

CAT6 U/UTP 23AWG CCA 4 Pair Lan Cable

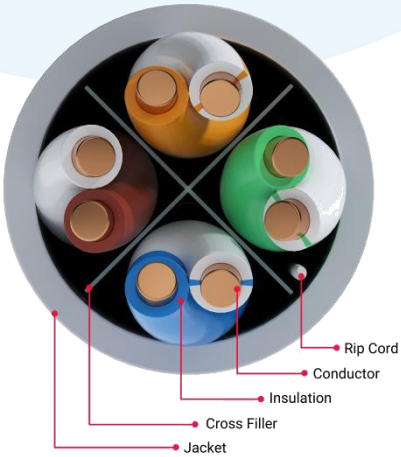
Model No: PFTC-6

Application
 IEEE 802.3:10 Base-T, 100 Base-T4,1000 Base-X, 100 Base-VG
 100 Mbps TPDDI , 1000 Base T , 622 Mbps ATM
 High Speed Horizontal Cabling
 Gigabit Ethernet

Standard Compliance
 TIA /EIA-568-B.2 -1
 ISO/IEC 11801
 EN50173



Construction Characteristics ▼

Conductor	Material	CCA	
	AWG	23	
	Diameter(±0.01mm)	0.57	
Insulation	Material	HD-PE	
	Average Thickness(mm)	0.22	
	Diameter(±0.02mm)	1.01	
	Min.Point Thickness(mm)	0.19	
Jacket	Material	PVC	
	Outer Diameter (±0.2mm)	6.20	
	Min Thickness (±0.1mm)	0.55	
	AVG.Thickness (mm)	0.60	
	Rip Cord	Nylon	
	Color	Blue RAL 5015	

Wire Color:
 A.Blue, White-Blue B.Orange, White-Orange
 C.Green,White-Green D.Brown, White-Brown

Physical & Electrical Properties

Impedance(ohms): 100 ± 15
 Rated Temperature°C: 75
 Delay Skew(ns/100m): <=45
 DC Resistance 20°C: 22
 Insulation Resistance: >5000MΩ*Km
 Dielectric Strength: DC 2500V 2S

Pair-to-Ground Capacitance Unbalance (pF/100m): <=330
 Max. Conductor DC Resistance 20°C (ohms/km): 93.8
 Resistance Unbanlance(%) : <=5

Mechanical Characteristics

Test Object: Jacket

Test Material: PVC

Before Tensile Strength (Mpa): >=13.8

Aging Elongation (%): >=100

Aging Condition (°Cxhrs): 100×168

After Tensile Strength (Mpa): >=85% of unaged

Aging Elongation (%): >=50% of unaged

Cold Bend(-20±2°Cx4hrs): No crack

Bending Radius: ≥ 4*OD (without load)

Temperature Range: -40°C ~ 75°C

during operation: -20°C-75°C

during installation: -0°C--60°C

Voltage Rating: 30V

Performance ▼

Frequency	Return loss	Attenuation	NEXT	PSNEXT	ELFEXT	PSELFEXT	Delay Max
(MHz)	(Min dB)	Max (dB/100m)	(Min dB)	Min (dB)	Min (dB/100m)	Min (dB/100m)	(ns/100m)
1	20.0	2.0	74.3	72.3	67.8	64.8	570.0
4	23.0	4.1	65.3	63.3	55.7	52.7	552.0
8	24.5	5.8	60.8	58.8	49.7	46.7	546.7
16	25.0	8.2	56.3	54.3	43.7	40.7	543.0
20	25.0	9.3	54.8	52.8	41.7	38.7	542.0
62.5	21.5	17.0	47.4	45.4	31.8	28.8	538.6
100	20.1	22.0	44.3	42.3	27.8	24.8	537.6
200	18.0	32.4	39.8	37.8	21.7	18.7	536.5
250	17.3	36.9	38.3	36.3	19.8	16.8	536.3

Packing ▼

-Inner Box: 305M/Box

-Outer Box: 2 Boxes in Brown Carton

-Approx.Weight (KG): 20

-Approx. Dimension(CM): 48*38*38

Jacket Color ▼





Cable ID: FYTEC CAT6

Date / Time: 04/29/2024 22:44:06

Headroom 2.8 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 85.4%

Operator: Your Name

Software Version: 2.7800

Limits Version: 1.9500

Calibration Date:

Main (Tester): 07/12/2016

Remote (Tester): 07/12/2016

Test Summary: PASS

Model: DTX-1800

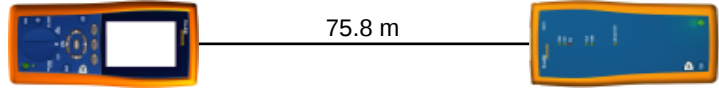
Main S/N: 8923015

Remote S/N: 8923016

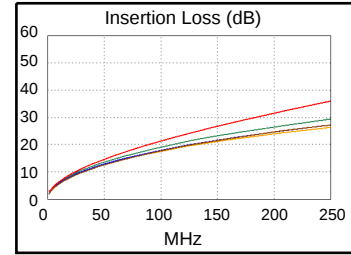
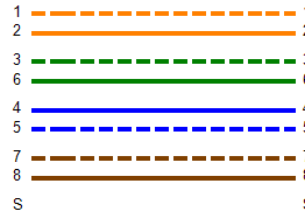
Main Adapter: DTX-CHA002

