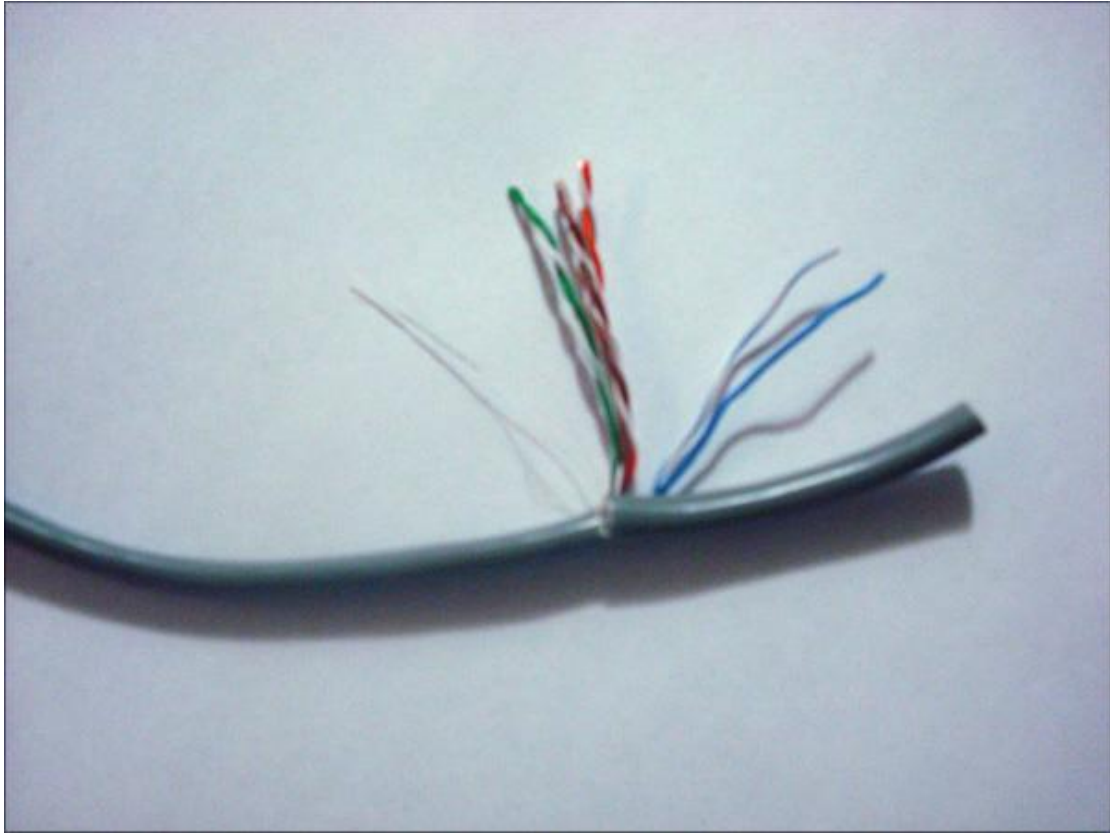


Cat-5 UTP Lan Cable - CCA - 4 Pair



- 100 Ohm, UTP LAN cable
- 4 twisted pairs

Cat-5 UTP Lan Cable - CCA - 4 Pair

Specifications: 4x2x(1/0.50CCA+ID0.93)+Rip wire+O.D5.2mm, Grey PVC

Construction

- **Basic Wires**

Conductor: Copper clad aluminum 0.50mm outer diameter
Insulation: Solid PE, 0.9mm

- **Wall Thickness**

0.5 mm nominal

- **Overall Diameter**

5.2 mm nominal

- **Outer Sheath:**

PVC, grey

- **Printing**

CAT5E UTP 4 PAIRS 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**

20 kg/km, nominal



Cable ID: NF CAT5E UTP CCA

Test Summary: PASS

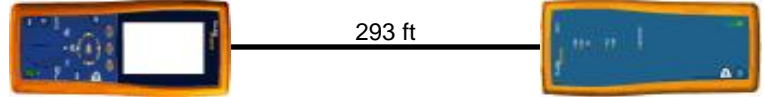
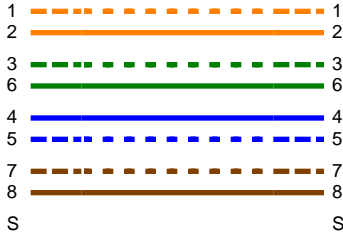
Date / Time: 09/20/2011 08:07:07am
Headroom: 4.2 dB (NEXT 45-78)
Test Limit: TIA Cat 5e Channel
 Cable Type: Cat 5e UTP

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

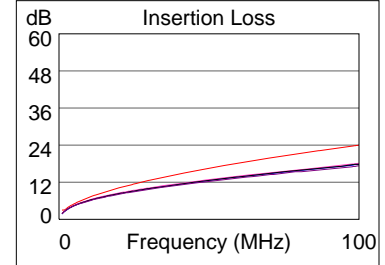
Model: DTX-1800
 Main S/N: 1034027
 Remote S/N: 1034028
 Main Adapter: DTX-CHA001
 Remote Adapter: DTX-CHA001

