

## Cat-5 STP Lan Cable - CCA - 4 Pair - Outdoor



- 100 Ohm, STP LAN cable, for outdoor use.
- 4 twisted pairs

# Cat-5 STP Lan Cable - CCA - 4 Pair - Outdoor

*Specifications:* 4x2x(1/0.50CCA+ID0.93)+AL Foil+64x0.12mm Braiding(CCA)+Rip wire+O.D5.8mm+O.D7.0mmPE

## Construction

- **Basic Wires**

Conductor: Copper clad aluminum 0.50mm outer diameter  
Insulation: Solid PE, 0.93mm

- **Wall Thickness**

1.1 mm nominal

- **Overall Diameter**

7.0 mm nominal

- **Outer Sheath:**

PVC grey + PE black

- **Printing**

CAT5E STP 4 PAIRS OUTDOOR METERMARKING

## Electrical

- **DC Resistance**

Max. 130 Ohm/Km

- **Resistance Unbalance**

5% Max. at 20°C

- **Mutual Capacitance**

56+/-4 pF/m at 1 KHz

- **Capacitance Unbalance**

3300 pF/km Max. at 1 KHz

- **Impedance**

100+/-15 Ohm at 1 to 100 MHz

- **Voltage Rating**  
300 Vrms
- **Dielectric Strength**  
700 VAC/one minute
- **Velocity of Propagation**  
66% nominal
- **Propagation Delay**  
5.7 nS/m max @ 1 MHz  
5.4 nS/m max @ 10 MHz  
5.3 nS/m max @ 100 MHz
- **Propagation Delay Skew**  
35 nS/m max @ 1-100 MHz
- **Insulation Resistance**  
5 G Ohm\*km min

## General

- **Installation Temperature**  
-5 to 40 °C
- **Operating Temperature**  
-20 to 70 °C
- **Bending Radius**  
70 mm during installation  
50 mm during operation
- **Weight**  
39.5 kg/km, nominal



### Cable ID: NF CAT5E STP CCA 0

### Test Summary: FAIL

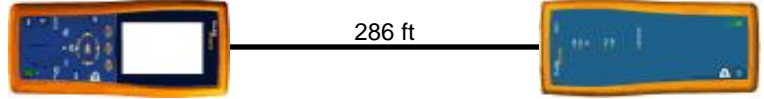
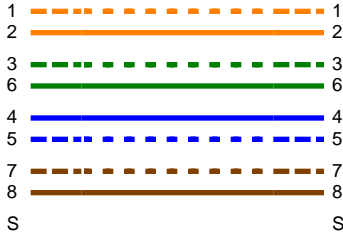
Date / Time: 09/20/2011 08:20:38am  
**Headroom: 1.3 dB (NEXT 12-36)**  
**Test Limit: TIA Cat 5e Channel**  
 Cable Type: Cat 5e ÜTP

Operator: JX  
 Software Version: 2.2200  
 Limits Version: 1.3700  
 NVP: 69.0%

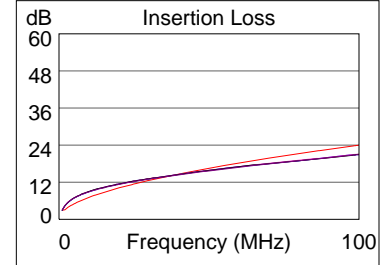
Model: DTX-1800  
 Main S/N: 1034027  
 Remote S/N: 1034028  
 Main Adapter: DTX-CHA001  
 Remote Adapter: DTX-CHA001

Wire Map (T568B)

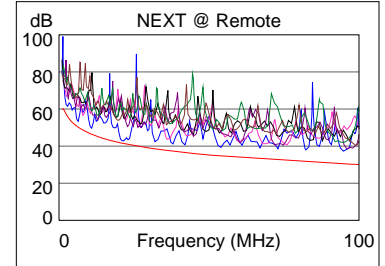
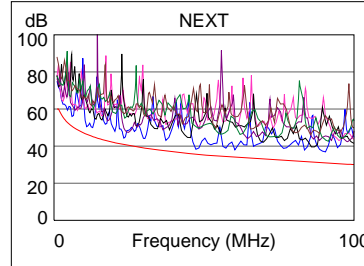
**PASS**



