 dB @ 234.50MHz	N/A	> 32.8 dB	7.7 dB
3,6	DH	OK	40.0 dB @ 234.50MHz	N/A	> 32.8 dB	7.2 dB
5,4	DH	OK	45.9 dB @ 242.50MHz	N/A	> 32.5 dB	13.4 dB
1,2	DH	OK	45.4 dB @ 247.00MHz	N/A	> 32.4 dB	13.0 dB
7,8	RH	OK	44.6 dB @ 238.00MHz	N/A	> 32.7 dB	11.9 dB
3,6	RH	OK	43.8 dB @ 225.00MHz	N/A	> 33.1 dB	10.7 dB
5,4	RH	OK	44.6 dB @ 234.00MHz	N/A	> 32.8 dB	11.8 dB
1,2	RH	OK	45.0 dB @ 223.00MHz	N/A	> 33.1 dB	11.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.3 dB @ 235.00MHz	N/A	>= 2.8 dB	27.5 dB
3,6	DH	OK	29.5 dB @ 234.50MHz	N/A	>= 2.8 dB	26.7 dB
5,4	DH	OK	35.4 dB @ 243.50MHz	N/A	>= 1.8 dB	33.6 dB
1,2	DH	OK	35.4 dB @ 246.00MHz	N/A	>= 1.5 dB	33.9 dB
7,8	RH	OK	34.5 dB @ 239.00MHz	N/A	>= 2.3 dB	32.2 dB
3,6	RH	OK	33.1 dB @ 225.00MHz	N/A	>= 3.8 dB	29.3 dB
5,4	RH	OK	34.1 dB @ 234.00MHz	N/A	>= 2.8 dB	31.3 dB
1,2	RH	OK	35.0 dB @ 222.50MHz	N/A	>= 4.0 dB	31.0 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.1 dB @ 235.00MHz	N/A	>= 13.7 dB	17.4 dB
3,6	DH	OK	28.7 dB @ 250.00MHz	N/A	>= 13.2 dB	15.5 dB
5,4	DH	OK	30.9 dB @ 240.50MHz	N/A	>= 13.5 dB	17.4 dB
1,2	DH	OK	37.2 dB @ 238.50MHz	N/A	>= 13.6 dB	23.6 dB
7,8	RH	OK	31.0 dB @ 250.00MHz	N/A	>= 13.2 dB	17.8 dB
3,6	RH	OK	28.5 dB @ 240.00MHz	N/A	>= 13.6 dB	14.9 dB
5,4	RH	OK	31.6 dB @ 249.50MHz	N/A	>= 13.2 dB	18.4 dB
1,2	RH	OK	37.6 dB @ 249.50MHz	N/A	>= 13.2 dB	24.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

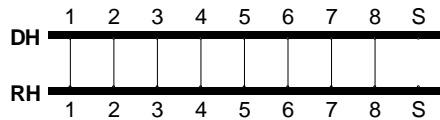
ID cavo 1: 0156  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:10:42  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	33.2m	34.1m	34.9m	33.2m	< 90.0m	OK
Ritardo di propag.	168.6ns	173.1ns	176.7ns	169.0ns	< 510.0ns	OK
Diff. t. ritardo	8.1ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.0 Ohm	100.0 Ohm	98.8 Ohm	102.0 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.5 Ohm	7.9 Ohm	8.7 Ohm	7.8 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.3pF/m	47.8pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	7.9 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.2 dB @ 244.00MHz	N/A	> 35.5 dB	5.7 dB
7,8-5,4	DH	OK	52.3 dB @ 236.00MHz	N/A	> 35.7 dB	16.6 dB
7,8-1,2	DH	OK	59.1 dB @ 196.50MHz	N/A	> 37.0 dB	22.1 dB
3,6-5,4	DH	OK	53.3 dB @ 129.50MHz	N/A	> 40.0 dB	13.3 dB
3,6-1,2	DH	OK	45.9 dB @ 250.00MHz	N/A	> 35.3 dB	10.6 dB
5,4-1,2	DH	OK	48.5 dB @ 203.50MHz	N/A	> 36.8 dB	11.7 dB
7,8-3,6	RH	OK	46.2 dB @ 225.00MHz	N/A	> 36.1 dB	10.1 dB
7,8-5,4	RH	OK	45.0 dB @ 244.00MHz	N/A	> 35.5 dB	9.5 dB
7,8-1,2	RH	OK	53.9 dB @ 206.50MHz	N/A	> 36.7 dB	17.2 dB
3,6-5,4	RH	OK	51.2 dB @ 227.00MHz	N/A	> 36.0 dB	15.2 dB
3,6-1,2	RH	OK	46.6 dB @ 235.50MHz	N/A	> 35.7 dB	10.9 dB
5,4-1,2	RH	OK	50.3 dB @ 213.50MHz	N/A	> 36.4 dB	13.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.7 dB @ 222.00MHz	N/A	> 10.5 dB	5.2 dB
3,6	DH	OK	15.2 dB @ 226.50MHz	N/A	> 10.4 dB	4.8 dB
5,4	DH	OK	16.2 dB @ 234.00MHz	N/A	> 10.3 dB	5.9 dB
1,2	DH	OK	16.4 dB @ 228.00MHz	N/A	> 10.4 dB	6.0 dB
7,8	RH	OK	15.7 dB @ 225.50MHz	N/A	> 10.5 dB	5.2 dB
3,6	RH	OK	16.0 dB @ 220.50MHz	N/A	> 10.6 dB	5.4 dB
5,4	RH	OK	17.3 dB @ 233.50MHz	N/A	> 10.3 dB	7.0 dB
1,2	RH	OK	16.4 dB @ 227.50MHz	N/A	> 10.4 dB	6.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.4 dB @ 249.00MHz	N/A	< 31.1 dB	19.7 dB
3,6	OK	11.2 dB @ 250.00MHz	N/A	< 31.2 dB	20.0 dB
5,4	OK	11.0 dB @ 247.00MHz	N/A	< 30.9 dB	19.9 dB
1,2	OK	10.8 dB @ 226.50MHz	N/A	< 29.4 dB	18.6 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.4 dB @ 249.00MHz	N/A	>= 4.2 dB	26.2 dB
3,6	DH	OK	30.6 dB @ 243.50MHz	N/A	>= 4.8 dB	25.8 dB
5,4	DH	OK	38.5 dB @ 243.50MHz	N/A	>= 4.8 dB	33.7 dB
1,2	DH	OK	36.0 dB @ 249.50MHz	N/A	>= 4.2 dB	31.8 dB
7,8	RH	OK	34.6 dB @ 244.50MHz	N/A	>= 4.8 dB	29.8 dB
3,6	RH	OK	35.3 dB @ 225.00MHz	N/A	>= 6.8 dB	28.5 dB
5,4	RH	OK	34.3 dB @ 243.50MHz	N/A	>= 4.8 dB	29.5 dB
1,2	RH	OK	36.3 dB @ 235.50MHz	N/A	>= 5.6 dB	30.7 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0156  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:10:42  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.1 dB @ 250.00MHz	N/A	> 16.2 dB	15.9 dB
7,8-5,4	DH	OK	43.7 dB @ 250.00MHz	N/A	> 16.2 dB	27.5 dB
7,8-1,2	DH	OK	45.9 dB @ 249.50MHz	N/A	> 16.2 dB	29.7 dB
3,6-7,8	DH	OK	32.4 dB @ 249.00MHz	N/A	> 16.2 dB	16.2 dB
3,6-5,4	DH	OK	31.4 dB @ 247.00MHz	N/A	> 16.3 dB	15.1 dB
3,6-1,2	DH	OK	38.0 dB @ 171.00MHz	N/A	> 19.5 dB	18.5 dB
5,4-7,8	DH	OK	43.6 dB @ 212.50MHz	N/A	> 17.6 dB	26.0 dB
5,4-3,6	DH	OK	31.7 dB @ 248.00MHz	N/A	> 16.3 dB	15.4 dB
5,4-1,2	DH	OK	38.6 dB @ 226.50MHz	N/A	> 17.1 dB	21.5 dB
1,2-7,8	DH	OK	45.7 dB @ 182.50MHz	N/A	> 18.9 dB	26.8 dB
1,2-3,6	DH	OK	37.9 dB @ 178.00MHz	N/A	> 19.2 dB	18.7 dB
1,2-5,4	DH	OK	37.6 dB @ 241.00MHz	N/A	> 16.5 dB	21.1 dB
7,8-3,6	RH	OK	31.9 dB @ 249.00MHz	N/A	> 16.2 dB	15.7 dB
7,8-5,4	RH	OK	43.9 dB @ 249.00MHz	N/A	> 16.2 dB	27.7 dB
7,8-1,2	RH	OK	45.8 dB @ 249.50MHz	N/A	> 16.2 dB	29.6 dB
3,6-7,8	RH	OK	32.2 dB @ 232.00MHz	N/A	> 16.9 dB	15.3 dB
3,6-5,4	RH	OK	31.1 dB @ 250.00MHz	N/A	> 16.2 dB	14.9 dB
3,6-1,2	RH	OK	37.5 dB @ 171.00MHz	N/A	> 19.5 dB	18.0 dB
5,4-7,8	RH	OK	43.6 dB @ 209.00MHz	N/A	> 17.8 dB	25.8 dB
5,4-3,6	RH	OK	31.7 dB @ 249.50MHz	N/A	> 16.2 dB	15.5 dB
5,4-1,2	RH	OK	38.2 dB @ 239.50MHz	N/A	> 16.6 dB	21.6 dB
1,2-7,8	RH	OK	46.0 dB @ 182.50MHz	N/A	> 18.9 dB	27.1 dB
1,2-3,6	RH	OK	38.5 dB @ 177.00MHz	N/A	> 19.2 dB	19.3 dB
1,2-5,4	RH	OK	37.9 dB @ 241.00MHz	N/A	> 16.5 dB	21.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.1 dB @ 244.00MHz	N/A	> 32.5 dB	8.6 dB
3,6	DH	OK	40.3 dB @ 244.00MHz	N/A	> 32.5 dB	7.8 dB
5,4	DH	OK	48.0 dB @ 203.50MHz	N/A	> 33.8 dB	14.2 dB
1,2	DH	OK	44.3 dB @ 250.00MHz	N/A	> 32.3 dB	12.0 dB
7,8	RH	OK	43.6 dB @ 234.50MHz	N/A	> 32.8 dB	10.8 dB
3,6	RH	OK	43.5 dB @ 248.50MHz	N/A	> 32.4 dB	11.1 dB
5,4	RH	OK	43.6 dB @ 245.50MHz	N/A	> 32.4 dB	11.2 dB
1,2	RH	OK	45.4 dB @ 246.00MHz	N/A	> 32.4 dB	13.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.3 dB @ 249.00MHz	N/A	>= 1.2 dB	29.1 dB
3,6	DH	OK	29.5 dB @ 250.00MHz	N/A	>= 1.1 dB	28.4 dB
5,4	DH	OK	37.5 dB @ 239.50MHz	N/A	>= 2.2 dB	35.3 dB
1,2	DH	OK	34.4 dB @ 249.50MHz	N/A	>= 1.2 dB	33.2 dB
7,8	RH	OK	32.6 dB @ 249.00MHz	N/A	>= 1.2 dB	31.4 dB
3,6	RH	OK	32.7 dB @ 225.00MHz	N/A	>= 3.8 dB	28.9 dB
5,4	RH	OK	33.0 dB @ 245.50MHz	N/A	>= 1.6 dB	31.4 dB
1,2	RH	OK	35.1 dB @ 235.50MHz	N/A	>= 2.6 dB	32.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.0 dB @ 249.00MHz	N/A	>= 13.2 dB	18.8 dB
3,6	DH	OK	28.8 dB @ 250.00MHz	N/A	>= 13.2 dB	15.6 dB
5,4	DH	OK	30.4 dB @ 247.00MHz	N/A	>= 13.3 dB	17.1 dB
1,2	DH	OK	36.0 dB @ 226.50MHz	N/A	>= 14.1 dB	21.9 dB
7,8	RH	OK	31.4 dB @ 249.00MHz	N/A	>= 13.2 dB	18.2 dB
3,6	RH	OK	28.5 dB @ 250.00MHz	N/A	>= 13.2 dB	15.3 dB
5,4	RH	OK	30.7 dB @ 249.50MHz	N/A	>= 13.2 dB	17.5 dB
1,2	RH	OK	36.2 dB @ 233.50MHz	N/A	>= 13.8 dB	22.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