Wire Map (T568B)

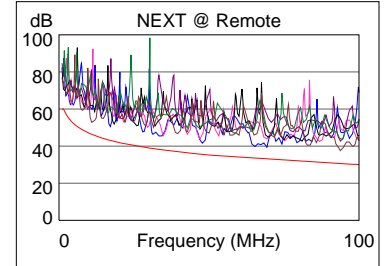
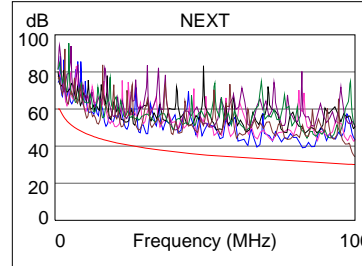
PASS



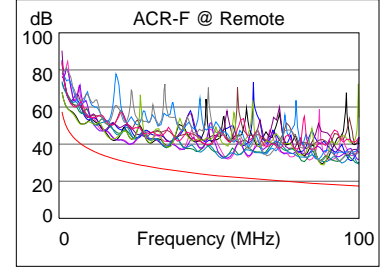
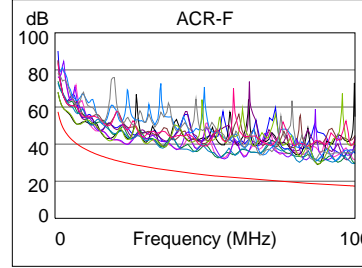
Length (ft), Limit 328	[Pair 78]	293
Prop. Delay (ns), Limit 555		443
Delay Skew (ns), Limit 50		11
Resistance (ohms)	[Pair 78]	25.4
Insertion Loss Margin (dB)	[Pair 36]	5.9
Frequency (MHz)	[Pair 36]	100.0
Limit (dB)	[Pair 36]	24.0



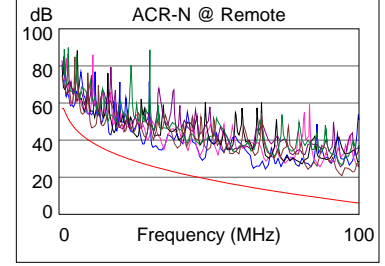
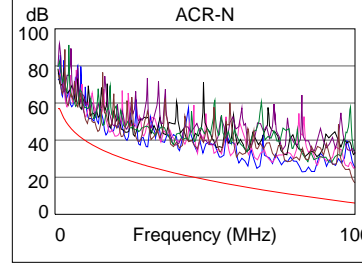
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45-78	12-36	45-78	45-78
NEXT (dB)	4.2	5.9	4.2	6.9
Freq. (MHz)	100.0	47.3	100.0	94.0
Limit (dB)	30.1	35.7	30.1	30.5
Worst Pair	45	12	45	45
PS NEXT (dB)	6.6	6.2	6.6	8.5
Freq. (MHz)	100.0	47.3	100.0	94.0
Limit (dB)	27.1	32.7	27.1	27.5



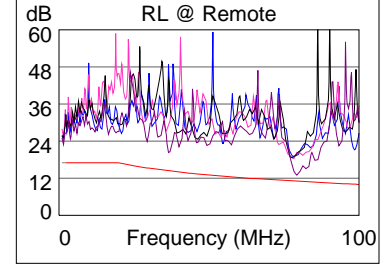
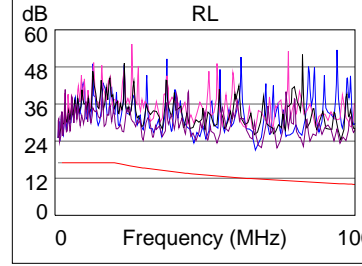
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	45-12	12-45	12-78	78-12
ACR-F (dB)	9.5	9.5	10.4	10.0
Freq. (MHz)	56.3	56.3	87.8	87.8
Limit (dB)	22.4	22.4	18.5	18.5
Worst Pair	12	45	78	45
PS ACR-F (dB)	9.9	10.0	11.2	11.9
Freq. (MHz)	18.5	55.5	87.8	92.5
Limit (dB)	29.1	19.5	15.5	15.1



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
N/A				
Worst Pair	12-45	45-78	45-78	45-78
ACR-N (dB)	8.7	7.6	10.9	13.3
Freq. (MHz)	3.9	10.9	100.0	94.0
Limit (dB)	49.4	39.0	6.1	7.3
Worst Pair	12	12	45	45
PS ACR-N (dB)	9.3	9.5	12.8	14.6
Freq. (MHz)	3.8	3.9	100.0	94.0
Limit (dB)	46.7	46.4	3.1	4.3



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	78	78	12	78
RL (dB)	8.0	2.0	9.3	2.0
Freq. (MHz)	2.8	79.3	67.0	79.3
Limit (dB)	17.0	11.0	11.7	11.0



Compliant Network Standards:
 10BASE-T 100BASE-TX 100BASE-T4
 1000BASE-T ATM-25 ATM-51
 ATM-155 100VG-AnyLan TR-4
 TR-16 Active TR-16 Passive