

# IDEAL Industries, Inc. Certified - Brief Report

Job Name: JYH ENG UTP CAT 5E  
Customer:

Report Date: 09.10.2009 T.  
S/W Version: 3.274

## PASS

Cable ID 1: TEST 0002  
Cable ID 2:  
Test Date: 31.8.2009 T.  
Test Time: 12:41:02  
Adapter ID: 6000

Cable Type: CAT 5E UTP Chan  
NVP: 0.70c  
LANTEK 7 [402009/401014]  
F/W Version: 2.701  
Temperature Setting: 20.0° C

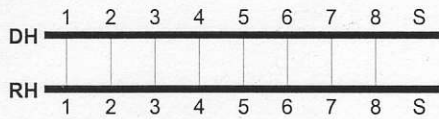
Test Standard: TIA 568-B.2  
Frequency Range: 1-100 MHz  
Operator: OPERATOR NAME  
Contractor: CONTRACTOR NAME  
Company: COMPANY NAME

**Notes:**

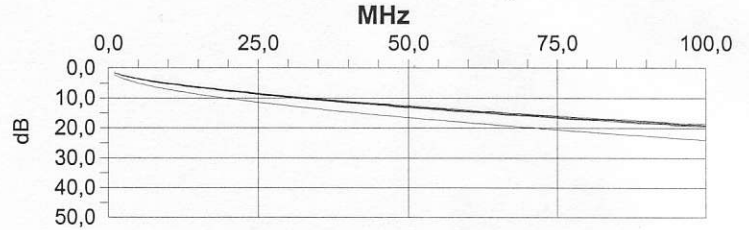
	<u>Result</u>	<u>Worst</u>
Wiremap	PASS	12345678
Attenuation	PASS	2.2 dB @ 1.9 MHz
Length	PASS	85.8 m
NEXT	PASS	34.6 dB @ 83.0 MHz
Prop. Delay	PASS	418.6 ns
Delay Skew	PASS	15.7 ns
Return Loss	PASS	25.5 dB @ 1.8 MHz
ACR	PASS	17.0 dB @ 83.0 MHz
ELFEXT	PASS	30.3 dB @ 89.5 MHz
Headroom	PASS	13.3 dB
Power Sum ACR	PASS	16.2 dB @ 83.0 MHz
Power Sum ELFEXT	PASS	27.8 dB @ 89.0 MHz
Power Sum NEXT	PASS	33.8 dB @ 83.0 MHz

	<u>DH/RH</u>	<u>Pairs</u>	<u>Limit</u>	<u>Margin</u>
		N/A	12345678	N/A
		7,8	< 3.1 dB	+0.9 dB
		3,6	< 100.0 m	+14.2 m
DH		3,6-5,4	> 31.5 dB	+3.1 dB
		3,6	555.0 ns	+136.4 ns
		3,6	< 50.0 ns	+34.3 ns
RH		1,2	> 17.0 dB	+8.5 dB
DH		3,6	>= 9.8 dB	+7.2 dB
DH		5,4-3,6	> 18.4 dB	+11.9 dB
		N/A	N/A	N/A
DH		3,6	> 6.8 dB	+9.4 dB
RH		5,4	> 15.4 dB	+12.4 dB
DH		3,6	> 28.5 dB	+5.3 dB