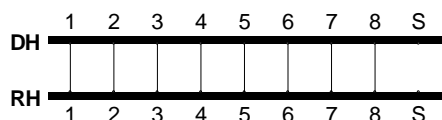
ID cavo 1: 0157  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:11:52  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	34.1m	35.0m	35.8m	34.1m	< 90.0m	OK
Ritardo di propag.	172.8ns	177.2ns	180.8ns	173.0ns	< 510.0ns	OK
Diff. t. ritardo	8.0ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.0 Ohm	99.5 Ohm	98.8 Ohm	101.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.4 Ohm	8.5 Ohm	8.8 Ohm	8.6 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.5pF/m	47.8pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	9.1 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.3 dB @ 231.00MHz	N/A	> 35.9 dB	6.4 dB
7,8-5,4	DH	OK	52.7 dB @ 232.50MHz	N/A	> 35.8 dB	16.9 dB
7,8-1,2	DH	OK	58.0 dB @ 165.00MHz	N/A	> 38.3 dB	19.7 dB
3,6-5,4	DH	OK	51.4 dB @ 232.50MHz	N/A	> 35.8 dB	15.6 dB
3,6-1,2	DH	OK	45.8 dB @ 242.50MHz	N/A	> 35.5 dB	10.3 dB
5,4-1,2	DH	OK	48.6 dB @ 250.00MHz	N/A	> 35.3 dB	13.3 dB
7,8-3,6	RH	OK	47.8 dB @ 171.00MHz	N/A	> 38.0 dB	9.8 dB
7,8-5,4	RH	OK	45.2 dB @ 239.50MHz	N/A	> 35.6 dB	9.6 dB
7,8-1,2	RH	OK	54.7 dB @ 195.00MHz	N/A	> 37.1 dB	17.6 dB
3,6-5,4	RH	OK	51.3 dB @ 236.00MHz	N/A	> 35.7 dB	15.6 dB
3,6-1,2	RH	OK	48.9 dB @ 232.50MHz	N/A	> 35.8 dB	13.1 dB
5,4-1,2	RH	OK	51.0 dB @ 250.00MHz	N/A	> 35.3 dB	15.7 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 226.00MHz	N/A	> 10.4 dB	6.0 dB
3,6	DH	OK	15.6 dB @ 233.00MHz	N/A	> 10.3 dB	5.3 dB
5,4	DH	OK	17.3 dB @ 228.50MHz	N/A	> 10.4 dB	6.9 dB
1,2	DH	OK	16.6 dB @ 219.00MHz	N/A	> 10.6 dB	6.0 dB
7,8	RH	OK	16.0 dB @ 226.00MHz	N/A	> 10.4 dB	5.6 dB
3,6	RH	OK	15.1 dB @ 224.00MHz	N/A	> 10.5 dB	4.6 dB
5,4	RH	OK	18.7 dB @ 228.50MHz	N/A	> 10.4 dB	8.3 dB
1,2	RH	OK	15.8 dB @ 219.50MHz	N/A	> 10.6 dB	5.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.3 dB @ 235.00MHz	N/A	< 30.0 dB	18.7 dB
3,6	OK	11.7 dB @ 226.00MHz	N/A	< 29.4 dB	17.7 dB
5,4	OK	11.5 dB @ 248.50MHz	N/A	< 31.0 dB	19.5 dB
1,2	OK	11.1 dB @ 246.50MHz	N/A	< 30.9 dB	19.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	32.0 dB @ 235.00MHz	N/A	>= 5.8 dB	26.2 dB
3,6	DH	OK	31.4 dB @ 250.00MHz	N/A	>= 4.1 dB	27.3 dB
5,4	DH	OK	37.8 dB @ 250.00MHz	N/A	>= 4.1 dB	33.7 dB
1,2	DH	OK	35.6 dB @ 242.50MHz	N/A	>= 4.9 dB	30.7 dB
7,8	RH	OK	34.7 dB @ 239.00MHz	N/A	>= 5.3 dB	29.4 dB
3,6	RH	OK	37.8 dB @ 219.00MHz	N/A	>= 7.4 dB	30.4 dB
5,4	RH	OK	34.4 dB @ 239.00MHz	N/A	>= 5.3 dB	29.1 dB
1,2	RH	OK	38.6 dB @ 231.50MHz	N/A	>= 6.1 dB	32.5 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0157  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:11:52  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.2 dB @ 250.00MHz	N/A	> 16.2 dB	16.0 dB
7,8-5,4	DH	OK	47.4 dB @ 231.00MHz	N/A	> 16.9 dB	30.5 dB
7,8-1,2	DH	OK	56.3 dB @ 202.00MHz	N/A	> 18.1 dB	38.2 dB
3,6-7,8	DH	OK	32.2 dB @ 235.00MHz	N/A	> 16.7 dB	15.5 dB
3,6-5,4	DH	OK	30.4 dB @ 248.50MHz	N/A	> 16.3 dB	14.1 dB
3,6-1,2	DH	OK	46.2 dB @ 246.50MHz	N/A	> 16.3 dB	29.9 dB
5,4-7,8	DH	OK	44.5 dB @ 174.00MHz	N/A	> 19.3 dB	25.2 dB
5,4-3,6	DH	OK	31.0 dB @ 249.00MHz	N/A	> 16.2 dB	14.8 dB
5,4-1,2	DH	OK	38.6 dB @ 246.50MHz	N/A	> 16.3 dB	22.3 dB
1,2-7,8	DH	OK	53.6 dB @ 185.50MHz	N/A	> 18.8 dB	34.8 dB
1,2-3,6	DH	OK	44.6 dB @ 183.50MHz	N/A	> 18.9 dB	25.7 dB
1,2-5,4	DH	OK	38.1 dB @ 230.00MHz	N/A	> 16.9 dB	21.2 dB
7,8-3,6	RH	OK	32.4 dB @ 247.50MHz	N/A	> 16.3 dB	16.1 dB
7,8-5,4	RH	OK	47.0 dB @ 235.00MHz	N/A	> 16.7 dB	30.3 dB
7,8-1,2	RH	OK	56.1 dB @ 202.00MHz	N/A	> 18.1 dB	38.0 dB
3,6-7,8	RH	OK	31.7 dB @ 233.00MHz	N/A	> 16.8 dB	14.9 dB
3,6-5,4	RH	OK	30.3 dB @ 238.50MHz	N/A	> 16.6 dB	13.7 dB
3,6-1,2	RH	OK	45.2 dB @ 233.50MHz	N/A	> 16.8 dB	28.4 dB
5,4-7,8	RH	OK	44.6 dB @ 175.00MHz	N/A	> 19.3 dB	25.3 dB
5,4-3,6	RH	OK	30.8 dB @ 248.50MHz	N/A	> 16.3 dB	14.5 dB
5,4-1,2	RH	OK	38.2 dB @ 246.50MHz	N/A	> 16.3 dB	21.9 dB
1,2-7,8	RH	OK	53.7 dB @ 185.50MHz	N/A	> 18.8 dB	34.9 dB
1,2-3,6	RH	OK	45.0 dB @ 183.00MHz	N/A	> 18.9 dB	26.1 dB
1,2-5,4	RH	OK	38.8 dB @ 246.50MHz	N/A	> 16.3 dB	22.5 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.1 dB @ 231.00MHz	N/A	> 32.9 dB	9.2 dB
3,6	DH	OK	41.3 dB @ 250.00MHz	N/A	> 32.3 dB	9.0 dB
5,4	DH	OK	47.4 dB @ 250.00MHz	N/A	> 32.3 dB	15.1 dB
1,2	DH	OK	44.7 dB @ 242.50MHz	N/A	> 32.5 dB	12.2 dB
7,8	RH	OK	44.1 dB @ 239.50MHz	N/A	> 32.6 dB	11.5 dB
3,6	RH	OK	45.9 dB @ 219.00MHz	N/A	> 33.3 dB	12.6 dB
5,4	RH	OK	44.2 dB @ 239.50MHz	N/A	> 32.6 dB	11.6 dB
1,2	RH	OK	47.4 dB @ 249.00MHz	N/A	> 32.3 dB	15.1 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.7 dB @ 235.00MHz	N/A	>= 2.8 dB	28.9 dB
3,6	DH	OK	30.2 dB @ 241.00MHz	N/A	>= 2.1 dB	28.1 dB
5,4	DH	OK	36.4 dB @ 248.50MHz	N/A	>= 1.4 dB	35.0 dB
1,2	DH	OK	34.5 dB @ 242.50MHz	N/A	>= 1.9 dB	32.6 dB
7,8	RH	OK	33.4 dB @ 239.00MHz	N/A	>= 2.3 dB	31.1 dB
3,6	RH	OK	35.4 dB @ 219.00MHz	N/A	>= 4.4 dB	31.0 dB
5,4	RH	OK	33.3 dB @ 239.00MHz	N/A	>= 2.3 dB	31.0 dB
1,2	RH	OK	36.8 dB @ 246.50MHz	N/A	>= 1.5 dB	35.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.1 dB @ 235.00MHz	N/A	>= 13.7 dB	18.4 dB
3,6	DH	OK	28.5 dB @ 250.00MHz	N/A	>= 13.2 dB	15.3 dB
5,4	DH	OK	29.6 dB @ 248.50MHz	N/A	>= 13.3 dB	16.3 dB
1,2	DH	OK	37.8 dB @ 246.50MHz	N/A	>= 13.3 dB	24.5 dB
7,8	RH	OK	32.3 dB @ 247.50MHz	N/A	>= 13.3 dB	19.0 dB
3,6	RH	OK	28.0 dB @ 238.50MHz	N/A	>= 13.6 dB	14.4 dB
5,4	RH	OK	30.1 dB @ 248.50MHz	N/A	>= 13.3 dB	16.8 dB
1,2	RH	OK	37.9 dB @ 246.50MHz	N/A	>= 13.3 dB	24.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

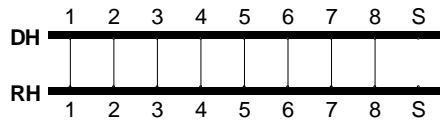
ID cavo 1: 0158  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:12:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	34.0m	35.0m	35.8m	34.1m	< 90.0m	OK
Ritardo di propag.	172.7ns	177.1ns	181.0ns	172.8ns	< 510.0ns	OK
Diff. t. ritardo	8.3ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.1 Ohm	99.2 Ohm	96.0 Ohm	101.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	8.1 Ohm	8.2 Ohm	9.0 Ohm	8.3 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.6pF/m	49.2pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	8.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.3 dB @ 234.00MHz	N/A	> 35.8 dB	6.5 dB
7,8-5,4	DH	OK	50.7 dB @ 232.50MHz	N/A	> 35.8 dB	14.9 dB
7,8-1,2	DH	OK	54.9 dB @ 233.00MHz	N/A	> 35.8 dB	19.1 dB
3,6-5,4	DH	OK	50.6 dB @ 232.00MHz	N/A	> 35.8 dB	14.8 dB
3,6-1,2	DH	OK	47.3 dB @ 227.50MHz	N/A	> 36.0 dB	11.3 dB
5,4-1,2	DH	OK	49.6 dB @ 250.00MHz	N/A	> 35.3 dB	14.3 dB
7,8-3,6	RH	OK	47.2 dB @ 190.50MHz	N/A	> 37.2 dB	10.0 dB
7,8-5,4	RH	OK	46.2 dB @ 233.00MHz	N/A	> 35.8 dB	10.4 dB
7,8-1,2	RH	OK	52.2 dB @ 246.50MHz	N/A	> 35.4 dB	16.8 dB
3,6-5,4	RH	OK	51.3 dB @ 239.00MHz	N/A	> 35.6 dB	15.7 dB
3,6-1,2	RH	OK	48.0 dB @ 223.00MHz	N/A	> 36.1 dB	11.9 dB
5,4-1,2	RH	OK	48.8 dB @ 250.00MHz	N/A	> 35.3 dB	13.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.6 dB @ 228.50MHz	N/A	> 10.4 dB	5.2 dB
3,6	DH	OK	16.1 dB @ 230.00MHz	N/A	> 10.4 dB	5.7 dB
5,4	DH	OK	16.3 dB @ 229.00MHz	N/A	> 10.4 dB	5.9 dB
1,2	DH	OK	16.1 dB @ 219.50MHz	N/A	> 10.6 dB	5.5 dB
7,8	RH	OK	14.9 dB @ 220.00MHz	N/A	> 10.6 dB	4.3 dB
3,6	RH	OK	16.5 dB @ 169.50MHz	N/A	> 11.7 dB	4.8 dB
5,4	RH	OK	18.1 dB @ 225.50MHz	N/A	> 10.5 dB	7.6 dB
1,2	RH	OK	15.8 dB @ 175.50MHz	N/A	> 11.5 dB	4.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.4 dB @ 248.50MHz	N/A	< 31.0 dB	19.6 dB
3,6	OK	11.6 dB @ 234.50MHz	N/A	< 30.0 dB	18.4 dB
5,4	OK	11.9 dB @ 246.50MHz	N/A	< 30.9 dB	19.0 dB
1,2	OK	11.0 dB @ 230.00MHz	N/A	< 29.7 dB	18.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	31.1 dB @ 234.00MHz	N/A	>= 5.8 dB	25.3 dB
3,6	DH	OK	31.1 dB @ 234.50MHz	N/A	>= 5.8 dB	25.3 dB
5,4	DH	OK	38.5 dB @ 250.00MHz	N/A	>= 4.1 dB	34.4 dB
1,2	DH	OK	37.2 dB @ 230.00MHz	N/A	>= 6.2 dB	31.0 dB
7,8	RH	OK	35.5 dB @ 234.00MHz	N/A	>= 5.8 dB	29.7 dB
3,6	RH	OK	37.4 dB @ 228.50MHz	N/A	>= 6.4 dB	31.0 dB
5,4	RH	OK	34.6 dB @ 246.50MHz	N/A	>= 4.5 dB	30.1 dB
1,2	RH	OK	38.1 dB @ 250.00MHz	N/A	>= 4.1 dB	34.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0158  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:12:54  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	33.6 dB @ 249.50MHz	N/A	> 16.2 dB	17.4 dB
7,8-5,4	DH	OK	47.9 dB @ 180.50MHz	N/A	> 19.0 dB	28.9 dB
7,8-1,2	DH	OK	43.3 dB @ 230.00MHz	N/A	> 16.9 dB	26.4 dB
3,6-7,8	DH	OK	33.0 dB @ 234.00MHz	N/A	> 16.8 dB	16.2 dB
3,6-5,4	DH	OK	32.5 dB @ 243.00MHz	N/A	> 16.5 dB	16.0 dB
3,6-1,2	DH	OK	41.1 dB @ 179.50MHz	N/A	> 19.1 dB	22.0 dB
5,4-7,8	DH	OK	46.4 dB @ 206.50MHz	N/A	> 17.9 dB	28.5 dB
5,4-3,6	DH	OK	32.9 dB @ 250.00MHz	N/A	> 16.2 dB	16.7 dB
5,4-1,2	DH	OK	36.6 dB @ 230.00MHz	N/A	> 16.9 dB	19.7 dB
1,2-7,8	DH	OK	43.6 dB @ 234.00MHz	N/A	> 16.8 dB	26.8 dB
1,2-3,6	DH	OK	41.3 dB @ 176.50MHz	N/A	> 19.2 dB	22.1 dB
1,2-5,4	DH	OK	35.5 dB @ 246.50MHz	N/A	> 16.3 dB	19.2 dB
7,8-3,6	RH	OK	33.9 dB @ 248.50MHz	N/A	> 16.3 dB	17.6 dB
7,8-5,4	RH	OK	48.4 dB @ 215.00MHz	N/A	> 17.5 dB	30.9 dB
7,8-1,2	RH	OK	43.7 dB @ 229.50MHz	N/A	> 16.9 dB	26.8 dB
3,6-7,8	RH	OK	32.7 dB @ 234.50MHz	N/A	> 16.8 dB	15.9 dB
3,6-5,4	RH	OK	32.5 dB @ 248.00MHz	N/A	> 16.3 dB	16.2 dB
3,6-1,2	RH	OK	40.3 dB @ 179.50MHz	N/A	> 19.1 dB	21.2 dB
5,4-7,8	RH	OK	46.0 dB @ 203.50MHz	N/A	> 18.0 dB	28.0 dB
5,4-3,6	RH	OK	32.9 dB @ 250.00MHz	N/A	> 16.2 dB	16.7 dB
5,4-1,2	RH	OK	35.7 dB @ 246.50MHz	N/A	> 16.3 dB	19.4 dB
1,2-7,8	RH	OK	43.3 dB @ 230.00MHz	N/A	> 16.9 dB	26.4 dB
1,2-3,6	RH	OK	41.7 dB @ 176.50MHz	N/A	> 19.2 dB	22.5 dB
1,2-5,4	RH	OK	35.7 dB @ 230.00MHz	N/A	> 16.9 dB	18.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.8 dB @ 233.50MHz	N/A	> 32.8 dB	9.0 dB
3,6	DH	OK	41.2 dB @ 234.00MHz	N/A	> 32.8 dB	8.4 dB
5,4	DH	OK	47.2 dB @ 232.50MHz	N/A	> 32.8 dB	14.4 dB
1,2	DH	OK	46.0 dB @ 227.50MHz	N/A	> 33.0 dB	13.0 dB
7,8	RH	OK	43.9 dB @ 246.00MHz	N/A	> 32.4 dB	11.5 dB
3,6	RH	OK	45.2 dB @ 223.00MHz	N/A	> 33.1 dB	12.1 dB
5,4	RH	OK	44.4 dB @ 248.00MHz	N/A	> 32.4 dB	12.0 dB
1,2	RH	OK	46.0 dB @ 247.00MHz	N/A	> 32.4 dB	13.6 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.8 dB @ 234.00MHz	N/A	>= 2.8 dB	28.0 dB
3,6	DH	OK	30.0 dB @ 234.50MHz	N/A	>= 2.8 dB	27.2 dB
5,4	DH	OK	36.1 dB @ 232.50MHz	N/A	>= 2.9 dB	33.2 dB
1,2	DH	OK	35.8 dB @ 230.00MHz	N/A	>= 3.2 dB	32.6 dB
7,8	RH	OK	33.4 dB @ 245.50MHz	N/A	>= 1.6 dB	31.8 dB
3,6	RH	OK	34.6 dB @ 224.00MHz	N/A	>= 3.9 dB	30.7 dB
5,4	RH	OK	32.9 dB @ 246.50MHz	N/A	>= 1.5 dB	31.4 dB
1,2	RH	OK	35.7 dB @ 247.00MHz	N/A	>= 1.5 dB	34.2 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.5 dB @ 234.00MHz	N/A	>= 13.8 dB	18.7 dB
3,6	DH	OK	30.2 dB @ 249.50MHz	N/A	>= 13.2 dB	17.0 dB
5,4	DH	OK	30.7 dB @ 246.50MHz	N/A	>= 13.3 dB	17.4 dB
1,2	DH	OK	35.1 dB @ 230.00MHz	N/A	>= 13.9 dB	21.2 dB
7,8	RH	OK	33.6 dB @ 248.50MHz	N/A	>= 13.3 dB	20.3 dB
3,6	RH	OK	29.8 dB @ 242.00MHz	N/A	>= 13.5 dB	16.3 dB
5,4	RH	OK	31.1 dB @ 246.50MHz	N/A	>= 13.3 dB	17.8 dB
1,2	RH	OK	34.5 dB @ 230.00MHz	N/A	>= 13.9 dB	20.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