Remote Adapter: DTX-CHA002

Length (m), Limit 100.0	[Pair 78]	75.8
Prop. Delay (ns), Limit 555	[Pair 36]	308
Delay Skew (ns), Limit 50	[Pair 36]	12
Resistance (ohms)	[Pair 36]	25.9
Insertion Loss Margin (dB)	[Pair 36]	6.6
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9

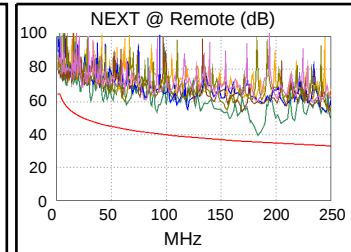
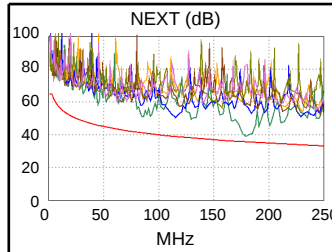


Wire Map (T568B)
PASS

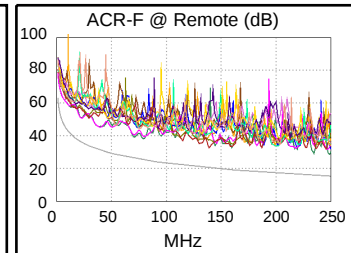
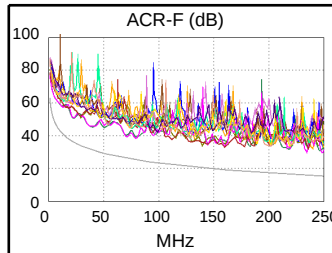


Worst Case Margin Worst Case Value

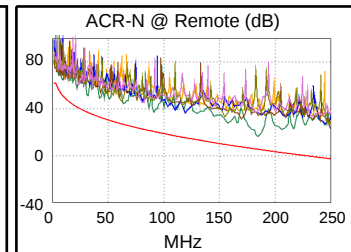
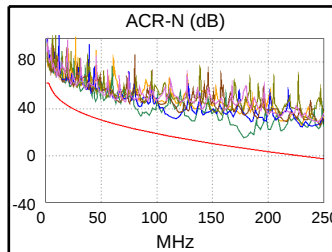
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	2.8	4.2	2.8	4.2
Freq. (MHz)	178.0	184.0	178.0	184.0
Limit (dB)	35.7	35.4	35.7	35.4
Worst Pair	12	45	12	45
PS NEXT (dB)	5.8	7.0	5.8	7.0
Freq. (MHz)	177.5	184.0	178.0	184.0
Limit (dB)	32.8	32.5	32.7	32.5



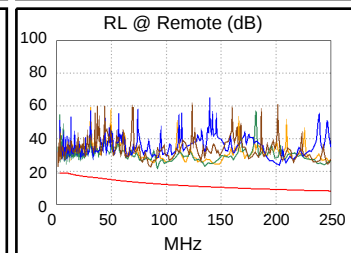
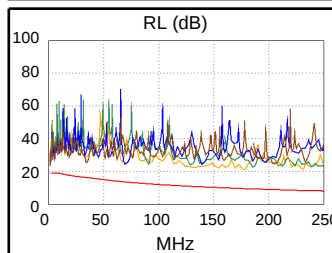
PASS	MAIN	SR	MAIN	SR
Worst Pair	45-12	45-36	45-12	12-45
ACR-F (dB)	13.0	12.0	14.3	13.4
Freq. (MHz)	78.8	139.5	248.5	248.5
Limit (dB)	25.3	20.4	15.4	15.4
Worst Pair	12	45	12	45
PS ACR-F (dB)	15.2	13.8	16.2	15.1
Freq. (MHz)	71.0	160.0	249.0	235.5
Limit (dB)	23.2	16.2	12.3	12.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	9.0	10.4	9.0	10.4
Freq. (MHz)	178.0	184.0	178.0	184.0
Limit (dB)	6.2	5.4	6.2	5.4
Worst Pair	45	36	45	45
PS ACR-N (dB)	11.9	11.6	11.9	13.3
Freq. (MHz)	178.0	3.3	178.0	184.0
Limit (dB)	3.3	58.4	3.3	2.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	36	12	36
RL (dB)	8.7	7.5	11.3	9.5
Freq. (MHz)	5.5	7.0	177.5	91.8
Limit (dB)	19.0	19.0	9.5	12.4



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	