

Outdoor CAT6 U/UTP 23AWG CCA 4 Pair Lan Cable

Model No: HP-6

Application

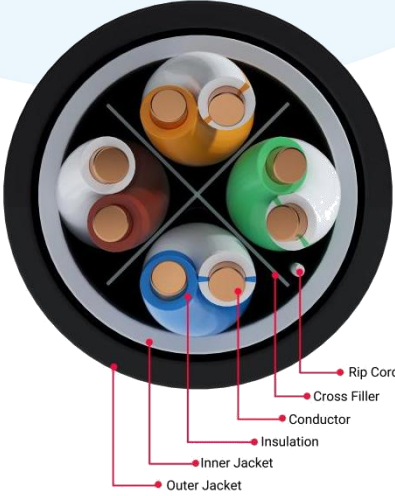
IEEE 802.3:10 Base-T, 100 Base-T4,1000 Base-X, 100 Base-VG
100 Mbps TPDDI , 1000 Base T , 622 Mbps ATM
High Speed Horizontal Cabling
Gigabit Ethernet

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)	0.225	
	Diameter(±0.02mm)	1.01	
	Min.Point Thickness(mm)	0.20	
Jacket	Material	PVC+PE	
	Outer Diameter (±0.2mm)	6.20	
	Min Thickness (±0.1mm)	0.55	
	AVG.Thickness (mm)	0.60	
	Rip Cord	Nylon	
	Color	Black RAL 9017	

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: PE

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 ▼

- Wooden Reel 305 Meter, 2 reel/carton
- Approx.Weight (KG): 23
- Approx. Dimension(CM): 61.5*31.5*27

Jacket Color ▼

RAL 5015

RAL 3020

RAL 1023

RAL 7036

RAL 1016

RAL 9017

RAL 6024

RAL 4005

RAL 9003





Cable ID: FYTEC CAT6 UTP

Date / Time: 04/29/2024 22:40:15

Headroom 2.6 dB (NEXT 12-45)

Test Limit: TIA Cat 6 Channel

Cable Type: Cat 6 U/UTP

NVP: 76.0%

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

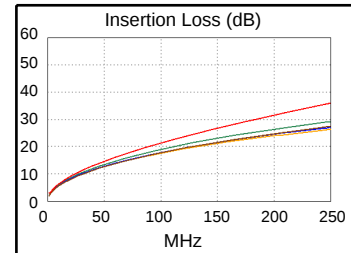
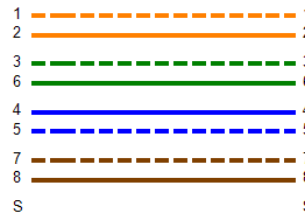
Length (m), Limit 100.0	[Pair 78]	67.4
Prop. Delay (ns), Limit 555	[Pair 36]	308
Delay Skew (ns), Limit 50	[Pair 36]	12
Resistance (ohms)	[Pair 78]	24.6
Insertion Loss Margin (dB)	[Pair 36]	6.8
Frequency (MHz)	[Pair 36]	250.0
Limit (dB)	[Pair 36]	35.9



67.4 m

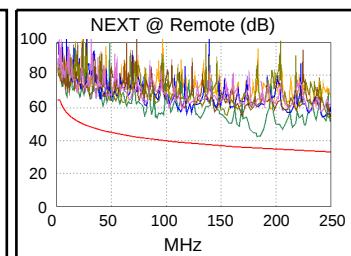
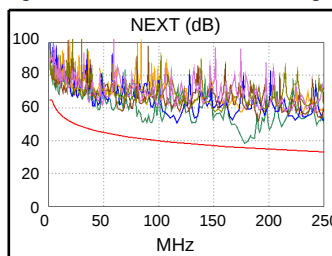


Wire Map (T568B)
PASS

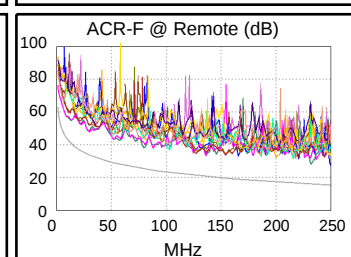
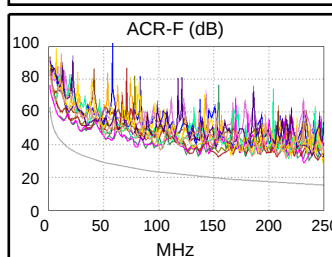


Worst Case Margin Worst Case Value

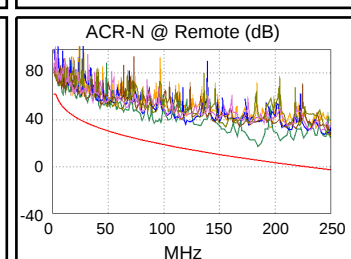
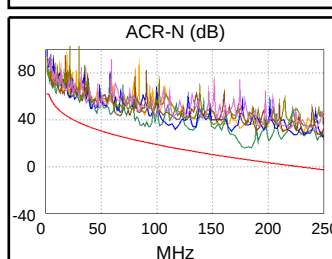
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
NEXT (dB)	2.6	5.1	2.6	5.1
Freq. (MHz)	177.5	184.0	177.5	184.0
Limit (dB)	35.7	35.4	35.7	35.4
Worst Pair	12	12	12	12
PS NEXT (dB)	5.5	8.0	5.5	8.0
Freq. (MHz)	177.5	184.0	177.5	184.0
Limit (dB)	32.8	32.5	32.8	32.5



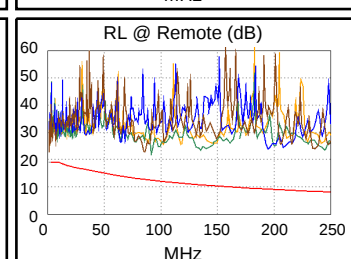
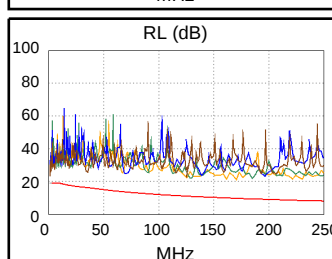
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	78-12	12-78
ACR-F (dB)	12.5	12.2	13.3	12.4
Freq. (MHz)	136.0	232.5	250.0	250.0
Limit (dB)	20.6	15.9	15.3	15.3
Worst Pair	45	45	12	12
PS ACR-F (dB)	13.7	14.3	15.7	15.0
Freq. (MHz)	125.5	137.5	250.0	237.0
Limit (dB)	18.3	17.5	12.3	12.8



N/A	MAIN	SR	MAIN	SR
Worst Pair	12-45	12-45	12-45	12-45
ACR-N (dB)	8.8	10.5	8.8	11.4
Freq. (MHz)	178.0	9.1	178.0	184.0
Limit (dB)	6.2	51.2	6.2	5.4
Worst Pair	45	36	45	45
PS ACR-N (dB)	11.7	11.5	11.7	14.4
Freq. (MHz)	178.0	3.1	178.0	184.0
Limit (dB)	3.3	58.4	3.3	2.4



PASS	MAIN	SR	MAIN	SR
Worst Pair	78	78	12	36
RL (dB)	8.7	7.9	11.4	9.4
Freq. (MHz)	5.5	7.0	170.5	91.8
Limit (dB)	19.0	19.0	9.7	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	