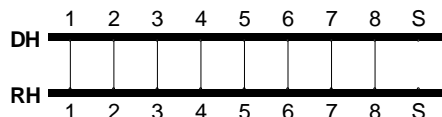
**OK**

ID cavo 1: 0159  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:15:34  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	34.8m	35.8m	36.6m	34.8m	< 90.0m	OK
Ritardo di propag.	176.1ns	180.8ns	184.6ns	176.2ns	< 510.0ns	OK
Diff. t. ritardo	8.5ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.2 Ohm	99.8 Ohm	97.3 Ohm	101.9 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	7.7 Ohm	7.8 Ohm	8.5 Ohm	7.8 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.3pF/m	48.5pF/m	46.3pF/m	< 66.0pF/m	OK
Riserva	8.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.9 dB @ 235.50MHz	N/A	> 35.7 dB	5.2 dB
7,8-5,4	DH	OK	53.6 dB @ 184.50MHz	N/A	> 37.5 dB	16.1 dB
7,8-1,2	DH	OK	62.7 dB @ 210.50MHz	N/A	> 36.5 dB	26.2 dB
3,6-5,4	DH	OK	51.3 dB @ 233.50MHz	N/A	> 35.8 dB	15.5 dB
3,6-1,2	DH	OK	44.4 dB @ 241.00MHz	N/A	> 35.6 dB	8.8 dB
5,4-1,2	DH	OK	49.1 dB @ 241.50MHz	N/A	> 35.6 dB	13.5 dB
7,8-3,6	RH	OK	44.6 dB @ 248.50MHz	N/A	> 35.4 dB	9.2 dB
7,8-5,4	RH	OK	46.0 dB @ 235.00MHz	N/A	> 35.8 dB	10.2 dB
7,8-1,2	RH	OK	54.3 dB @ 215.00MHz	N/A	> 36.4 dB	17.9 dB
3,6-5,4	RH	OK	51.6 dB @ 231.50MHz	N/A	> 35.9 dB	15.7 dB
3,6-1,2	RH	OK	45.5 dB @ 241.00MHz	N/A	> 35.6 dB	9.9 dB
5,4-1,2	RH	OK	45.4 dB @ 248.00MHz	N/A	> 35.4 dB	10.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.5 dB @ 218.00MHz	N/A	> 10.6 dB	5.9 dB
3,6	DH	OK	16.0 dB @ 234.00MHz	N/A	> 10.3 dB	5.7 dB
5,4	DH	OK	16.4 dB @ 232.00MHz	N/A	> 10.3 dB	6.1 dB
1,2	DH	OK	17.1 dB @ 218.00MHz	N/A	> 10.6 dB	6.5 dB
7,8	RH	OK	14.7 dB @ 224.50MHz	N/A	> 10.5 dB	4.2 dB
3,6	RH	OK	16.0 dB @ 228.00MHz	N/A	> 10.4 dB	5.6 dB
5,4	RH	OK	16.9 dB @ 229.50MHz	N/A	> 10.4 dB	6.5 dB
1,2	RH	OK	14.9 dB @ 162.50MHz	N/A	> 11.9 dB	3.0 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	11.1 dB @ 246.50MHz	N/A	< 30.9 dB	19.8 dB
3,6	OK	12.2 dB @ 223.50MHz	N/A	< 29.2 dB	17.0 dB
5,4	OK	11.9 dB @ 243.00MHz	N/A	< 30.6 dB	18.7 dB
1,2	OK	10.9 dB @ 244.00MHz	N/A	< 30.7 dB	19.8 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	30.3 dB @ 232.00MHz	N/A	>= 6.0 dB	24.3 dB
3,6	DH	OK	30.0 dB @ 232.50MHz	N/A	>= 5.9 dB	24.1 dB
5,4	DH	OK	37.6 dB @ 241.50MHz	N/A	>= 5.1 dB	32.5 dB
1,2	DH	OK	33.9 dB @ 241.00MHz	N/A	>= 5.1 dB	28.8 dB
7,8	RH	OK	34.1 dB @ 249.00MHz	N/A	>= 4.2 dB	29.9 dB
3,6	RH	OK	33.6 dB @ 248.50MHz	N/A	>= 4.4 dB	29.2 dB
5,4	RH	OK	34.0 dB @ 248.00MHz	N/A	>= 4.4 dB	29.6 dB
1,2	RH	OK	34.6 dB @ 248.00MHz	N/A	>= 4.4 dB	30.2 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0159  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:15:34  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.5 dB @ 249.00MHz	N/A	> 16.2 dB	16.3 dB
7,8-5,4	DH	OK	44.5 dB @ 159.00MHz	N/A	> 20.1 dB	24.4 dB
7,8-1,2	DH	OK	43.4 dB @ 227.50MHz	N/A	> 17.0 dB	26.4 dB
3,6-7,8	DH	OK	31.3 dB @ 232.00MHz	N/A	> 16.9 dB	14.4 dB
3,6-5,4	DH	OK	32.1 dB @ 247.00MHz	N/A	> 16.3 dB	15.8 dB
3,6-1,2	DH	OK	41.1 dB @ 181.50MHz	N/A	> 19.0 dB	22.1 dB
5,4-7,8	DH	OK	43.4 dB @ 167.50MHz	N/A	> 19.7 dB	23.7 dB
5,4-3,6	DH	OK	32.7 dB @ 250.00MHz	N/A	> 16.2 dB	16.5 dB
5,4-1,2	DH	OK	38.2 dB @ 230.50MHz	N/A	> 16.9 dB	21.3 dB
1,2-7,8	DH	OK	43.1 dB @ 214.00MHz	N/A	> 17.6 dB	25.5 dB
1,2-3,6	DH	OK	40.5 dB @ 176.00MHz	N/A	> 19.2 dB	21.3 dB
1,2-5,4	DH	OK	36.1 dB @ 243.00MHz	N/A	> 16.5 dB	19.6 dB
7,8-3,6	RH	OK	32.7 dB @ 249.00MHz	N/A	> 16.2 dB	16.5 dB
7,8-5,4	RH	OK	44.9 dB @ 159.50MHz	N/A	> 20.1 dB	24.8 dB
7,8-1,2	RH	OK	43.1 dB @ 223.50MHz	N/A	> 17.2 dB	25.9 dB
3,6-7,8	RH	OK	30.3 dB @ 230.50MHz	N/A	> 16.9 dB	13.4 dB
3,6-5,4	RH	OK	32.5 dB @ 245.00MHz	N/A	> 16.4 dB	16.1 dB
3,6-1,2	RH	OK	40.7 dB @ 182.00MHz	N/A	> 19.0 dB	21.7 dB
5,4-7,8	RH	OK	43.0 dB @ 171.00MHz	N/A	> 19.5 dB	23.5 dB
5,4-3,6	RH	OK	32.3 dB @ 247.00MHz	N/A	> 16.3 dB	16.0 dB
5,4-1,2	RH	OK	37.3 dB @ 242.50MHz	N/A	> 16.5 dB	20.8 dB
1,2-7,8	RH	OK	43.2 dB @ 230.50MHz	N/A	> 16.9 dB	26.3 dB
1,2-3,6	RH	OK	41.0 dB @ 175.50MHz	N/A	> 19.3 dB	21.7 dB
1,2-5,4	RH	OK	37.2 dB @ 248.00MHz	N/A	> 16.3 dB	20.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.8 dB @ 235.50MHz	N/A	> 32.7 dB	8.1 dB
3,6	DH	OK	40.0 dB @ 249.00MHz	N/A	> 32.3 dB	7.7 dB
5,4	DH	OK	48.4 dB @ 243.00MHz	N/A	> 32.5 dB	15.9 dB
1,2	DH	OK	43.3 dB @ 241.00MHz	N/A	> 32.6 dB	10.7 dB
7,8	RH	OK	43.4 dB @ 248.50MHz	N/A	> 32.4 dB	11.0 dB
3,6	RH	OK	42.8 dB @ 248.50MHz	N/A	> 32.4 dB	10.4 dB
5,4	RH	OK	43.2 dB @ 234.50MHz	N/A	> 32.8 dB	10.4 dB
1,2	RH	OK	43.4 dB @ 231.00MHz	N/A	> 32.9 dB	10.5 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.1 dB @ 232.00MHz	N/A	>= 3.0 dB	27.1 dB
3,6	DH	OK	28.7 dB @ 245.00MHz	N/A	>= 1.7 dB	27.0 dB
5,4	DH	OK	36.5 dB @ 243.00MHz	N/A	>= 1.9 dB	34.6 dB
1,2	DH	OK	32.8 dB @ 241.00MHz	N/A	>= 2.1 dB	30.7 dB
7,8	RH	OK	32.9 dB @ 232.50MHz	N/A	>= 2.9 dB	30.0 dB
3,6	RH	OK	31.8 dB @ 248.50MHz	N/A	>= 1.4 dB	30.4 dB
5,4	RH	OK	31.7 dB @ 247.00MHz	N/A	>= 1.5 dB	30.2 dB
1,2	RH	OK	32.7 dB @ 248.00MHz	N/A	>= 1.4 dB	31.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.0 dB @ 232.00MHz	N/A	>= 13.9 dB	17.1 dB
3,6	DH	OK	29.6 dB @ 250.00MHz	N/A	>= 13.2 dB	16.4 dB
5,4	DH	OK	30.6 dB @ 247.00MHz	N/A	>= 13.3 dB	17.3 dB
1,2	DH	OK	36.6 dB @ 230.50MHz	N/A	>= 13.9 dB	22.7 dB
7,8	RH	OK	32.4 dB @ 249.00MHz	N/A	>= 13.2 dB	19.2 dB
3,6	RH	OK	28.7 dB @ 230.50MHz	N/A	>= 13.9 dB	14.8 dB
5,4	RH	OK	31.2 dB @ 249.50MHz	N/A	>= 13.2 dB	18.0 dB
1,2	RH	OK	35.8 dB @ 227.50MHz	N/A	>= 14.0 dB	21.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

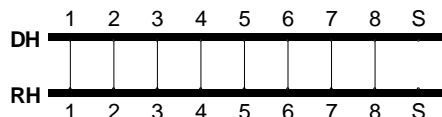
ID cavo 1: 0160  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:17:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	30.8m	31.7m	32.4m	31.0m	< 90.0m	OK
Ritardo di propag.	157.7ns	161.8ns	165.0ns	158.4ns	< 510.0ns	OK
Diff. t. ritardo	7.3ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.1 Ohm	99.7 Ohm	96.6 Ohm	102.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.8 Ohm	7.2 Ohm	8.4 Ohm	7.2 Ohm	< 20.0 Ohm	OK
Capacità	47.2pF/m	47.4pF/m	48.9pF/m	46.0pF/m	< 66.0pF/m	OK
Riserva	6.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.4 dB @ 235.50MHz	N/A	> 35.7 dB	5.7 dB
7,8-5,4	DH	OK	50.4 dB @ 226.00MHz	N/A	> 36.0 dB	14.4 dB
7,8-1,2	DH	OK	54.8 dB @ 226.50MHz	N/A	> 36.0 dB	18.8 dB
3,6-5,4	DH	OK	53.3 dB @ 131.50MHz	N/A	> 39.9 dB	13.4 dB
3,6-1,2	DH	OK	43.3 dB @ 243.50MHz	N/A	> 35.5 dB	7.8 dB
5,4-1,2	DH	OK	47.6 dB @ 248.00MHz	N/A	> 35.4 dB	12.2 dB
7,8-3,6	RH	OK	44.1 dB @ 249.50MHz	N/A	> 35.3 dB	8.8 dB
7,8-5,4	RH	OK	48.2 dB @ 169.50MHz	N/A	> 38.1 dB	10.1 dB
7,8-1,2	RH	OK	46.6 dB @ 227.50MHz	N/A	> 36.0 dB	10.6 dB
3,6-5,4	RH	OK	48.0 dB @ 239.50MHz	N/A	> 35.6 dB	12.4 dB
3,6-1,2	RH	OK	46.7 dB @ 243.50MHz	N/A	> 35.5 dB	11.2 dB
5,4-1,2	RH	OK	52.1 dB @ 245.00MHz	N/A	> 35.5 dB	16.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.5 dB @ 228.50MHz	N/A	> 10.4 dB	5.1 dB
3,6	DH	OK	15.6 dB @ 226.50MHz	N/A	> 10.4 dB	5.2 dB
5,4	DH	OK	16.1 dB @ 231.50MHz	N/A	> 10.3 dB	5.8 dB
1,2	DH	OK	16.4 dB @ 217.00MHz	N/A	> 10.6 dB	5.8 dB
7,8	RH	OK	16.1 dB @ 224.50MHz	N/A	> 10.5 dB	5.6 dB
3,6	RH	OK	14.1 dB @ 223.50MHz	N/A	> 10.5 dB	3.6 dB
5,4	RH	OK	16.1 dB @ 219.00MHz	N/A	> 10.6 dB	5.5 dB
1,2	RH	OK	17.2 dB @ 224.00MHz	N/A	> 10.5 dB	6.7 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	9.9 dB @ 250.00MHz	N/A	< 31.2 dB	21.3 dB
3,6	OK	10.6 dB @ 242.50MHz	N/A	< 30.6 dB	20.0 dB
5,4	OK	10.6 dB @ 247.50MHz	N/A	< 31.0 dB	20.4 dB
1,2	OK	9.8 dB @ 223.00MHz	N/A	< 29.2 dB	19.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	32.1 dB @ 231.50MHz	N/A	>= 6.1 dB	26.0 dB
3,6	DH	OK	31.3 dB @ 235.50MHz	N/A	>= 5.6 dB	25.7 dB
5,4	DH	OK	37.3 dB @ 247.50MHz	N/A	>= 4.4 dB	32.9 dB
1,2	DH	OK	33.9 dB @ 248.50MHz	N/A	>= 4.4 dB	29.5 dB
7,8	RH	OK	34.3 dB @ 250.00MHz	N/A	>= 4.1 dB	30.2 dB
3,6	RH	OK	34.4 dB @ 249.50MHz	N/A	>= 4.2 dB	30.2 dB
5,4	RH	OK	38.0 dB @ 239.50MHz	N/A	>= 5.2 dB	32.8 dB
1,2	RH	OK	37.2 dB @ 227.50MHz	N/A	>= 6.5 dB	30.7 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0160  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:17:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	38.9 dB @ 224.00MHz	N/A	> 17.2 dB	21.7 dB
7,8-5,4	DH	OK	34.9 dB @ 218.50MHz	N/A	> 17.4 dB	17.5 dB
7,8-1,2	DH	OK	48.2 dB @ 170.00MHz	N/A	> 19.5 dB	28.7 dB
3,6-7,8	DH	OK	37.3 dB @ 233.00MHz	N/A	> 16.8 dB	20.5 dB
3,6-5,4	DH	OK	37.0 dB @ 241.50MHz	N/A	> 16.5 dB	20.5 dB
3,6-1,2	DH	OK	45.3 dB @ 211.00MHz	N/A	> 17.7 dB	27.6 dB
5,4-7,8	DH	OK	35.4 dB @ 211.00MHz	N/A	> 17.7 dB	17.7 dB
5,4-3,6	DH	OK	39.3 dB @ 248.50MHz	N/A	> 16.3 dB	23.0 dB
5,4-1,2	DH	OK	36.4 dB @ 250.00MHz	N/A	> 16.2 dB	20.2 dB
1,2-7,8	DH	OK	43.4 dB @ 223.00MHz	N/A	> 17.2 dB	26.2 dB
1,2-3,6	DH	OK	40.0 dB @ 235.50MHz	N/A	> 16.7 dB	23.3 dB
1,2-5,4	DH	OK	36.2 dB @ 247.50MHz	N/A	> 16.3 dB	19.9 dB
7,8-3,6	RH	OK	39.0 dB @ 250.00MHz	N/A	> 16.2 dB	22.8 dB
7,8-5,4	RH	OK	35.8 dB @ 213.50MHz	N/A	> 17.6 dB	18.2 dB
7,8-1,2	RH	OK	47.8 dB @ 170.00MHz	N/A	> 19.5 dB	28.3 dB
3,6-7,8	RH	OK	36.4 dB @ 233.00MHz	N/A	> 16.8 dB	19.6 dB
3,6-5,4	RH	OK	37.1 dB @ 242.50MHz	N/A	> 16.5 dB	20.6 dB
3,6-1,2	RH	OK	44.5 dB @ 207.00MHz	N/A	> 17.8 dB	26.7 dB
5,4-7,8	RH	OK	35.1 dB @ 213.00MHz	N/A	> 17.6 dB	17.5 dB
5,4-3,6	RH	OK	39.0 dB @ 249.50MHz	N/A	> 16.2 dB	22.8 dB
5,4-1,2	RH	OK	35.4 dB @ 249.50MHz	N/A	> 16.2 dB	19.2 dB
1,2-7,8	RH	OK	43.0 dB @ 223.00MHz	N/A	> 17.2 dB	25.8 dB
1,2-3,6	RH	OK	40.5 dB @ 234.50MHz	N/A	> 16.8 dB	23.7 dB
1,2-5,4	RH	OK	36.8 dB @ 250.00MHz	N/A	> 16.2 dB	20.6 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.0 dB @ 235.50MHz	N/A	> 32.7 dB	8.3 dB
3,6	DH	OK	39.8 dB @ 249.50MHz	N/A	> 32.3 dB	7.5 dB
5,4	DH	OK	46.3 dB @ 248.00MHz	N/A	> 32.4 dB	13.9 dB
1,2	DH	OK	42.1 dB @ 248.50MHz	N/A	> 32.4 dB	9.7 dB
7,8	RH	OK	42.0 dB @ 250.00MHz	N/A	> 32.3 dB	9.7 dB
3,6	RH	OK	42.5 dB @ 243.00MHz	N/A	> 32.5 dB	10.0 dB
5,4	RH	OK	45.5 dB @ 226.00MHz	N/A	> 33.0 dB	12.5 dB
1,2	RH	OK	44.8 dB @ 244.00MHz	N/A	> 32.5 dB	12.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.7 dB @ 234.50MHz	N/A	>= 2.8 dB	28.9 dB
3,6	DH	OK	29.2 dB @ 242.50MHz	N/A	>= 1.9 dB	27.3 dB
5,4	DH	OK	35.8 dB @ 244.50MHz	N/A	>= 1.8 dB	34.0 dB
1,2	DH	OK	32.5 dB @ 248.00MHz	N/A	>= 1.4 dB	31.1 dB
7,8	RH	OK	32.1 dB @ 250.00MHz	N/A	>= 1.1 dB	31.0 dB
3,6	RH	OK	32.4 dB @ 242.50MHz	N/A	>= 1.9 dB	30.5 dB
5,4	RH	OK	35.3 dB @ 241.50MHz	N/A	>= 2.1 dB	33.2 dB
1,2	RH	OK	35.3 dB @ 244.00MHz	N/A	>= 1.8 dB	33.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.0 dB @ 231.50MHz	N/A	>= 13.9 dB	20.1 dB
3,6	DH	OK	35.3 dB @ 248.50MHz	N/A	>= 13.3 dB	22.0 dB
5,4	DH	OK	32.0 dB @ 230.50MHz	N/A	>= 13.9 dB	18.1 dB
1,2	DH	OK	35.9 dB @ 249.00MHz	N/A	>= 13.2 dB	22.7 dB
7,8	RH	OK	34.2 dB @ 229.00MHz	N/A	>= 14.0 dB	20.2 dB
3,6	RH	OK	33.9 dB @ 233.00MHz	N/A	>= 13.8 dB	20.1 dB
5,4	RH	OK	32.0 dB @ 249.50MHz	N/A	>= 13.2 dB	18.8 dB
1,2	RH	OK	35.3 dB @ 250.00MHz	N/A	>= 13.2 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