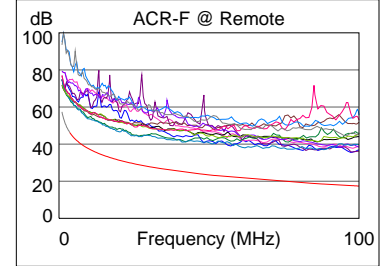
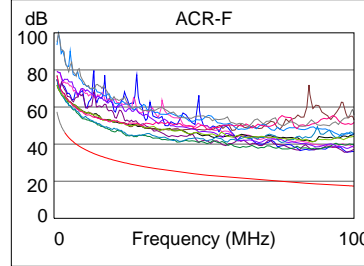
Length (ft), Limit 328	[Pair 45]	286
Prop. Delay (ns), Limit 555		434
Delay Skew (ns), Limit 50		13
Resistance (ohms)	[Pair 12]	25.6
Insertion Loss Margin (dB)	[Pair 12]	<b>-2.0 F</b>
Frequency (MHz)	[Pair 12]	7.5
Limit (dB)	[Pair 12]	6.1



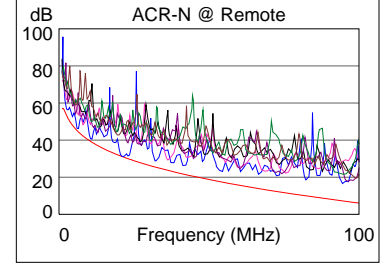
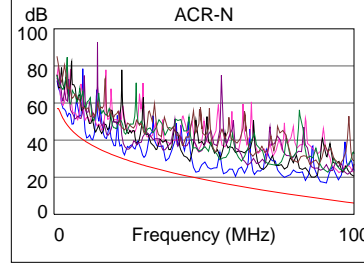
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	12-36	12-36	12-36	12-36
<b>NEXT (dB)</b>	2.2	1.3	6.1	6.6
Freq. (MHz)	47.8	20.9	90.5	94.5
Limit (dB)	35.6	41.7	30.8	30.5
Worst Pair	36	12	36	36
<b>PS NEXT (dB)</b>	4.8	3.9	7.7	7.1
Freq. (MHz)	47.8	21.6	90.5	96.0
Limit (dB)	32.6	38.4	27.8	27.4



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-45	45-36	12-36	12-36
<b>ACR-F (dB)</b>	14.7	14.7	18.0	17.9
Freq. (MHz)	24.1	24.1	97.8	97.3
Limit (dB)	29.8	29.8	17.6	17.6
Worst Pair	36	36	12	12
<b>PS ACR-F (dB)</b>	17.3	16.3	18.4	19.1
Freq. (MHz)	24.4	24.1	97.0	97.8
Limit (dB)	26.7	26.8	14.7	14.6



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>N/A</b>				
Worst Pair	12-36	12-36	12-36	12-36
<b>ACR-N (dB)</b>	2.2	0.1	8.7	9.4
Freq. (MHz)	10.9	20.9	90.5	94.5
Limit (dB)	39.0	31.3	8.1	7.2
Worst Pair	36	12	36	36
<b>PS ACR-N (dB)</b>	3.9	2.8	10.3	9.9
Freq. (MHz)	23.4	21.4	90.5	96.0
Limit (dB)	26.8	28.0	5.1	3.9



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36	36	36	45
<b>RL (dB)</b>	2.1	1.6	7.8	3.7
Freq. (MHz)	19.4	8.8	96.5	60.0
Limit (dB)	17.0	17.0	10.2	12.2

