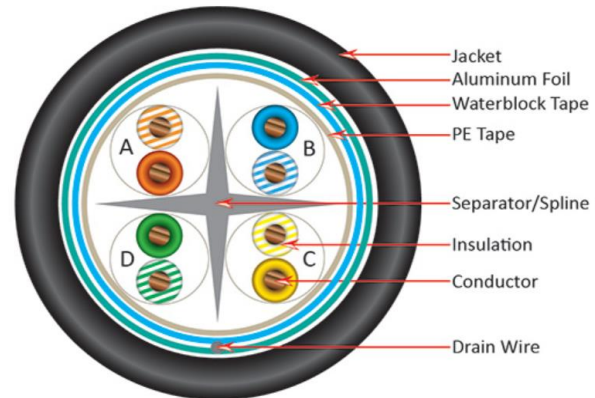
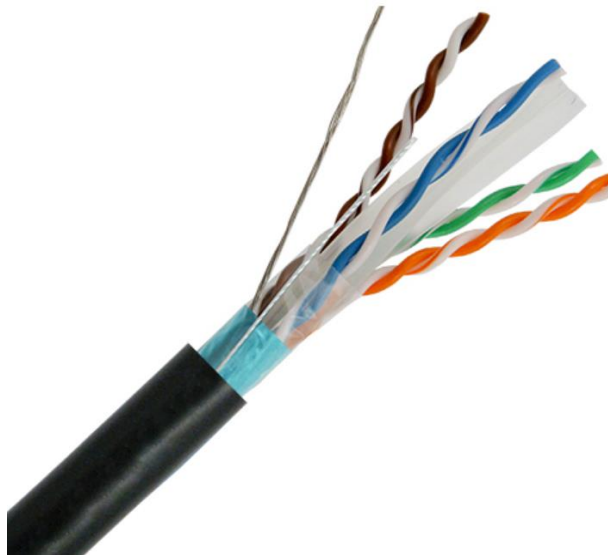


F/UTP CAT6 OUTDOOR CABLE



DESCRIPTION

CAT6 4Pair FTP 23AWG Solid Bare Copper
OUTDOOR PE Jacket 305M

FEATURES

- High-Performance Data Cable
- Easily Identified Color-Striped Pairs
- Support 1Gbps/10Gbps Speed
- Exceeds TIA/EIA-568C, ISO/IEC 11801
- CE ROHS Approval

APPLICATION

High Speed Horizontal Cabling
100 Mbps TPDDI , 1000 Base T, 622 Mbps ATM
IEEE802.3/IEEE802.5, 10 Base-T, 100 Base-T4
1000 Base-X , 100 Base-VG , Gigabit Ethernet

MODEL

No	Length	Color
163000	1000ft(305m)	Gray
163001	1000ft(305m)	White
163002	1000ft(305m)	Red
163003	1000ft(305m)	Orange
163004	1000ft(305m)	Yellow
163005	1000ft(305m)	Green
163006	1000ft(305m)	Blue

SPECIFICATION

Technical Data

Data Rate Support	1GBase-T/10GBase-T
Standard Bandwidth (MHz)	550Mhz
Reference Standard	EIA/TIA 568 & ISO/IEC 11801

Conductor

Material	Solid Bare Copper Bare Copper (100% Copper)
AWG	23AWG
Conductor Diameter	4 × 2 × 1/0.53mm