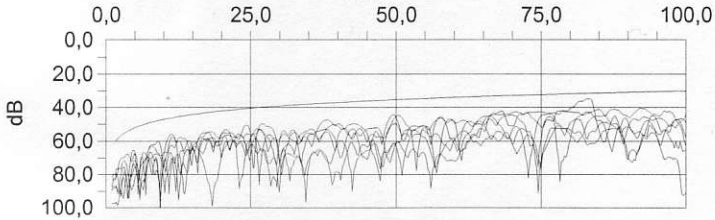
**Wiremap**



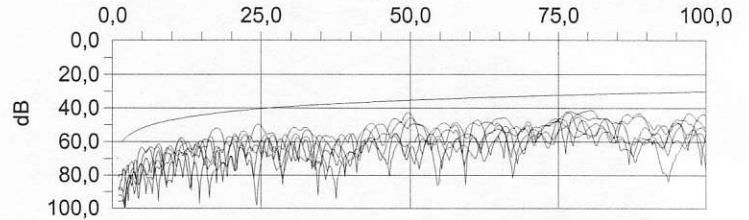
**Attenuation Summary**



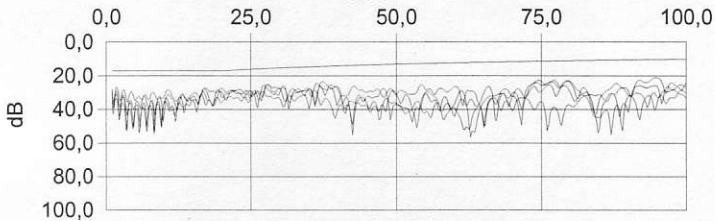
**NEXT DH Summary**



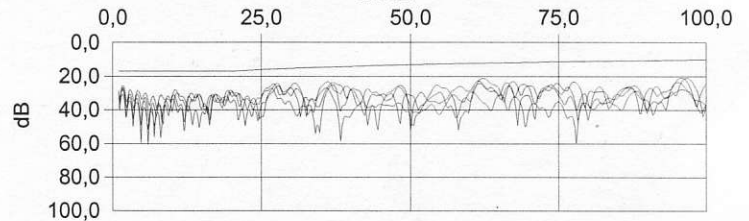
**NEXT RH Summary**



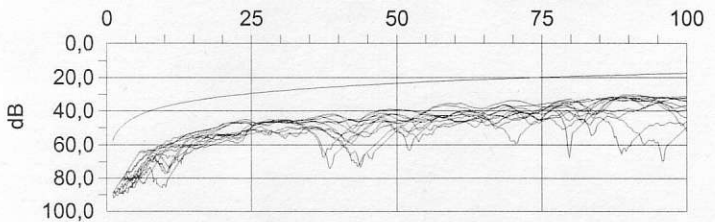
**Return Loss DH Summary**



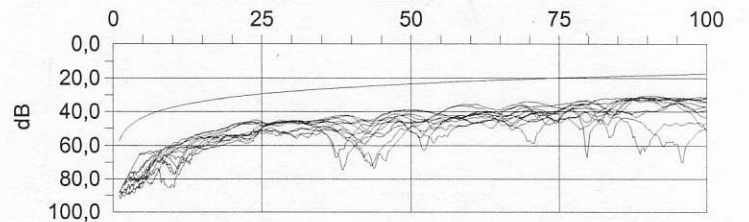
**Return Loss RH Summary**



**ELFEXT DH Summary**



**ELFEXT RH Summary**



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Job Name: JYH ENG UTP CAT 5E  
 Customer:

Report Date: 09.10.2009 τ  
 S/W Version: 3.274

**Summary:**

<u>All Cables</u>	<u>Twisted Pair</u>	<u>Coax/Twinax</u>	<u>Fiber</u>	<u>Custom</u>
Total: 2	Total: 2	Total: 0	Total: 0	Total: 0
Pass: 2	Pass: 2	Pass: 0	Pass: 0	Pass: 0
Fail: 0	Fail: 0	Fail: 0	Fail: 0	Fail: 0
	Tot. Length: 162.50m	Tot. Length: 0.00m	Tot. Length: 0.00m	Tot. Length: 0.00m

## PASS

Cable ID 1: TEST 0001  
 Cable ID 2:  
 Test Date: 31.8.2009 τ  
 Test Time: 12:39:31  
 Adapter ID: 6000

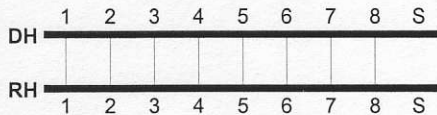
Cable Type: Cat 5E UTP Perm  
 NVP: 0.70c  
 LANTEK 7 [402009/401014]  
 F/W Version: 2.701  
 Temperature Setting: 20.0° C

Test Standard: TIA 568-B.2  
 Frequency Range: 1-100 MHz  
 Operator: OPERATOR NAME  
 Contractor: CONTRACTOR NAME  
 Company: COMPANY NAME