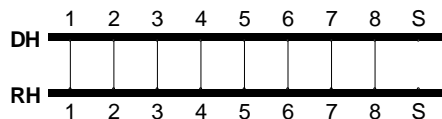
**OK**

ID cavo 1: 0161  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:19:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	57.9m	59.4m	60.6m	57.6m	< 90.0m	OK
Ritardo di propag.	283.2ns	290.1ns	295.8ns	281.8ns	< 510.0ns	OK
Diff. t. ritardo	14.0ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.9 Ohm	99.7 Ohm	98.5 Ohm	102.3 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.2 Ohm	11.5 Ohm	12.2 Ohm	11.5 Ohm	< 20.0 Ohm	OK
Capacità	47.3pF/m	47.3pF/m	47.9pF/m	46.1pF/m	< 66.0pF/m	OK
Riserva	9.4 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.2 dB @ 234.50MHz	N/A	> 35.8 dB	5.4 dB
7,8-5,4	DH	OK	51.2 dB @ 243.50MHz	N/A	> 35.5 dB	15.7 dB
7,8-1,2	DH	OK	60.3 dB @ 172.00MHz	N/A	> 38.0 dB	22.3 dB
3,6-5,4	DH	OK	52.9 dB @ 230.00MHz	N/A	> 35.9 dB	17.0 dB
3,6-1,2	DH	OK	44.8 dB @ 244.00MHz	N/A	> 35.5 dB	9.3 dB
5,4-1,2	DH	OK	49.3 dB @ 250.00MHz	N/A	> 35.3 dB	14.0 dB
7,8-3,6	RH	OK	47.8 dB @ 246.00MHz	N/A	> 35.4 dB	12.4 dB
7,8-5,4	RH	OK	46.0 dB @ 233.00MHz	N/A	> 35.8 dB	10.2 dB
7,8-1,2	RH	OK	52.7 dB @ 234.50MHz	N/A	> 35.8 dB	16.9 dB
3,6-5,4	RH	OK	52.9 dB @ 129.50MHz	N/A	> 40.0 dB	12.9 dB
3,6-1,2	RH	OK	50.6 dB @ 217.00MHz	N/A	> 36.3 dB	14.3 dB
5,4-1,2	RH	OK	48.2 dB @ 250.00MHz	N/A	> 35.3 dB	12.9 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.5 dB @ 228.50MHz	N/A	> 10.4 dB	5.1 dB
3,6	DH	OK	15.4 dB @ 233.50MHz	N/A	> 10.3 dB	5.1 dB
5,4	DH	OK	17.3 dB @ 227.00MHz	N/A	> 10.4 dB	6.9 dB
1,2	DH	OK	17.8 dB @ 223.00MHz	N/A	> 10.5 dB	7.3 dB
7,8	RH	OK	15.9 dB @ 224.50MHz	N/A	> 10.5 dB	5.4 dB
3,6	RH	OK	16.0 dB @ 221.00MHz	N/A	> 10.5 dB	5.5 dB
5,4	RH	OK	18.6 dB @ 232.50MHz	N/A	> 10.3 dB	8.3 dB
1,2	RH	OK	17.3 dB @ 168.00MHz	N/A	> 11.7 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	18.3 dB @ 248.50MHz	N/A	< 31.0 dB	12.7 dB
3,6	OK	19.1 dB @ 244.50MHz	N/A	< 30.7 dB	11.6 dB
5,4	OK	18.7 dB @ 248.50MHz	N/A	< 31.0 dB	12.3 dB
1,2	OK	17.8 dB @ 249.00MHz	N/A	< 31.1 dB	13.3 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	23.9 dB @ 234.50MHz	N/A	>= 5.8 dB	18.1 dB
3,6	DH	OK	23.1 dB @ 234.00MHz	N/A	>= 5.8 dB	17.3 dB
5,4	DH	OK	31.0 dB @ 250.00MHz	N/A	>= 4.1 dB	26.9 dB
1,2	DH	OK	27.7 dB @ 244.00MHz	N/A	>= 4.8 dB	22.9 dB
7,8	RH	OK	28.6 dB @ 232.00MHz	N/A	>= 6.0 dB	22.6 dB
3,6	RH	OK	29.3 dB @ 246.00MHz	N/A	>= 4.5 dB	24.8 dB
5,4	RH	OK	28.1 dB @ 233.50MHz	N/A	>= 5.9 dB	22.2 dB
1,2	RH	OK	31.1 dB @ 250.00MHz	N/A	>= 4.1 dB	27.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0161  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:19:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	37.4 dB @ 177.00MHz	N/A	> 19.2 dB	18.2 dB
7,8-5,4	DH	OK	40.9 dB @ 248.50MHz	N/A	> 16.3 dB	24.6 dB
7,8-1,2	DH	OK	41.9 dB @ 248.00MHz	N/A	> 16.3 dB	25.6 dB
3,6-7,8	DH	OK	39.1 dB @ 157.50MHz	N/A	> 20.2 dB	18.9 dB
3,6-5,4	DH	OK	36.2 dB @ 201.00MHz	N/A	> 18.1 dB	18.1 dB
3,6-1,2	DH	OK	39.1 dB @ 228.50MHz	N/A	> 17.0 dB	22.1 dB
5,4-7,8	DH	OK	40.4 dB @ 250.00MHz	N/A	> 16.2 dB	24.2 dB
5,4-3,6	DH	OK	36.1 dB @ 208.00MHz	N/A	> 17.8 dB	18.3 dB
5,4-1,2	DH	OK	38.0 dB @ 214.50MHz	N/A	> 17.5 dB	20.5 dB
1,2-7,8	DH	OK	41.6 dB @ 248.50MHz	N/A	> 16.3 dB	25.3 dB
1,2-3,6	DH	OK	38.4 dB @ 227.50MHz	N/A	> 17.0 dB	21.4 dB
1,2-5,4	DH	OK	36.8 dB @ 221.00MHz	N/A	> 17.3 dB	19.5 dB
7,8-3,6	RH	OK	38.3 dB @ 157.50MHz	N/A	> 20.2 dB	18.1 dB
7,8-5,4	RH	OK	41.3 dB @ 248.50MHz	N/A	> 16.3 dB	25.0 dB
7,8-1,2	RH	OK	41.6 dB @ 250.00MHz	N/A	> 16.2 dB	25.4 dB
3,6-7,8	RH	OK	38.2 dB @ 177.00MHz	N/A	> 19.2 dB	19.0 dB
3,6-5,4	RH	OK	36.2 dB @ 197.00MHz	N/A	> 18.3 dB	17.9 dB
3,6-1,2	RH	OK	37.1 dB @ 227.50MHz	N/A	> 17.0 dB	20.1 dB
5,4-7,8	RH	OK	39.9 dB @ 250.00MHz	N/A	> 16.2 dB	23.7 dB
5,4-3,6	RH	OK	36.2 dB @ 205.50MHz	N/A	> 17.9 dB	18.3 dB
5,4-1,2	RH	OK	37.1 dB @ 213.00MHz	N/A	> 17.6 dB	19.5 dB
1,2-7,8	RH	OK	42.4 dB @ 249.00MHz	N/A	> 16.2 dB	26.2 dB
1,2-3,6	RH	OK	40.4 dB @ 228.50MHz	N/A	> 17.0 dB	23.4 dB
1,2-5,4	RH	OK	37.8 dB @ 213.50MHz	N/A	> 17.6 dB	20.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.0 dB @ 234.50MHz	N/A	> 32.8 dB	8.2 dB
3,6	DH	OK	40.3 dB @ 234.50MHz	N/A	> 32.8 dB	7.5 dB
5,4	DH	OK	47.3 dB @ 250.00MHz	N/A	> 32.3 dB	15.0 dB
1,2	DH	OK	44.2 dB @ 244.00MHz	N/A	> 32.5 dB	11.7 dB
7,8	RH	OK	43.6 dB @ 233.00MHz	N/A	> 32.8 dB	10.8 dB
3,6	RH	OK	45.8 dB @ 246.00MHz	N/A	> 32.4 dB	13.4 dB
5,4	RH	OK	44.9 dB @ 232.50MHz	N/A	> 32.8 dB	12.1 dB
1,2	RH	OK	45.7 dB @ 250.00MHz	N/A	> 32.3 dB	13.4 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	23.7 dB @ 234.50MHz	N/A	>= 2.8 dB	20.9 dB
3,6	DH	OK	22.1 dB @ 234.00MHz	N/A	>= 2.8 dB	19.3 dB
5,4	DH	OK	29.0 dB @ 250.00MHz	N/A	>= 1.1 dB	27.9 dB
1,2	DH	OK	27.1 dB @ 244.00MHz	N/A	>= 1.8 dB	25.3 dB
7,8	RH	OK	26.3 dB @ 232.00MHz	N/A	>= 3.0 dB	23.3 dB
3,6	RH	OK	27.3 dB @ 246.00MHz	N/A	>= 1.5 dB	25.8 dB
5,4	RH	OK	27.2 dB @ 233.50MHz	N/A	>= 2.9 dB	24.3 dB
1,2	RH	OK	28.6 dB @ 250.00MHz	N/A	>= 1.1 dB	27.5 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	37.1 dB @ 250.00MHz	N/A	>= 13.2 dB	23.9 dB
3,6	DH	OK	33.8 dB @ 177.00MHz	N/A	>= 16.2 dB	17.6 dB
5,4	DH	OK	34.1 dB @ 210.50MHz	N/A	>= 14.7 dB	19.4 dB
1,2	DH	OK	36.3 dB @ 213.50MHz	N/A	>= 14.6 dB	21.7 dB
7,8	RH	OK	37.2 dB @ 248.50MHz	N/A	>= 13.3 dB	23.9 dB
3,6	RH	OK	34.1 dB @ 197.00MHz	N/A	>= 15.3 dB	18.8 dB
5,4	RH	OK	33.8 dB @ 210.50MHz	N/A	>= 14.7 dB	19.1 dB
1,2	RH	OK	36.3 dB @ 222.00MHz	N/A	>= 14.2 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0162  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:20:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