Insulation

AVG. Thickness	HDPE 0.21mm
Insulation Diameter	0.98 ± 0.01mm

High Twisted & Ripcord

Yes

Separator

PP

Shielded

Aluminum Foil + Drain Wire

PE Tape

PE Tape

Jacket

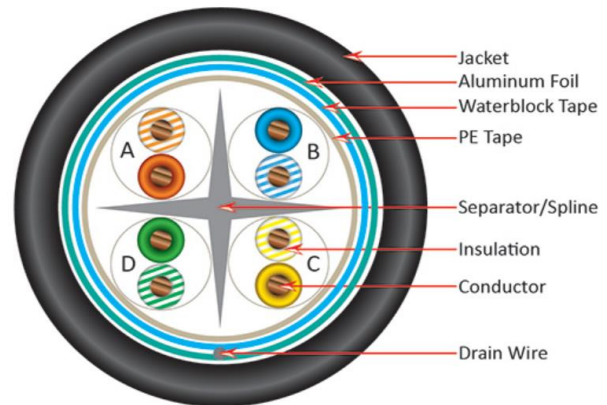
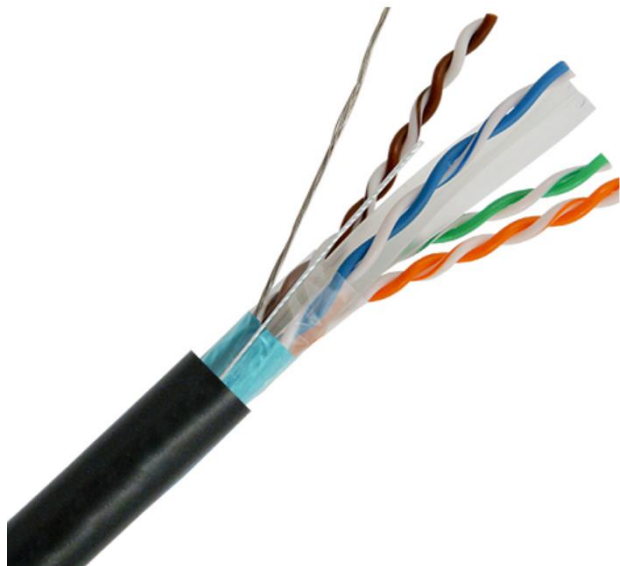
PE ROHS

AVG. Thickness	0.68 ± 0.01mm
Outer Diameter	6.80 ± 0.02mm
Color	Available
Marking	Available

Color of Pairs

Pair 1	Blue	White-Blue
Pair 2	Orange	White-Orange
Pair 3	Green	White-Green
Pair 4	Brown	White-Brown

F/UTP CAT6 OUTDOOR CABLE



PACKING

Inner Pack : Wooden Drum
Outer box : Brown Carton



PERFORMANCE

Mechanical Properties

PVC Tensile Strength(Mpa)	≥ 13.8
Bending Radius	$\geq 4 \times OD$ (without load)
Temperature range	during operation: $-40^{\circ}\text{C} \sim 75^{\circ}\text{C}$

Electrical Properties

Max. Con. DC resistance	95 ohms/km at 21 °C
1.0 - 250 MHz Delay Skew	≤ 45
Pair-to-ground Cap. Unbalance	≤ 330
Resistance Unbalance	$\leq 5\%$
Resistance Unbalance	$\leq 5\%$



Cable ID: CAT6 FTP-PE

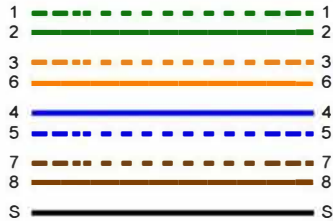
Test Summary: PASS

Date / Time: 03/27/2023 02:50:54pm
Headroom: 6.9 dB (NEXT 12-36)
Test Limit: TIA Cat 6 Channel
 Cable Type: Cat 6 F/UTP

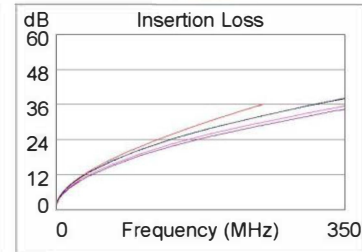
Operator: NEC FIELDING
 Software Version: 2.7800
 Limits Version: 1.9500
 NVP: 70.0%

Model: DTX-1800
 Main S/N: 9463009
 Remote S/N: 9463010
 Main Adapter: DTX-CHA001
 Remote Adapter: DTX-CHA001

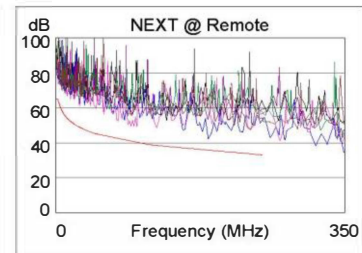
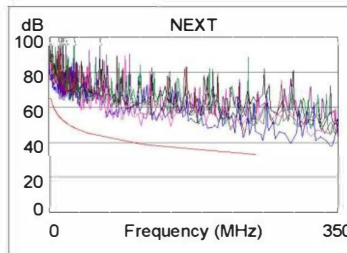
Wire Map (T568A)
PASS