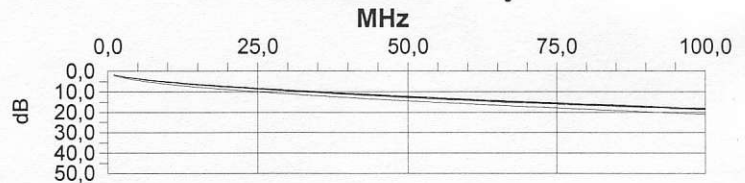
**Notes:**

	<u>Result</u>	<u>Worst</u>	<u>DH/RH</u>	<u>Pairs</u>	<u>Limit</u>	<u>Margin</u>
Wiremap	PASS	12345678		N/A	12345678	N/A
Attenuation	PASS	2.6 dB @ 2.5 MHz		3,6	< 3.1 dB	+0.5 dB
Length	PASS	82.2 m		3,6	< 90.0 m	+7.8 m
NEXT	PASS	34.2 dB @ 83.3 MHz	DH	3,6-5,4	> 33.6 dB	+0.6 dB
Prop. Delay	PASS	414.2 ns		3,6	498.0 ns	+83.8 ns
Delay Skew	PASS	10.2 ns		3,6	< 44.0 ns	+33.8 ns
Return Loss	PASS	18.9 dB @ 61.8 MHz	RH	1,2	> 14.1 dB	+4.8 dB
ACR	PASS	17.2 dB @ 83.3 MHz	DH	3,6	>= 14.6 dB	+2.6 dB
ELFEXT	PASS	30.8 dB @ 88.8 MHz	DH	5,4-3,6	> 19.7 dB	+11.1 dB
Headroom	PASS	12.8 dB		N/A	N/A	N/A
Power Sum ACR	PASS	16.4 dB @ 83.3 MHz	DH	3,6	> 11.6 dB	+4.8 dB
Power Sum ELFEXT	PASS	28.1 dB @ 88.8 MHz	RH	5,4	> 16.7 dB	+11.4 dB
Power Sum NEXT	PASS	33.4 dB @ 83.3 MHz	DH	3,6	> 30.6 dB	+2.8 dB

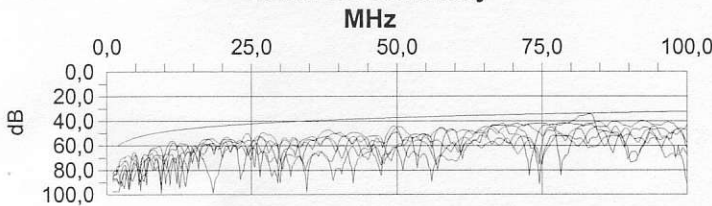
**Wiremap**



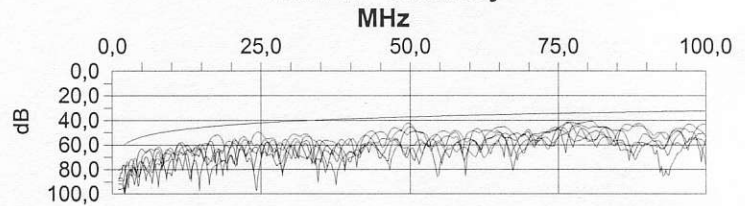
**Attenuation Summary**



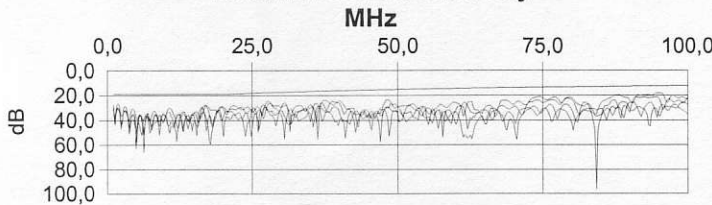
**NEXT DH Summary**



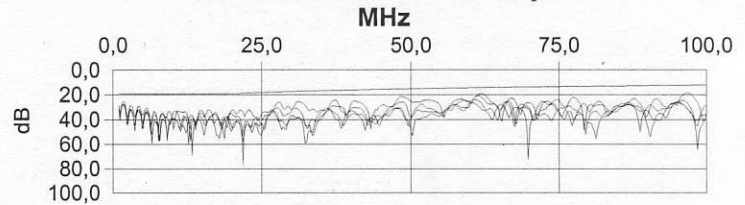
**NEXT RH Summary**



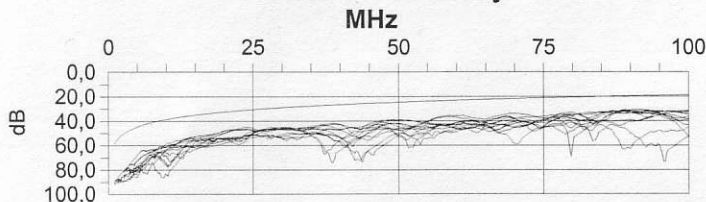
**Return Loss DH Summary**



**Return Loss RH Summary**



**ELFEXT DH Summary**



**ELFEXT RH Summary**