Schema cablaggio



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	57.9m	59.4m	61.0m	57.6m	< 90.0m	OK
Ritardo di propag.	283.2ns	290.3ns	297.6ns	281.7ns	< 510.0ns	OK
Diff. t. ritardo	15.9ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	100.2 Ohm	99.5 Ohm	96.9 Ohm	102.5 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	11.1 Ohm	11.3 Ohm	12.5 Ohm	11.0 Ohm	< 20.0 Ohm	OK
Capacità	47.1pF/m	47.5pF/m	48.7pF/m	46.0pF/m	< 66.0pF/m	OK
Riserva	10.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	43.3 dB @ 247.50MHz	N/A	> 35.4 dB	7.9 dB
7,8-5,4	DH	OK	48.3 dB @ 244.50MHz	N/A	> 35.5 dB	12.8 dB
7,8-1,2	DH	OK	56.9 dB @ 223.00MHz	N/A	> 36.1 dB	20.8 dB
3,6-5,4	DH	OK	53.4 dB @ 175.00MHz	N/A	> 37.9 dB	15.5 dB
3,6-1,2	DH	OK	45.8 dB @ 240.00MHz	N/A	> 35.6 dB	10.2 dB
5,4-1,2	DH	OK	51.2 dB @ 250.00MHz	N/A	> 35.3 dB	15.9 dB
7,8-3,6	RH	OK	46.4 dB @ 228.50MHz	N/A	> 36.0 dB	10.4 dB
7,8-5,4	RH	OK	47.5 dB @ 239.00MHz	N/A	> 35.6 dB	11.9 dB
7,8-1,2	RH	OK	50.8 dB @ 238.00MHz	N/A	> 35.7 dB	15.1 dB
3,6-5,4	RH	OK	52.7 dB @ 218.50MHz	N/A	> 36.3 dB	16.4 dB
3,6-1,2	RH	OK	46.3 dB @ 230.00MHz	N/A	> 35.9 dB	10.4 dB
5,4-1,2	RH	OK	50.1 dB @ 250.00MHz	N/A	> 35.3 dB	14.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.4 dB @ 226.50MHz	N/A	> 10.4 dB	6.0 dB
3,6	DH	OK	16.3 dB @ 230.00MHz	N/A	> 10.4 dB	5.9 dB
5,4	DH	OK	16.9 dB @ 227.50MHz	N/A	> 10.4 dB	6.5 dB
1,2	DH	OK	16.4 dB @ 221.00MHz	N/A	> 10.5 dB	5.9 dB
7,8	RH	OK	14.8 dB @ 219.00MHz	N/A	> 10.6 dB	4.2 dB
3,6	RH	OK	16.4 dB @ 231.50MHz	N/A	> 10.3 dB	6.1 dB
5,4	RH	OK	17.8 dB @ 233.00MHz	N/A	> 10.3 dB	7.5 dB
1,2	RH	OK	17.3 dB @ 221.50MHz	N/A	> 10.5 dB	6.8 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	18.4 dB @ 230.00MHz	N/A	< 29.7 dB	11.3 dB
3,6	OK	18.8 dB @ 248.50MHz	N/A	< 31.0 dB	12.2 dB
5,4	OK	19.4 dB @ 246.00MHz	N/A	< 30.9 dB	11.5 dB
1,2	OK	17.8 dB @ 247.00MHz	N/A	< 30.9 dB	13.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	25.3 dB @ 230.00MHz	N/A	>= 6.2 dB	19.1 dB
3,6	DH	OK	24.9 dB @ 234.00MHz	N/A	>= 5.8 dB	19.1 dB
5,4	DH	OK	29.3 dB @ 246.00MHz	N/A	>= 4.5 dB	24.8 dB
1,2	DH	OK	28.4 dB @ 239.50MHz	N/A	>= 5.2 dB	23.2 dB
7,8	RH	OK	28.9 dB @ 230.00MHz	N/A	>= 6.2 dB	22.7 dB
3,6	RH	OK	28.2 dB @ 230.00MHz	N/A	>= 6.2 dB	22.0 dB
5,4	RH	OK	28.9 dB @ 239.00MHz	N/A	>= 5.3 dB	23.6 dB
1,2	RH	OK	29.2 dB @ 230.00MHz	N/A	>= 6.2 dB	23.0 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0162  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:20:33  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	36.3 dB @ 157.50MHz	N/A	> 20.2 dB	16.1 dB
7,8-5,4	DH	OK	39.3 dB @ 246.00MHz	N/A	> 16.3 dB	23.0 dB
7,8-1,2	DH	OK	38.6 dB @ 247.00MHz	N/A	> 16.3 dB	22.3 dB
3,6-7,8	DH	OK	37.1 dB @ 166.00MHz	N/A	> 19.8 dB	17.3 dB
3,6-5,4	DH	OK	32.9 dB @ 201.50MHz	N/A	> 18.1 dB	14.8 dB
3,6-1,2	DH	OK	45.9 dB @ 230.00MHz	N/A	> 16.9 dB	29.0 dB
5,4-7,8	DH	OK	39.5 dB @ 249.00MHz	N/A	> 16.2 dB	23.3 dB
5,4-3,6	DH	OK	33.2 dB @ 208.00MHz	N/A	> 17.8 dB	15.4 dB
5,4-1,2	DH	OK	38.0 dB @ 211.50MHz	N/A	> 17.7 dB	20.3 dB
1,2-7,8	DH	OK	38.1 dB @ 250.00MHz	N/A	> 16.2 dB	21.9 dB
1,2-3,6	DH	OK	40.3 dB @ 229.50MHz	N/A	> 16.9 dB	23.4 dB
1,2-5,4	DH	OK	36.2 dB @ 208.50MHz	N/A	> 17.8 dB	18.4 dB
7,8-3,6	RH	OK	36.6 dB @ 159.50MHz	N/A	> 20.1 dB	16.5 dB
7,8-5,4	RH	OK	40.5 dB @ 249.00MHz	N/A	> 16.2 dB	24.3 dB
7,8-1,2	RH	OK	38.3 dB @ 249.00MHz	N/A	> 16.2 dB	22.1 dB
3,6-7,8	RH	OK	36.7 dB @ 176.50MHz	N/A	> 19.2 dB	17.5 dB
3,6-5,4	RH	OK	33.5 dB @ 202.50MHz	N/A	> 18.0 dB	15.5 dB
3,6-1,2	RH	OK	44.6 dB @ 227.50MHz	N/A	> 17.0 dB	27.6 dB
5,4-7,8	RH	OK	38.4 dB @ 249.50MHz	N/A	> 16.2 dB	22.2 dB
5,4-3,6	RH	OK	32.4 dB @ 208.50MHz	N/A	> 17.8 dB	14.6 dB
5,4-1,2	RH	OK	36.3 dB @ 208.50MHz	N/A	> 17.8 dB	18.5 dB
1,2-7,8	RH	OK	38.5 dB @ 250.00MHz	N/A	> 16.2 dB	22.3 dB
1,2-3,6	RH	OK	41.8 dB @ 232.50MHz	N/A	> 16.8 dB	25.0 dB
1,2-5,4	RH	OK	37.6 dB @ 210.50MHz	N/A	> 17.7 dB	19.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.1 dB @ 246.00MHz	N/A	> 32.4 dB	9.7 dB
3,6	DH	OK	41.4 dB @ 240.50MHz	N/A	> 32.6 dB	8.8 dB
5,4	DH	OK	46.4 dB @ 246.00MHz	N/A	> 32.4 dB	14.0 dB
1,2	DH	OK	44.9 dB @ 240.50MHz	N/A	> 32.6 dB	12.3 dB
7,8	RH	OK	44.0 dB @ 221.00MHz	N/A	> 33.2 dB	10.8 dB
3,6	RH	OK	43.3 dB @ 229.00MHz	N/A	> 32.9 dB	10.4 dB
5,4	RH	OK	45.9 dB @ 250.00MHz	N/A	> 32.3 dB	13.6 dB
1,2	RH	OK	45.2 dB @ 230.00MHz	N/A	> 32.9 dB	12.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	24.4 dB @ 247.50MHz	N/A	>= 1.4 dB	23.0 dB
3,6	DH	OK	23.0 dB @ 240.50MHz	N/A	>= 2.2 dB	20.8 dB
5,4	DH	OK	27.0 dB @ 246.00MHz	N/A	>= 1.5 dB	25.5 dB
1,2	DH	OK	27.6 dB @ 239.50MHz	N/A	>= 2.2 dB	25.4 dB
7,8	RH	OK	26.0 dB @ 230.00MHz	N/A	>= 3.2 dB	22.8 dB
3,6	RH	OK	25.4 dB @ 229.00MHz	N/A	>= 3.3 dB	22.1 dB
5,4	RH	OK	27.1 dB @ 249.50MHz	N/A	>= 1.2 dB	25.9 dB
1,2	RH	OK	28.1 dB @ 230.00MHz	N/A	>= 3.2 dB	24.9 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.3 dB @ 250.00MHz	N/A	>= 13.2 dB	22.1 dB
3,6	DH	OK	31.9 dB @ 208.00MHz	N/A	>= 14.8 dB	17.1 dB
5,4	DH	OK	31.1 dB @ 208.50MHz	N/A	>= 14.8 dB	16.3 dB
1,2	DH	OK	36.9 dB @ 211.50MHz	N/A	>= 14.7 dB	22.2 dB
7,8	RH	OK	35.8 dB @ 249.00MHz	N/A	>= 13.2 dB	22.6 dB
3,6	RH	OK	32.2 dB @ 186.50MHz	N/A	>= 15.7 dB	16.5 dB
5,4	RH	OK	30.6 dB @ 208.50MHz	N/A	>= 14.8 dB	15.8 dB
1,2	RH	OK	35.7 dB @ 219.50MHz	N/A	>= 14.3 dB	21.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0163  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:22:36  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	22.5m	23.1m	23.6m	22.6m	< 90.0m	OK
Ritardo di propag.	119.3ns	122.0ns	124.2ns	119.7ns	< 510.0ns	OK
Diff. t. ritardo	4.9ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.1 Ohm	98.6 Ohm	95.8 Ohm	101.2 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	5.6 Ohm	5.8 Ohm	6.7 Ohm	5.8 Ohm	< 20.0 Ohm	OK
Capacità	47.7pF/m	47.9pF/m	49.3pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	5.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.6 dB @ 236.00MHz	N/A	> 35.7 dB	4.9 dB
7,8-5,4	DH	OK	50.1 dB @ 231.00MHz	N/A	> 35.9 dB	14.2 dB
7,8-1,2	DH	OK	55.9 dB @ 172.00MHz	N/A	> 38.0 dB	17.9 dB
3,6-5,4	DH	OK	52.0 dB @ 228.50MHz	N/A	> 36.0 dB	16.0 dB
3,6-1,2	DH	OK	45.8 dB @ 231.50MHz	N/A	> 35.9 dB	9.9 dB
5,4-1,2	DH	OK	46.5 dB @ 207.50MHz	N/A	> 36.6 dB	9.9 dB
7,8-3,6	RH	OK	46.5 dB @ 178.50MHz	N/A	> 37.7 dB	8.8 dB
7,8-5,4	RH	OK	42.6 dB @ 237.00MHz	N/A	> 35.7 dB	6.9 dB
7,8-1,2	RH	OK	51.9 dB @ 203.00MHz	N/A	> 36.8 dB	15.1 dB
3,6-5,4	RH	OK	49.9 dB @ 178.50MHz	N/A	> 37.7 dB	12.2 dB
3,6-1,2	RH	OK	48.6 dB @ 235.00MHz	N/A	> 35.8 dB	12.8 dB
5,4-1,2	RH	OK	49.4 dB @ 202.50MHz	N/A	> 36.8 dB	12.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	14.9 dB @ 226.00MHz	N/A	> 10.4 dB	4.5 dB
3,6	DH	OK	15.4 dB @ 230.00MHz	N/A	> 10.4 dB	5.0 dB
5,4	DH	OK	15.8 dB @ 230.50MHz	N/A	> 10.4 dB	5.4 dB
1,2	DH	OK	17.0 dB @ 228.50MHz	N/A	> 10.4 dB	6.6 dB
7,8	RH	OK	14.3 dB @ 221.50MHz	N/A	> 10.5 dB	3.8 dB
3,6	RH	OK	15.6 dB @ 221.50MHz	N/A	> 10.5 dB	5.1 dB
5,4	RH	OK	17.3 dB @ 230.00MHz	N/A	> 10.4 dB	6.9 dB
1,2	RH	OK	16.2 dB @ 220.00MHz	N/A	> 10.6 dB	5.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	8.6 dB @ 236.50MHz	N/A	< 30.2 dB	21.6 dB
3,6	OK	8.6 dB @ 243.50MHz	N/A	< 30.7 dB	22.1 dB
5,4	OK	8.6 dB @ 250.00MHz	N/A	< 31.2 dB	22.6 dB
1,2	OK	9.2 dB @ 238.50MHz	N/A	< 30.3 dB	21.1 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	32.4 dB @ 236.50MHz	N/A	>= 5.5 dB	26.9 dB
3,6	DH	OK	32.6 dB @ 236.00MHz	N/A	>= 5.6 dB	27.0 dB
5,4	DH	OK	39.0 dB @ 207.50MHz	N/A	>= 8.6 dB	30.4 dB
1,2	DH	OK	38.4 dB @ 231.50MHz	N/A	>= 6.1 dB	32.3 dB
7,8	RH	OK	34.2 dB @ 236.50MHz	N/A	>= 5.5 dB	28.7 dB
3,6	RH	OK	38.8 dB @ 230.00MHz	N/A	>= 6.2 dB	32.6 dB
5,4	RH	OK	34.5 dB @ 237.00MHz	N/A	>= 5.5 dB	29.0 dB
1,2	RH	OK	41.2 dB @ 236.00MHz	N/A	>= 5.6 dB	35.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0163  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:22:36  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	42.9 dB @ 248.50MHz	N/A	> 16.3 dB	26.6 dB
7,8-5,4	DH	OK	40.2 dB @ 205.00MHz	N/A	> 17.9 dB	22.3 dB
7,8-1,2	DH	OK	48.3 dB @ 209.00MHz	N/A	> 17.8 dB	30.5 dB
3,6-7,8	DH	OK	37.5 dB @ 236.50MHz	N/A	> 16.7 dB	20.8 dB
3,6-5,4	DH	OK	37.0 dB @ 250.00MHz	N/A	> 16.2 dB	20.8 dB
3,6-1,2	DH	OK	38.6 dB @ 226.50MHz	N/A	> 17.1 dB	21.5 dB
5,4-7,8	DH	OK	40.6 dB @ 211.00MHz	N/A	> 17.7 dB	22.9 dB
5,4-3,6	DH	OK	37.6 dB @ 243.50MHz	N/A	> 16.4 dB	21.2 dB
5,4-1,2	DH	OK	39.8 dB @ 209.00MHz	N/A	> 17.8 dB	22.0 dB
1,2-7,8	DH	OK	49.3 dB @ 161.00MHz	N/A	> 20.0 dB	29.3 dB
1,2-3,6	DH	OK	38.8 dB @ 226.50MHz	N/A	> 17.1 dB	21.7 dB
1,2-5,4	DH	OK	39.4 dB @ 203.50MHz	N/A	> 18.0 dB	21.4 dB
7,8-3,6	RH	OK	43.3 dB @ 250.00MHz	N/A	> 16.2 dB	27.1 dB
7,8-5,4	RH	OK	40.3 dB @ 206.00MHz	N/A	> 17.9 dB	22.4 dB
7,8-1,2	RH	OK	49.2 dB @ 203.00MHz	N/A	> 18.0 dB	31.2 dB
3,6-7,8	RH	OK	37.7 dB @ 236.00MHz	N/A	> 16.7 dB	21.0 dB
3,6-5,4	RH	OK	37.5 dB @ 248.50MHz	N/A	> 16.3 dB	21.2 dB
3,6-1,2	RH	OK	38.1 dB @ 226.50MHz	N/A	> 17.1 dB	21.0 dB
5,4-7,8	RH	OK	40.6 dB @ 224.50MHz	N/A	> 17.1 dB	23.5 dB
5,4-3,6	RH	OK	37.4 dB @ 250.00MHz	N/A	> 16.2 dB	21.2 dB
5,4-1,2	RH	OK	39.5 dB @ 187.00MHz	N/A	> 18.7 dB	20.8 dB
1,2-7,8	RH	OK	49.5 dB @ 161.00MHz	N/A	> 20.0 dB	29.5 dB
1,2-3,6	RH	OK	39.3 dB @ 226.50MHz	N/A	> 17.1 dB	22.2 dB
1,2-5,4	RH	OK	38.8 dB @ 209.00MHz	N/A	> 17.8 dB	21.0 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.2 dB @ 236.00MHz	N/A	> 32.7 dB	7.5 dB
3,6	DH	OK	40.0 dB @ 236.00MHz	N/A	> 32.7 dB	7.3 dB
5,4	DH	OK	45.7 dB @ 202.50MHz	N/A	> 33.8 dB	11.9 dB
1,2	DH	OK	44.4 dB @ 231.50MHz	N/A	> 32.9 dB	11.5 dB
7,8	RH	OK	41.5 dB @ 226.00MHz	N/A	> 33.0 dB	8.5 dB
3,6	RH	OK	44.5 dB @ 231.50MHz	N/A	> 32.9 dB	11.6 dB
5,4	RH	OK	42.0 dB @ 237.00MHz	N/A	> 32.7 dB	9.3 dB
1,2	RH	OK	46.7 dB @ 248.00MHz	N/A	> 32.4 dB	14.3 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.0 dB @ 236.50MHz	N/A	>= 2.5 dB	29.5 dB
3,6	DH	OK	31.9 dB @ 231.00MHz	N/A	>= 3.1 dB	28.8 dB
5,4	DH	OK	38.3 dB @ 207.50MHz	N/A	>= 5.6 dB	32.7 dB
1,2	DH	OK	37.0 dB @ 231.50MHz	N/A	>= 3.1 dB	33.9 dB
7,8	RH	OK	33.4 dB @ 236.50MHz	N/A	>= 2.5 dB	30.9 dB
3,6	RH	OK	36.5 dB @ 231.50MHz	N/A	>= 3.1 dB	33.4 dB
5,4	RH	OK	33.9 dB @ 237.00MHz	N/A	>= 2.5 dB	31.4 dB
1,2	RH	OK	39.0 dB @ 248.00MHz	N/A	>= 1.4 dB	37.6 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.4 dB @ 236.50MHz	N/A	>= 13.7 dB	22.7 dB
3,6	DH	OK	35.3 dB @ 248.50MHz	N/A	>= 13.3 dB	22.0 dB
5,4	DH	OK	35.0 dB @ 250.00MHz	N/A	>= 13.2 dB	21.8 dB
1,2	DH	OK	37.0 dB @ 238.50MHz	N/A	>= 13.6 dB	23.4 dB
7,8	RH	OK	39.3 dB @ 250.00MHz	N/A	>= 13.2 dB	26.1 dB
3,6	RH	OK	33.9 dB @ 234.50MHz	N/A	>= 13.8 dB	20.1 dB
5,4	RH	OK	35.5 dB @ 250.00MHz	N/A	>= 13.2 dB	22.3 dB
1,2	RH	OK	36.6 dB @ 209.00MHz	N/A	>= 14.8 dB	21.8 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