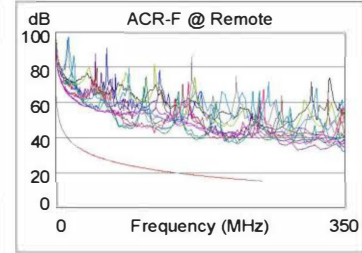
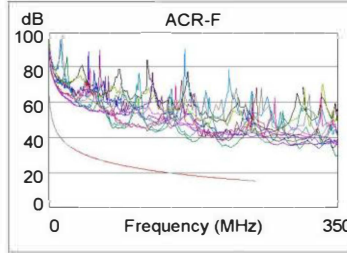
Length (ft), Limit 328	[Pair 78]	328
Prop. Delay (ns), Limit 555		512
Delay Skew (ns), Limit 50		35
Resistance (ohms)	[Pair 45]	17.3
Insertion Loss Margin (dB)	[Pair 12]	3.9
Frequency (MHz)	[Pair 12]	250.0
Limit (dB)	[Pair 12]	35.9



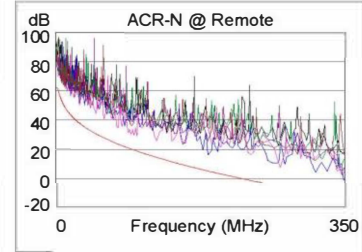
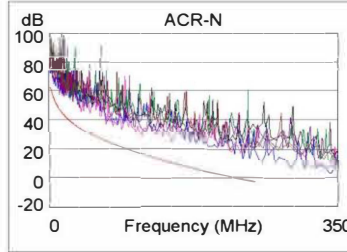
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	12-36	12-36	12-36	12-36
NEXT (dB)	8.7	6.9	9.3	6.9
Freq. (MHz)	5.1	185.0	235.5	185.0
Limit (dB)	61.3	35.4	33.6	35.4
Worst Pair	36	12	12	36
PS NEXT (dB)	8.6	9.2	11.5	9.6
Freq. (MHz)	5.1	3.3	235.5	185.0
Limit (dB)	58.8	62.0	30.6	32.4



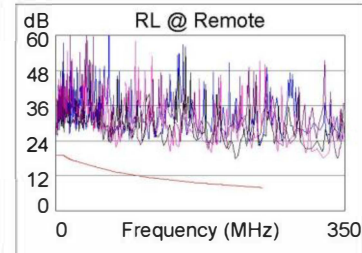
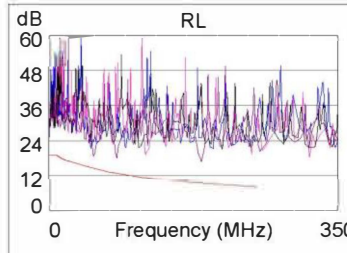
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	36-45	36-45	45-36
ACR-F (dB)	17.9	19.9	17.9	20.0
Freq. (MHz)	220.5	210.5	220.5	220.5
Limit (dB)	16.4	16.8	16.4	16.4
Worst Pair	45	36	45	36
PS ACR-F (dB)	20.2	18.7	20.2	18.7
Freq. (MHz)	220.5	210.5	220.5	210.5
Limit (dB)	13.4	13.8	13.4	13.8



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
N/A				
Worst Pair	12-36	12-45	12-36	12-45
ACR-N (dB)	9.1	9.2	15.9	17.0
Freq. (MHz)	5.1	92.0	243.5	234.5
Limit (dB)	56.8	20.2	-2.1	-1.0
Worst Pair	36	12	12	45
PS ACR-N (dB)	9.1	9.4	15.1	16.9
Freq. (MHz)	5.1	3.3	235.5	234.5
Limit (dB)	54.2	58.4	-4.1	-4.0



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	78	78	78	45
RL (dB)	4.0	6.9	7.1	9.2
Freq. (MHz)	54.3	3.5	186.0	218.0
Limit (dB)	14.7	19.0	9.3	8.6



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