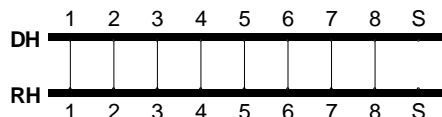
ID cavo 1: 0164  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:37:42  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	48.6m	49.8m	51.0m	48.5m	< 90.0m	OK
Ritardo di propag.	240.2ns	245.8ns	251.2ns	239.8ns	< 510.0ns	OK
Diff. t. ritardo	11.4ns (Coppia 5,4 vs. 1,2)				< 43.0 ns	OK
Impedenza	99.3 Ohm	98.9 Ohm	97.9 Ohm	101.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	9.7 Ohm	10.0 Ohm	10.7 Ohm	9.7 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.7pF/m	48.2pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	6.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.3 dB @ 242.00MHz	N/A	> 35.5 dB	6.8 dB
7,8-5,4	DH	OK	51.1 dB @ 234.00MHz	N/A	> 35.8 dB	15.3 dB
7,8-1,2	DH	OK	56.9 dB @ 248.00MHz	N/A	> 35.4 dB	21.5 dB
3,6-5,4	DH	OK	52.1 dB @ 171.00MHz	N/A	> 38.0 dB	14.1 dB
3,6-1,2	DH	OK	41.1 dB @ 245.00MHz	N/A	> 35.5 dB	5.6 dB
5,4-1,2	DH	OK	48.5 dB @ 243.50MHz	N/A	> 35.5 dB	13.0 dB
7,8-3,6	RH	OK	42.9 dB @ 236.50MHz	N/A	> 35.7 dB	7.2 dB
7,8-5,4	RH	OK	48.7 dB @ 237.00MHz	N/A	> 35.7 dB	13.0 dB
7,8-1,2	RH	OK	50.3 dB @ 246.00MHz	N/A	> 35.4 dB	14.9 dB
3,6-5,4	RH	OK	41.9 dB @ 236.50MHz	N/A	> 35.7 dB	6.2 dB
3,6-1,2	RH	OK	42.5 dB @ 223.50MHz	N/A	> 36.1 dB	6.4 dB
5,4-1,2	RH	OK	46.0 dB @ 210.50MHz	N/A	> 36.5 dB	9.5 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	15.0 dB @ 230.00MHz	N/A	> 10.4 dB	4.6 dB
3,6	DH	OK	14.2 dB @ 224.50MHz	N/A	> 10.5 dB	3.7 dB
5,4	DH	OK	17.5 dB @ 223.50MHz	N/A	> 10.5 dB	7.0 dB
1,2	DH	OK	16.7 dB @ 231.00MHz	N/A	> 10.4 dB	6.3 dB
7,8	RH	OK	17.5 dB @ 223.00MHz	N/A	> 10.5 dB	7.0 dB
3,6	RH	OK	15.3 dB @ 221.00MHz	N/A	> 10.5 dB	4.8 dB
5,4	RH	OK	19.4 dB @ 237.00MHz	N/A	> 10.2 dB	9.2 dB
1,2	RH	OK	19.6 dB @ 237.00MHz	N/A	> 10.2 dB	9.4 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	15.9 dB @ 234.50MHz	N/A	< 30.0 dB	14.1 dB
3,6	OK	16.3 dB @ 238.50MHz	N/A	< 30.3 dB	14.0 dB
5,4	OK	16.6 dB @ 225.50MHz	N/A	< 29.3 dB	12.7 dB
1,2	OK	15.2 dB @ 246.00MHz	N/A	< 30.9 dB	15.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	27.1 dB @ 243.00MHz	N/A	>= 4.9 dB	22.2 dB
3,6	DH	OK	25.2 dB @ 244.50MHz	N/A	>= 4.8 dB	20.4 dB
5,4	DH	OK	33.0 dB @ 243.50MHz	N/A	>= 4.8 dB	28.2 dB
1,2	DH	OK	26.2 dB @ 244.00MHz	N/A	>= 4.8 dB	21.4 dB
7,8	RH	OK	27.4 dB @ 234.50MHz	N/A	>= 5.8 dB	21.6 dB
3,6	RH	OK	25.9 dB @ 238.50MHz	N/A	>= 5.4 dB	20.5 dB
5,4	RH	OK	26.2 dB @ 238.50MHz	N/A	>= 5.4 dB	20.8 dB
1,2	RH	OK	28.2 dB @ 230.00MHz	N/A	>= 6.2 dB	22.0 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0164  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:37:42  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	32.9 dB @ 224.00MHz	N/A	> 17.2 dB	15.7 dB
7,8-5,4	DH	OK	42.4 dB @ 249.50MHz	N/A	> 16.2 dB	26.2 dB
7,8-1,2	DH	OK	47.1 dB @ 140.50MHz	N/A	> 21.2 dB	25.9 dB
3,6-7,8	DH	OK	34.5 dB @ 220.50MHz	N/A	> 17.3 dB	17.2 dB
3,6-5,4	DH	OK	24.9 dB @ 225.50MHz	N/A	> 17.1 dB	7.8 dB
3,6-1,2	DH	OK	33.7 dB @ 206.50MHz	N/A	> 17.9 dB	15.8 dB
5,4-7,8	DH	OK	37.0 dB @ 234.50MHz	N/A	> 16.8 dB	20.2 dB
5,4-3,6	DH	OK	24.8 dB @ 238.50MHz	N/A	> 16.6 dB	8.2 dB
5,4-1,2	DH	OK	38.3 dB @ 249.00MHz	N/A	> 16.2 dB	22.1 dB
1,2-7,8	DH	OK	45.7 dB @ 243.00MHz	N/A	> 16.5 dB	29.2 dB
1,2-3,6	DH	OK	30.2 dB @ 232.50MHz	N/A	> 16.8 dB	13.4 dB
1,2-5,4	DH	OK	38.0 dB @ 228.50MHz	N/A	> 17.0 dB	21.0 dB
7,8-3,6	RH	OK	33.3 dB @ 220.50MHz	N/A	> 17.3 dB	16.0 dB
7,8-5,4	RH	OK	42.9 dB @ 249.50MHz	N/A	> 16.2 dB	26.7 dB
7,8-1,2	RH	OK	46.9 dB @ 138.50MHz	N/A	> 21.3 dB	25.6 dB
3,6-7,8	RH	OK	34.0 dB @ 222.50MHz	N/A	> 17.2 dB	16.8 dB
3,6-5,4	RH	OK	25.5 dB @ 238.50MHz	N/A	> 16.6 dB	8.9 dB
3,6-1,2	RH	OK	32.8 dB @ 210.00MHz	N/A	> 17.7 dB	15.1 dB
5,4-7,8	RH	OK	36.7 dB @ 237.50MHz	N/A	> 16.7 dB	20.0 dB
5,4-3,6	RH	OK	24.4 dB @ 225.50MHz	N/A	> 17.1 dB	7.3 dB
5,4-1,2	RH	OK	37.3 dB @ 249.00MHz	N/A	> 16.2 dB	21.1 dB
1,2-7,8	RH	OK	46.3 dB @ 244.00MHz	N/A	> 16.4 dB	29.9 dB
1,2-3,6	RH	OK	31.1 dB @ 230.00MHz	N/A	> 16.9 dB	14.2 dB
1,2-5,4	RH	OK	38.7 dB @ 230.00MHz	N/A	> 16.9 dB	21.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	42.2 dB @ 242.00MHz	N/A	> 32.5 dB	9.7 dB
3,6	DH	OK	39.3 dB @ 244.00MHz	N/A	> 32.5 dB	6.8 dB
5,4	DH	OK	47.7 dB @ 243.50MHz	N/A	> 32.5 dB	15.2 dB
1,2	DH	OK	40.5 dB @ 244.50MHz	N/A	> 32.5 dB	8.0 dB
7,8	RH	OK	41.5 dB @ 237.00MHz	N/A	> 32.7 dB	8.8 dB
3,6	RH	OK	38.3 dB @ 236.50MHz	N/A	> 32.7 dB	5.6 dB
5,4	RH	OK	40.7 dB @ 236.50MHz	N/A	> 32.7 dB	8.0 dB
1,2	RH	OK	41.0 dB @ 223.50MHz	N/A	> 33.1 dB	7.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	26.8 dB @ 243.00MHz	N/A	>= 1.9 dB	24.9 dB
3,6	DH	OK	23.6 dB @ 244.50MHz	N/A	>= 1.8 dB	21.8 dB
5,4	DH	OK	32.1 dB @ 243.00MHz	N/A	>= 1.9 dB	30.2 dB
1,2	DH	OK	25.5 dB @ 244.00MHz	N/A	>= 1.8 dB	23.7 dB
7,8	RH	OK	26.3 dB @ 234.50MHz	N/A	>= 2.8 dB	23.5 dB
3,6	RH	OK	22.7 dB @ 238.50MHz	N/A	>= 2.4 dB	20.3 dB
5,4	RH	OK	24.9 dB @ 245.50MHz	N/A	>= 1.6 dB	23.3 dB
1,2	RH	OK	26.9 dB @ 230.00MHz	N/A	>= 3.2 dB	23.7 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.7 dB @ 234.50MHz	N/A	>= 13.8 dB	19.9 dB
3,6	DH	OK	23.5 dB @ 225.50MHz	N/A	>= 14.1 dB	9.4 dB
5,4	DH	OK	24.6 dB @ 225.50MHz	N/A	>= 14.1 dB	10.5 dB
1,2	DH	OK	33.0 dB @ 202.50MHz	N/A	>= 15.0 dB	18.0 dB
7,8	RH	OK	33.2 dB @ 220.50MHz	N/A	>= 14.3 dB	18.9 dB
3,6	RH	OK	24.5 dB @ 225.50MHz	N/A	>= 14.1 dB	10.4 dB
5,4	RH	OK	24.2 dB @ 225.50MHz	N/A	>= 14.1 dB	10.1 dB
1,2	RH	OK	30.3 dB @ 230.00MHz	N/A	>= 13.9 dB	16.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

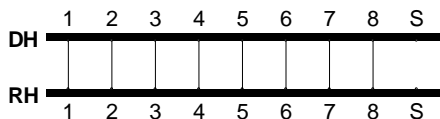
**OK**

ID cavo 1: 0165  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:27:49  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	28.3m	28.9m	29.7m	28.5m	< 90.0m	OK
Ritardo di propag.	146.2ns	149.1ns	152.7ns	146.9ns	< 510.0ns	OK
Diff. t. ritardo	6.5ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	99.5 Ohm	99.5 Ohm	98.7 Ohm	101.1 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.3 Ohm	6.8 Ohm	7.5 Ohm	6.5 Ohm	< 20.0 Ohm	OK
Capacità	47.5pF/m	47.6pF/m	47.9pF/m	46.7pF/m	< 66.0pF/m	OK
Riserva	4.6 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	41.6 dB @ 240.50MHz	N/A	> 35.6 dB	6.0 dB
7,8-5,4	DH	OK	49.5 dB @ 224.00MHz	N/A	> 36.1 dB	13.4 dB
7,8-1,2	DH	OK	59.7 dB @ 200.50MHz	N/A	> 36.9 dB	22.8 dB
3,6-5,4	DH	OK	51.6 dB @ 237.50MHz	N/A	> 35.7 dB	15.9 dB
3,6-1,2	DH	OK	44.3 dB @ 222.00MHz	N/A	> 36.2 dB	8.1 dB
5,4-1,2	DH	OK	49.8 dB @ 249.50MHz	N/A	> 35.3 dB	14.5 dB
7,8-3,6	RH	OK	44.7 dB @ 247.50MHz	N/A	> 35.4 dB	9.3 dB
7,8-5,4	RH	OK	46.2 dB @ 240.00MHz	N/A	> 35.6 dB	10.6 dB
7,8-1,2	RH	OK	53.0 dB @ 205.50MHz	N/A	> 36.7 dB	16.3 dB
3,6-5,4	RH	OK	49.8 dB @ 217.50MHz	N/A	> 36.3 dB	13.5 dB
3,6-1,2	RH	OK	42.3 dB @ 222.50MHz	N/A	> 36.1 dB	6.2 dB
5,4-1,2	RH	OK	51.2 dB @ 248.50MHz	N/A	> 35.4 dB	15.8 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.2 dB @ 219.00MHz	N/A	> 10.6 dB	5.6 dB
3,6	DH	OK	16.3 dB @ 228.50MHz	N/A	> 10.4 dB	5.9 dB
5,4	DH	OK	17.5 dB @ 237.00MHz	N/A	> 10.2 dB	7.3 dB
1,2	DH	OK	18.3 dB @ 209.50MHz	N/A	> 10.8 dB	7.5 dB
7,8	RH	OK	16.1 dB @ 222.50MHz	N/A	> 10.5 dB	5.6 dB
3,6	RH	OK	15.6 dB @ 228.50MHz	N/A	> 10.4 dB	5.2 dB
5,4	RH	OK	18.2 dB @ 230.00MHz	N/A	> 10.4 dB	7.8 dB
1,2	RH	OK	17.8 dB @ 220.50MHz	N/A	> 10.6 dB	7.2 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	10.3 dB @ 248.50MHz	N/A	< 31.0 dB	20.7 dB
3,6	OK	10.3 dB @ 239.50MHz	N/A	< 30.4 dB	20.1 dB
5,4	OK	10.3 dB @ 226.50MHz	N/A	< 29.4 dB	19.1 dB
1,2	OK	10.0 dB @ 244.00MHz	N/A	< 30.7 dB	20.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	32.3 dB @ 240.50MHz	N/A	>= 5.2 dB	27.1 dB
3,6	DH	OK	31.7 dB @ 239.50MHz	N/A	>= 5.2 dB	26.5 dB
5,4	DH	OK	39.8 dB @ 249.00MHz	N/A	>= 4.2 dB	35.6 dB
1,2	DH	OK	34.7 dB @ 222.00MHz	N/A	>= 7.1 dB	27.6 dB
7,8	RH	OK	34.8 dB @ 248.50MHz	N/A	>= 4.4 dB	30.4 dB
3,6	RH	OK	32.7 dB @ 222.50MHz	N/A	>= 7.0 dB	25.7 dB
5,4	RH	OK	36.4 dB @ 240.00MHz	N/A	>= 5.2 dB	31.2 dB
1,2	RH	OK	32.7 dB @ 222.00MHz	N/A	>= 7.1 dB	25.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0165  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:27:49  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	30.5 dB @ 249.00MHz	N/A	> 16.2 dB	14.3 dB
7,8-5,4	DH	OK	40.4 dB @ 217.00MHz	N/A	> 17.4 dB	23.0 dB
7,8-1,2	DH	OK	47.4 dB @ 203.00MHz	N/A	> 18.0 dB	29.4 dB
3,6-7,8	DH	OK	30.5 dB @ 250.00MHz	N/A	> 16.2 dB	14.3 dB
3,6-5,4	DH	OK	34.5 dB @ 248.50MHz	N/A	> 16.3 dB	18.2 dB
3,6-1,2	DH	OK	46.0 dB @ 181.50MHz	N/A	> 19.0 dB	27.0 dB
5,4-7,8	DH	OK	38.8 dB @ 218.50MHz	N/A	> 17.4 dB	21.4 dB
5,4-3,6	DH	OK	34.0 dB @ 249.50MHz	N/A	> 16.2 dB	17.8 dB
5,4-1,2	DH	OK	41.0 dB @ 249.50MHz	N/A	> 16.2 dB	24.8 dB
1,2-7,8	DH	OK	42.9 dB @ 235.50MHz	N/A	> 16.7 dB	26.2 dB
1,2-3,6	DH	OK	44.6 dB @ 223.50MHz	N/A	> 17.2 dB	27.4 dB
1,2-5,4	DH	OK	39.6 dB @ 250.00MHz	N/A	> 16.2 dB	23.4 dB
7,8-3,6	RH	OK	30.7 dB @ 248.50MHz	N/A	> 16.3 dB	14.4 dB
7,8-5,4	RH	OK	40.5 dB @ 209.00MHz	N/A	> 17.8 dB	22.7 dB
7,8-1,2	RH	OK	47.3 dB @ 212.00MHz	N/A	> 17.6 dB	29.7 dB
3,6-7,8	RH	OK	30.1 dB @ 250.00MHz	N/A	> 16.2 dB	13.9 dB
3,6-5,4	RH	OK	34.3 dB @ 248.50MHz	N/A	> 16.3 dB	18.0 dB
3,6-1,2	RH	OK	45.4 dB @ 181.50MHz	N/A	> 19.0 dB	26.4 dB
5,4-7,8	RH	OK	38.7 dB @ 217.00MHz	N/A	> 17.4 dB	21.3 dB
5,4-3,6	RH	OK	34.1 dB @ 250.00MHz	N/A	> 16.2 dB	17.9 dB
5,4-1,2	RH	OK	40.3 dB @ 250.00MHz	N/A	> 16.2 dB	24.1 dB
1,2-7,8	RH	OK	43.0 dB @ 221.00MHz	N/A	> 17.3 dB	25.7 dB
1,2-3,6	RH	OK	44.8 dB @ 223.50MHz	N/A	> 17.2 dB	27.6 dB
1,2-5,4	RH	OK	40.4 dB @ 249.50MHz	N/A	> 16.2 dB	24.2 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.2 dB @ 240.50MHz	N/A	> 32.6 dB	8.6 dB
3,6	DH	OK	40.1 dB @ 240.50MHz	N/A	> 32.6 dB	7.5 dB
5,4	DH	OK	47.4 dB @ 224.50MHz	N/A	> 33.1 dB	14.3 dB
1,2	DH	OK	43.8 dB @ 245.50MHz	N/A	> 32.4 dB	11.4 dB
7,8	RH	OK	42.6 dB @ 247.50MHz	N/A	> 32.4 dB	10.2 dB
3,6	RH	OK	41.3 dB @ 222.50MHz	N/A	> 33.1 dB	8.2 dB
5,4	RH	OK	44.8 dB @ 240.00MHz	N/A	> 32.6 dB	12.2 dB
1,2	RH	OK	42.1 dB @ 222.50MHz	N/A	> 33.1 dB	9.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	31.9 dB @ 240.50MHz	N/A	>= 2.2 dB	29.7 dB
3,6	DH	OK	29.9 dB @ 239.50MHz	N/A	>= 2.2 dB	27.7 dB
5,4	DH	OK	37.7 dB @ 243.00MHz	N/A	>= 1.9 dB	35.8 dB
1,2	DH	OK	34.0 dB @ 244.00MHz	N/A	>= 1.8 dB	32.2 dB
7,8	RH	OK	32.8 dB @ 248.50MHz	N/A	>= 1.4 dB	31.4 dB
3,6	RH	OK	31.7 dB @ 222.50MHz	N/A	>= 4.0 dB	27.7 dB
5,4	RH	OK	35.0 dB @ 240.00MHz	N/A	>= 2.2 dB	32.8 dB
1,2	RH	OK	32.5 dB @ 222.00MHz	N/A	>= 4.1 dB	28.4 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	30.0 dB @ 248.50MHz	N/A	>= 13.3 dB	16.7 dB
3,6	DH	OK	28.9 dB @ 250.00MHz	N/A	>= 13.2 dB	15.7 dB
5,4	DH	OK	33.1 dB @ 250.00MHz	N/A	>= 13.2 dB	19.9 dB
1,2	DH	OK	39.7 dB @ 249.50MHz	N/A	>= 13.2 dB	26.5 dB
7,8	RH	OK	30.4 dB @ 248.50MHz	N/A	>= 13.3 dB	17.1 dB
3,6	RH	OK	28.7 dB @ 250.00MHz	N/A	>= 13.2 dB	15.5 dB
5,4	RH	OK	32.7 dB @ 250.00MHz	N/A	>= 13.2 dB	19.5 dB
1,2	RH	OK	38.5 dB @ 250.00MHz	N/A	>= 13.2 dB	25.3 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

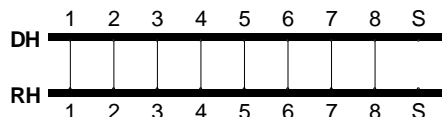
ID cavo 1: 0166  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:28:51  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	28.3m	28.9m	29.7m	28.4m	< 90.0m	OK
Ritardo di propag.	146.0ns	148.8ns	152.4ns	146.6ns	< 510.0ns	OK
Diff. t. ritardo	6.4ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.4 Ohm	99.8 Ohm	99.0 Ohm	101.4 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	6.5 Ohm	6.7 Ohm	7.6 Ohm	6.5 Ohm	< 20.0 Ohm	OK
Capacità	47.0pF/m	47.3pF/m	47.6pF/m	46.6pF/m	< 66.0pF/m	OK
Riserva	7.3 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	42.0 dB @ 231.50MHz	N/A	> 35.9 dB	6.1 dB
7,8-5,4	DH	OK	51.8 dB @ 232.00MHz	N/A	> 35.8 dB	16.0 dB
7,8-1,2	DH	OK	60.4 dB @ 145.50MHz	N/A	> 39.2 dB	21.2 dB
3,6-5,4	DH	OK	53.8 dB @ 229.00MHz	N/A	> 35.9 dB	17.9 dB
3,6-1,2	DH	OK	42.6 dB @ 243.00MHz	N/A	> 35.5 dB	7.1 dB
5,4-1,2	DH	OK	48.7 dB @ 248.00MHz	N/A	> 35.4 dB	13.3 dB
7,8-3,6	RH	OK	47.0 dB @ 223.50MHz	N/A	> 36.1 dB	10.9 dB
7,8-5,4	RH	OK	47.2 dB @ 236.00MHz	N/A	> 35.7 dB	11.5 dB
7,8-1,2	RH	OK	54.4 dB @ 210.50MHz	N/A	> 36.5 dB	17.9 dB
3,6-5,4	RH	OK	50.8 dB @ 229.00MHz	N/A	> 35.9 dB	14.9 dB
3,6-1,2	RH	OK	43.5 dB @ 219.00MHz	N/A	> 36.3 dB	7.2 dB
5,4-1,2	RH	OK	50.6 dB @ 209.50MHz	N/A	> 36.6 dB	14.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	16.1 dB @ 222.50MHz	N/A	> 10.5 dB	5.6 dB
3,6	DH	OK	15.6 dB @ 225.50MHz	N/A	> 10.5 dB	5.1 dB
5,4	DH	OK	16.8 dB @ 231.00MHz	N/A	> 10.4 dB	6.4 dB
1,2	DH	OK	17.5 dB @ 217.00MHz	N/A	> 10.6 dB	6.9 dB
7,8	RH	OK	16.1 dB @ 226.00MHz	N/A	> 10.4 dB	5.7 dB
3,6	RH	OK	15.9 dB @ 163.50MHz	N/A	> 11.9 dB	4.0 dB
5,4	RH	OK	17.8 dB @ 230.50MHz	N/A	> 10.4 dB	7.4 dB
1,2	RH	OK	17.0 dB @ 225.00MHz	N/A	> 10.5 dB	6.5 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	9.8 dB @ 249.00MHz	N/A	< 31.1 dB	21.3 dB
3,6	OK	9.9 dB @ 241.00MHz	N/A	< 30.5 dB	20.6 dB
5,4	OK	9.9 dB @ 248.00MHz	N/A	< 31.0 dB	21.1 dB
1,2	OK	9.4 dB @ 249.00MHz	N/A	< 31.1 dB	21.7 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	32.7 dB @ 249.00MHz	N/A	>= 4.2 dB	28.5 dB
3,6	DH	OK	32.5 dB @ 248.50MHz	N/A	>= 4.4 dB	28.1 dB
5,4	DH	OK	38.8 dB @ 248.00MHz	N/A	>= 4.4 dB	34.4 dB
1,2	DH	OK	33.5 dB @ 242.50MHz	N/A	>= 4.9 dB	28.6 dB
7,8	RH	OK	38.1 dB @ 223.50MHz	N/A	>= 6.9 dB	31.2 dB
3,6	RH	OK	34.5 dB @ 219.00MHz	N/A	>= 7.4 dB	27.1 dB
5,4	RH	OK	37.4 dB @ 236.50MHz	N/A	>= 5.5 dB	31.9 dB
1,2	RH	OK	35.0 dB @ 219.00MHz	N/A	>= 7.4 dB	27.6 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

## OK

ID cavo 1: 0166  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:28:51  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	34.0 dB @ 250.00MHz	N/A	> 16.2 dB	17.8 dB
7,8-5,4	DH	OK	43.5 dB @ 213.00MHz	N/A	> 17.6 dB	25.9 dB
7,8-1,2	DH	OK	47.3 dB @ 163.00MHz	N/A	> 19.9 dB	27.4 dB
3,6-7,8	DH	OK	35.4 dB @ 249.00MHz	N/A	> 16.2 dB	19.2 dB
3,6-5,4	DH	OK	33.7 dB @ 248.00MHz	N/A	> 16.3 dB	17.4 dB
3,6-1,2	DH	OK	46.5 dB @ 186.50MHz	N/A	> 18.7 dB	27.8 dB
5,4-7,8	DH	OK	41.7 dB @ 212.50MHz	N/A	> 17.6 dB	24.1 dB
5,4-3,6	DH	OK	33.5 dB @ 250.00MHz	N/A	> 16.2 dB	17.3 dB
5,4-1,2	DH	OK	40.1 dB @ 247.50MHz	N/A	> 16.3 dB	23.8 dB
1,2-7,8	DH	OK	47.4 dB @ 246.50MHz	N/A	> 16.3 dB	31.1 dB
1,2-3,6	DH	OK	46.4 dB @ 122.00MHz	N/A	> 22.4 dB	24.0 dB
1,2-5,4	DH	OK	38.2 dB @ 248.00MHz	N/A	> 16.3 dB	21.9 dB
7,8-3,6	RH	OK	33.8 dB @ 249.00MHz	N/A	> 16.2 dB	17.6 dB
7,8-5,4	RH	OK	43.6 dB @ 212.50MHz	N/A	> 17.6 dB	26.0 dB
7,8-1,2	RH	OK	47.2 dB @ 162.50MHz	N/A	> 19.9 dB	27.3 dB
3,6-7,8	RH	OK	35.4 dB @ 250.00MHz	N/A	> 16.2 dB	19.2 dB
3,6-5,4	RH	OK	33.8 dB @ 250.00MHz	N/A	> 16.2 dB	17.6 dB
3,6-1,2	RH	OK	45.7 dB @ 223.50MHz	N/A	> 17.2 dB	28.5 dB
5,4-7,8	RH	OK	41.8 dB @ 213.00MHz	N/A	> 17.6 dB	24.2 dB
5,4-3,6	RH	OK	33.4 dB @ 248.00MHz	N/A	> 16.3 dB	17.1 dB
5,4-1,2	RH	OK	39.3 dB @ 247.50MHz	N/A	> 16.3 dB	23.0 dB
1,2-7,8	RH	OK	47.8 dB @ 246.50MHz	N/A	> 16.3 dB	31.5 dB
1,2-3,6	RH	OK	46.7 dB @ 122.00MHz	N/A	> 22.4 dB	24.3 dB
1,2-5,4	RH	OK	39.1 dB @ 250.00MHz	N/A	> 16.2 dB	22.9 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	41.6 dB @ 231.50MHz	N/A	> 32.9 dB	8.7 dB
3,6	DH	OK	39.8 dB @ 248.00MHz	N/A	> 32.4 dB	7.4 dB
5,4	DH	OK	47.7 dB @ 248.00MHz	N/A	> 32.4 dB	15.3 dB
1,2	DH	OK	42.0 dB @ 243.00MHz	N/A	> 32.5 dB	9.5 dB
7,8	RH	OK	44.8 dB @ 174.50MHz	N/A	> 34.9 dB	9.9 dB
3,6	RH	OK	42.2 dB @ 219.00MHz	N/A	> 33.3 dB	8.9 dB
5,4	RH	OK	45.6 dB @ 240.00MHz	N/A	> 32.6 dB	13.0 dB
1,2	RH	OK	43.2 dB @ 219.00MHz	N/A	> 33.3 dB	9.9 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	32.5 dB @ 249.00MHz	N/A	>= 1.2 dB	31.3 dB
3,6	DH	OK	30.4 dB @ 248.00MHz	N/A	>= 1.4 dB	29.0 dB
5,4	DH	OK	37.8 dB @ 248.00MHz	N/A	>= 1.4 dB	36.4 dB
1,2	DH	OK	32.9 dB @ 242.50MHz	N/A	>= 1.9 dB	31.0 dB
7,8	RH	OK	36.1 dB @ 223.50MHz	N/A	>= 3.9 dB	32.2 dB
3,6	RH	OK	33.2 dB @ 219.00MHz	N/A	>= 4.4 dB	28.8 dB
5,4	RH	OK	35.7 dB @ 240.00MHz	N/A	>= 2.2 dB	33.5 dB
1,2	RH	OK	34.7 dB @ 219.00MHz	N/A	>= 4.4 dB	30.3 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	34.9 dB @ 249.00MHz	N/A	>= 13.2 dB	21.7 dB
3,6	DH	OK	30.6 dB @ 250.00MHz	N/A	>= 13.2 dB	17.4 dB
5,4	DH	OK	32.3 dB @ 248.00MHz	N/A	>= 13.3 dB	19.0 dB
1,2	DH	OK	39.2 dB @ 247.50MHz	N/A	>= 13.3 dB	25.9 dB
7,8	RH	OK	33.6 dB @ 249.00MHz	N/A	>= 13.2 dB	20.4 dB
3,6	RH	OK	31.4 dB @ 250.00MHz	N/A	>= 13.2 dB	18.2 dB
5,4	RH	OK	32.3 dB @ 248.00MHz	N/A	>= 13.3 dB	19.0 dB
1,2	RH	OK	38.1 dB @ 249.00MHz	N/A	>= 13.2 dB	24.9 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0167  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:30:09  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:

**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	8.4m	8.6m	8.9m	8.7m	< 90.0m	OK
Ritardo di propag.	53.8ns	54.9ns	56.2ns	55.2ns	< 510.0ns	OK
Diff. t. ritardo	2.4ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	100.7 Ohm	100.9 Ohm	99.5 Ohm	101.8 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	3.7 Ohm	3.5 Ohm	4.5 Ohm	3.4 Ohm	< 20.0 Ohm	OK
Capacità	46.9pF/m	47.0pF/m	47.6pF/m	46.4pF/m	< 66.0pF/m	OK
Riserva	0.0 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.1 dB @ 239.50MHz	N/A	> 35.6 dB	4.5 dB
7,8-5,4	DH	OK	47.5 dB @ 249.00MHz	N/A	> 35.3 dB	12.2 dB
7,8-1,2	DH	OK	51.2 dB @ 222.50MHz	N/A	> 36.1 dB	15.1 dB
3,6-5,4	DH	OK	39.8 dB @ 220.00MHz	N/A	> 36.2 dB	3.6 dB
3,6-1,2	DH	OK	43.7 dB @ 242.00MHz	N/A	> 35.5 dB	8.2 dB
5,4-1,2	DH	OK	48.8 dB @ 250.00MHz	N/A	> 35.3 dB	13.5 dB
7,8-3,6	RH	OK	40.1 dB @ 238.00MHz	N/A	> 35.7 dB	4.4 dB
7,8-5,4	RH	OK	47.7 dB @ 224.50MHz	N/A	> 36.1 dB	11.6 dB
7,8-1,2	RH	OK	47.6 dB @ 224.00MHz	N/A	> 36.1 dB	11.5 dB
3,6-5,4	RH	OK	37.9 dB @ 239.50MHz	N/A	> 35.6 dB	2.3 dB
3,6-1,2	RH	OK	40.0 dB @ 227.50MHz	N/A	> 36.0 dB	4.0 dB
5,4-1,2	RH	OK	47.6 dB @ 226.00MHz	N/A	> 36.0 dB	11.6 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	13.3 dB @ 220.50MHz	N/A	> 10.6 dB	2.7 dB
3,6	DH	OK	13.6 dB @ 173.00MHz	N/A	> 11.6 dB	2.0 dB
5,4	DH	OK	14.6 dB @ 240.50MHz	N/A	> 10.2 dB	4.4 dB
1,2	DH	OK	17.0 dB @ 212.50MHz	N/A	> 10.7 dB	6.3 dB
7,8	RH	OK	14.0 dB @ 220.50MHz	N/A	> 10.6 dB	3.4 dB
3,6	RH	OK	13.4 dB @ 217.00MHz	N/A	> 10.6 dB	2.8 dB
5,4	RH	OK	14.8 dB @ 240.50MHz	N/A	> 10.2 dB	4.6 dB
1,2	RH	OK	18.6 dB @ 231.50MHz	N/A	> 10.3 dB	8.3 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	3.7 dB @ 241.50MHz	N/A	< 30.5 dB	26.8 dB
3,6	OK	4.1 dB @ 229.00MHz	N/A	< 29.6 dB	25.5 dB
5,4	OK	3.9 dB @ 250.00MHz	N/A	< 31.2 dB	27.3 dB
1,2	OK	3.6 dB @ 245.50MHz	N/A	< 30.8 dB	27.2 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	36.9 dB @ 239.50MHz	N/A	>= 5.2 dB	31.7 dB
3,6	DH	OK	35.9 dB @ 219.50MHz	N/A	>= 7.3 dB	28.6 dB
5,4	DH	OK	36.1 dB @ 231.00MHz	N/A	>= 6.1 dB	30.0 dB
1,2	DH	OK	40.3 dB @ 242.00MHz	N/A	>= 4.9 dB	35.4 dB
7,8	RH	OK	36.9 dB @ 237.50MHz	N/A	>= 5.5 dB	31.4 dB
3,6	RH	OK	34.2 dB @ 239.50MHz	N/A	>= 5.2 dB	29.0 dB
5,4	RH	OK	34.5 dB @ 239.50MHz	N/A	>= 5.2 dB	29.3 dB
1,2	RH	OK	37.0 dB @ 226.00MHz	N/A	>= 6.6 dB	30.4 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0167  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:30:09  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	38.2 dB @ 223.50MHz	N/A	> 17.2 dB	21.0 dB
7,8-5,4	DH	OK	44.4 dB @ 249.00MHz	N/A	> 16.2 dB	28.2 dB
7,8-1,2	DH	OK	50.9 dB @ 215.50MHz	N/A	> 17.5 dB	33.4 dB
3,6-7,8	DH	OK	36.6 dB @ 228.00MHz	N/A	> 17.0 dB	19.6 dB
3,6-5,4	DH	OK	25.8 dB @ 239.00MHz	N/A	> 16.6 dB	9.2 dB
3,6-1,2	DH	OK	36.2 dB @ 226.00MHz	N/A	> 17.1 dB	19.1 dB
5,4-7,8	DH	OK	46.0 dB @ 246.00MHz	N/A	> 16.3 dB	29.7 dB
5,4-3,6	DH	OK	25.8 dB @ 238.00MHz	N/A	> 16.6 dB	9.2 dB
5,4-1,2	DH	OK	42.7 dB @ 184.50MHz	N/A	> 18.8 dB	23.9 dB
1,2-7,8	DH	OK	50.1 dB @ 245.00MHz	N/A	> 16.4 dB	33.7 dB
1,2-3,6	DH	OK	35.5 dB @ 229.00MHz	N/A	> 17.0 dB	18.5 dB
1,2-5,4	DH	OK	43.7 dB @ 241.50MHz	N/A	> 16.5 dB	27.2 dB
7,8-3,6	RH	OK	38.2 dB @ 222.50MHz	N/A	> 17.2 dB	21.0 dB
7,8-5,4	RH	OK	45.0 dB @ 217.50MHz	N/A	> 17.4 dB	27.6 dB
7,8-1,2	RH	OK	50.7 dB @ 215.50MHz	N/A	> 17.5 dB	33.2 dB
3,6-7,8	RH	OK	35.9 dB @ 229.00MHz	N/A	> 17.0 dB	18.9 dB
3,6-5,4	RH	OK	25.6 dB @ 239.50MHz	N/A	> 16.6 dB	9.0 dB
3,6-1,2	RH	OK	35.6 dB @ 226.50MHz	N/A	> 17.1 dB	18.5 dB
5,4-7,8	RH	OK	45.4 dB @ 246.00MHz	N/A	> 16.3 dB	29.1 dB
5,4-3,6	RH	OK	25.7 dB @ 238.50MHz	N/A	> 16.6 dB	9.1 dB
5,4-1,2	RH	OK	42.2 dB @ 184.50MHz	N/A	> 18.8 dB	23.4 dB
1,2-7,8	RH	OK	49.6 dB @ 245.50MHz	N/A	> 16.4 dB	33.2 dB
1,2-3,6	RH	OK	36.5 dB @ 242.00MHz	N/A	> 16.5 dB	20.0 dB
1,2-5,4	RH	OK	43.9 dB @ 241.50MHz	N/A	> 16.5 dB	27.4 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	39.5 dB @ 239.50MHz	N/A	> 32.6 dB	6.9 dB
3,6	DH	OK	37.6 dB @ 240.50MHz	N/A	> 32.6 dB	5.0 dB
5,4	DH	OK	39.5 dB @ 220.00MHz	N/A	> 33.2 dB	6.3 dB
1,2	DH	OK	42.8 dB @ 242.00MHz	N/A	> 32.5 dB	10.3 dB
7,8	RH	OK	39.0 dB @ 225.00MHz	N/A	> 33.1 dB	5.9 dB
3,6	RH	OK	34.6 dB @ 240.00MHz	N/A	> 32.6 dB	2.0 dB
5,4	RH	OK	37.4 dB @ 239.50MHz	N/A	> 32.6 dB	4.8 dB
1,2	RH	OK	38.8 dB @ 226.00MHz	N/A	> 33.0 dB	5.8 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.3 dB @ 239.00MHz	N/A	>= 2.3 dB	34.0 dB
3,6	DH	OK	33.9 dB @ 239.50MHz	N/A	>= 2.2 dB	31.7 dB
5,4	DH	OK	35.8 dB @ 231.00MHz	N/A	>= 3.1 dB	32.7 dB
1,2	DH	OK	39.4 dB @ 242.00MHz	N/A	>= 1.9 dB	37.5 dB
7,8	RH	OK	35.9 dB @ 225.50MHz	N/A	>= 3.7 dB	32.2 dB
3,6	RH	OK	30.9 dB @ 239.50MHz	N/A	>= 2.2 dB	28.7 dB
5,4	RH	OK	34.0 dB @ 239.50MHz	N/A	>= 2.2 dB	31.8 dB
1,2	RH	OK	35.7 dB @ 226.00MHz	N/A	>= 3.6 dB	32.1 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	36.2 dB @ 228.00MHz	N/A	>= 14.0 dB	22.2 dB
3,6	DH	OK	25.3 dB @ 238.00MHz	N/A	>= 13.6 dB	11.7 dB
5,4	DH	OK	25.7 dB @ 239.00MHz	N/A	>= 13.6 dB	12.1 dB
1,2	DH	OK	35.9 dB @ 227.00MHz	N/A	>= 14.0 dB	21.9 dB
7,8	RH	OK	37.7 dB @ 222.50MHz	N/A	>= 14.2 dB	23.5 dB
3,6	RH	OK	25.1 dB @ 239.50MHz	N/A	>= 13.6 dB	11.5 dB
5,4	RH	OK	25.6 dB @ 238.50MHz	N/A	>= 13.6 dB	12.0 dB
1,2	RH	OK	35.6 dB @ 242.00MHz	N/A	>= 13.5 dB	22.1 dB

# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

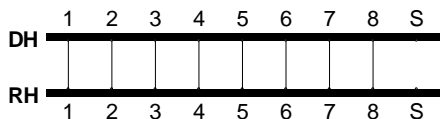
**OK**

ID cavo 1: 0168  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:31:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**Schema cablaggio**



**OK**

### Coppia (NVP)

Test	7,8(0.72)	3,6(0.72)	5,4(0.72)	1,2(0.72)	Limite	Risultato
Lunghezza	14.8m	15.2m	15.6m	15.1m	< 90.0m	OK
Ritardo di propag.	83.5ns	85.6ns	87.5ns	84.8ns	< 510.0ns	OK
Diff. t. ritardo	4.0ns (Coppia 5,4 vs. 7,8)				< 43.0 ns	OK
Impedenza	102.1 Ohm	101.8 Ohm	98.6 Ohm	103.6 Ohm	85.0 - 115.0 Ohm	OK
Resistenza DC	4.5 Ohm	4.9 Ohm	5.6 Ohm	4.5 Ohm	< 20.0 Ohm	OK
Capacità	46.3pF/m	46.5pF/m	48.1pF/m	45.6pF/m	< 66.0pF/m	OK
Riserva	0.5 dB					OK

**NEXT: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8-3,6	DH	OK	40.9 dB @ 247.50MHz	N/A	> 35.4 dB	5.5 dB
7,8-5,4	DH	OK	46.1 dB @ 237.50MHz	N/A	> 35.7 dB	10.4 dB
7,8-1,2	DH	OK	51.9 dB @ 217.00MHz	N/A	> 36.3 dB	15.6 dB
3,6-5,4	DH	OK	45.4 dB @ 231.50MHz	N/A	> 35.9 dB	9.5 dB
3,6-1,2	DH	OK	43.1 dB @ 241.50MHz	N/A	> 35.6 dB	7.5 dB
5,4-1,2	DH	OK	43.8 dB @ 207.50MHz	N/A	> 36.6 dB	7.2 dB
7,8-3,6	RH	OK	38.8 dB @ 227.00MHz	N/A	> 36.0 dB	2.8 dB
7,8-5,4	RH	OK	45.6 dB @ 218.00MHz	N/A	> 36.3 dB	9.3 dB
7,8-1,2	RH	OK	46.0 dB @ 221.00MHz	N/A	> 36.2 dB	9.8 dB
3,6-5,4	RH	OK	37.6 dB @ 247.00MHz	N/A	> 35.4 dB	2.2 dB
3,6-1,2	RH	OK	41.1 dB @ 250.00MHz	N/A	> 35.3 dB	5.8 dB
5,4-1,2	RH	OK	38.1 dB @ 222.50MHz	N/A	> 36.1 dB	2.0 dB

**Return Loss: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	13.7 dB @ 222.50MHz	N/A	> 10.5 dB	3.2 dB
3,6	DH	OK	14.4 dB @ 225.00MHz	N/A	> 10.5 dB	3.9 dB
5,4	DH	OK	16.2 dB @ 233.00MHz	N/A	> 10.3 dB	5.9 dB
1,2	DH	OK	16.0 dB @ 218.50MHz	N/A	> 10.6 dB	5.4 dB
7,8	RH	OK	15.3 dB @ 210.00MHz	N/A	> 10.8 dB	4.5 dB
3,6	RH	OK	14.0 dB @ 165.50MHz	N/A	> 11.8 dB	2.2 dB
5,4	RH	OK	16.8 dB @ 168.50MHz	N/A	> 11.7 dB	5.1 dB
1,2	RH	OK	18.3 dB @ 212.00MHz	N/A	> 10.7 dB	7.6 dB

**Attenuazione: OK**

Coppia	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	OK	5.6 dB @ 238.50MHz	N/A	< 30.3 dB	24.7 dB
3,6	OK	5.6 dB @ 246.00MHz	N/A	< 30.9 dB	25.3 dB
5,4	OK	6.1 dB @ 236.00MHz	N/A	< 30.1 dB	24.0 dB
1,2	OK	5.6 dB @ 234.00MHz	N/A	< 30.0 dB	24.4 dB

**ACR: OK**

Coppia	DH/RH	Risultato	Val. pegg. Margine	Val. pegg. dB	Limite	Margine
7,8	DH	OK	36.0 dB @ 248.50MHz	N/A	>= 4.4 dB	31.6 dB
3,6	DH	OK	35.7 dB @ 246.50MHz	N/A	>= 4.5 dB	31.2 dB
5,4	DH	OK	38.5 dB @ 246.50MHz	N/A	>= 4.5 dB	34.0 dB
1,2	DH	OK	37.5 dB @ 234.00MHz	N/A	>= 5.8 dB	31.7 dB
7,8	RH	OK	34.0 dB @ 220.50MHz	N/A	>= 7.2 dB	26.8 dB
3,6	RH	OK	32.4 dB @ 246.50MHz	N/A	>= 4.5 dB	27.9 dB
5,4	RH	OK	31.9 dB @ 246.50MHz	N/A	>= 4.5 dB	27.4 dB
1,2	RH	OK	33.5 dB @ 223.00MHz	N/A	>= 6.9 dB	26.6 dB



# IDEAL Industries, Inc. Certified - Relazione dettagliata

Nome lavoro: Via Magenta 5 - ROMA  
 Cliente:

Data relazione: 29/06/2013  
 S/W Version: 3.278

**OK**

ID cavo 1: 0168  
 ID cavo 2:  
 Data del test: 29/06/2013  
 Test Time: 13:31:18  
 Adapter ID: 600

Tipo di cavo: CAT 6-250 UTP Perm  
 NVP: 0.72c  
 LT8600 [513010/513019]  
 F/W Version: V2.621

Test Standard: TIA/EIA-568-B.2  
 Gamma frequenza: 1-250 MHz  
 Operatore: OPERATORE  
 Contractor: YOUUS Srl  
 Company: AMNESTY INTERNATIONAL

Notes:  
**ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8-3,6	DH	OK	35.0 dB @ 212.50MHz	N/A	> 17.6 dB	17.4 dB
7,8-5,4	DH	OK	39.3 dB @ 225.50MHz	N/A	> 17.1 dB	22.2 dB
7,8-1,2	DH	OK	41.2 dB @ 234.00MHz	N/A	> 16.8 dB	24.4 dB
3,6-7,8	DH	OK	36.3 dB @ 229.50MHz	N/A	> 16.9 dB	19.4 dB
3,6-5,4	DH	OK	28.5 dB @ 238.00MHz	N/A	> 16.6 dB	11.9 dB
3,6-1,2	DH	OK	36.0 dB @ 234.00MHz	N/A	> 16.8 dB	19.2 dB
5,4-7,8	DH	OK	37.7 dB @ 237.00MHz	N/A	> 16.7 dB	21.0 dB
5,4-3,6	DH	OK	28.0 dB @ 221.50MHz	N/A	> 17.3 dB	10.7 dB
5,4-1,2	DH	OK	39.2 dB @ 234.00MHz	N/A	> 16.8 dB	22.4 dB
1,2-7,8	DH	OK	39.2 dB @ 250.00MHz	N/A	> 16.2 dB	23.0 dB
1,2-3,6	DH	OK	36.7 dB @ 248.00MHz	N/A	> 16.3 dB	20.4 dB
1,2-5,4	DH	OK	36.9 dB @ 230.00MHz	N/A	> 16.9 dB	20.0 dB
7,8-3,6	RH	OK	35.6 dB @ 220.50MHz	N/A	> 17.3 dB	18.3 dB
7,8-5,4	RH	OK	39.5 dB @ 224.50MHz	N/A	> 17.1 dB	22.4 dB
7,8-1,2	RH	OK	41.5 dB @ 238.50MHz	N/A	> 16.6 dB	24.9 dB
3,6-7,8	RH	OK	36.3 dB @ 230.00MHz	N/A	> 16.9 dB	19.4 dB
3,6-5,4	RH	OK	28.7 dB @ 237.00MHz	N/A	> 16.7 dB	12.0 dB
3,6-1,2	RH	OK	36.7 dB @ 234.00MHz	N/A	> 16.8 dB	19.9 dB
5,4-7,8	RH	OK	36.3 dB @ 236.00MHz	N/A	> 16.7 dB	19.6 dB
5,4-3,6	RH	OK	27.7 dB @ 220.50MHz	N/A	> 17.3 dB	10.4 dB
5,4-1,2	RH	OK	38.6 dB @ 226.50MHz	N/A	> 17.1 dB	21.5 dB
1,2-7,8	RH	OK	39.5 dB @ 249.00MHz	N/A	> 16.2 dB	23.3 dB
1,2-3,6	RH	OK	37.2 dB @ 248.00MHz	N/A	> 16.3 dB	20.9 dB
1,2-5,4	RH	OK	37.7 dB @ 230.00MHz	N/A	> 16.9 dB	20.8 dB

**Power Sum NEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	40.3 dB @ 247.50MHz	N/A	> 32.4 dB	7.9 dB
3,6	DH	OK	39.0 dB @ 247.50MHz	N/A	> 32.4 dB	6.6 dB
5,4	DH	OK	40.8 dB @ 238.50MHz	N/A	> 32.7 dB	8.1 dB
1,2	DH	OK	42.0 dB @ 246.50MHz	N/A	> 32.4 dB	9.6 dB
7,8	RH	OK	38.1 dB @ 227.00MHz	N/A	> 33.0 dB	5.1 dB
3,6	RH	OK	34.7 dB @ 247.00MHz	N/A	> 32.4 dB	2.3 dB
5,4	RH	OK	35.4 dB @ 247.00MHz	N/A	> 32.4 dB	3.0 dB
1,2	RH	OK	37.1 dB @ 223.00MHz	N/A	> 33.1 dB	4.0 dB

**Power Sum ACR: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	35.0 dB @ 238.50MHz	N/A	>= 2.4 dB	32.6 dB
3,6	DH	OK	33.7 dB @ 248.50MHz	N/A	>= 1.4 dB	32.3 dB
5,4	DH	OK	35.4 dB @ 238.00MHz	N/A	>= 2.4 dB	33.0 dB
1,2	DH	OK	36.9 dB @ 246.50MHz	N/A	>= 1.5 dB	35.4 dB
7,8	RH	OK	33.2 dB @ 220.50MHz	N/A	>= 4.2 dB	29.0 dB
3,6	RH	OK	29.5 dB @ 247.00MHz	N/A	>= 1.5 dB	28.0 dB
5,4	RH	OK	29.7 dB @ 246.50MHz	N/A	>= 1.5 dB	28.2 dB
1,2	RH	OK	32.3 dB @ 246.50MHz	N/A	>= 1.5 dB	30.8 dB

**Power Sum ELFEXT: OK**

<u>Coppia</u>	<u>DH/RH</u>	<u>Risultato</u>	<u>Val. pegg. Margine</u>	<u>Val. pegg. dB</u>	<u>Limite</u>	<u>Margine</u>
7,8	DH	OK	33.4 dB @ 229.50MHz	N/A	>= 13.9 dB	19.5 dB
3,6	DH	OK	27.1 dB @ 227.50MHz	N/A	>= 14.0 dB	13.1 dB
5,4	DH	OK	27.9 dB @ 239.00MHz	N/A	>= 13.6 dB	14.3 dB
1,2	DH	OK	33.4 dB @ 234.00MHz	N/A	>= 13.8 dB	19.6 dB
7,8	RH	OK	34.2 dB @ 227.00MHz	N/A	>= 14.0 dB	20.2 dB
3,6	RH	OK	27.6 dB @ 237.00MHz	N/A	>= 13.7 dB	13.9 dB
5,4	RH	OK	27.1 dB @ 227.50MHz	N/A	>= 14.0 dB	13.1 dB
1,2	RH	OK	34.0 dB @ 234.00MHz	N/A	>= 13.8 dB	20.2 dB