

CAT5E OUTDOOR CABLE SHIELDED WITH DRAIN WIRE

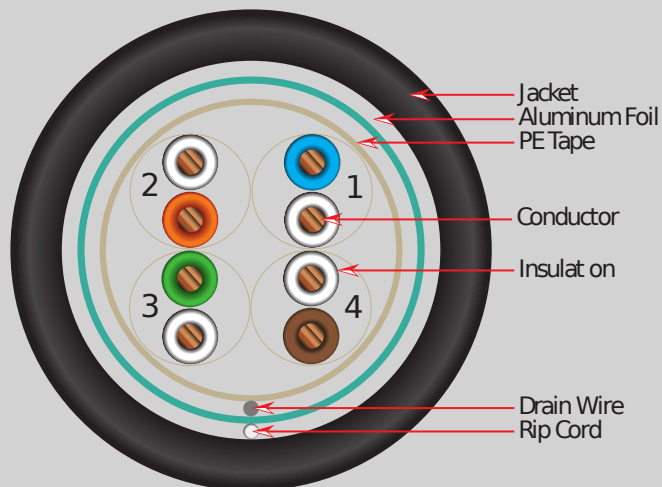


DESCRIPTION

Category-5E, FTP w/Drain Wire, 8-Conductor, Outdoor UV Rated Jacket, Solid-Bare Copper.

FEATURES

- Category-5E Shielded Twisted Pair
- High-Performance Data Cable
- UV Rated LLDPE Jacket
- Aluminum Foil protects from EMI/RFI
- PE Tape
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2
- ETL Listed, RoHS Compliant
- 1000ft Wooden Spool



Technical Data

Rated Temperature	-40~70 °C
Rated Voltage	30V
Conductor	Solid Bare Copper
Size	24 AWG
Insulation	PE
Average Thickness (mm)	0.228
Min. Point Thickness (mm)	0.220
Insulation Diameter (±0.005mm)	0.96
Twisted Pair Diameter (±0.01)	1.92
PE-Tape	Yes
Drain Wire (TC)(mm)	0.40
AL-Foil	Yes
PE-Tape	Yes
Assembly Diameter (mm)	4.80
Jacket (Black)	LLDPE
Average Thickness (mm)	0.70
Min. Point Thickness (mm)	0.63
Outer Diameter (±0.10mm)	6.30
Rip Cord	Yes (Nylon)
Color of Pairs	
Pair 1:Blue,White-Blue	Pair 2:Orange,White-Orange
Pair 3:Green,White-Green	Pair 4:Brown,White-Brown
Mechanical Characteristics	
Test Object	Jacket
Test Material	LLDPE
Before	Tensile Strength (Mpa) ≥10.6
Aging	Elongation (%) ≥300
Aging Condition (°Cxhrs)	100x168
After	Tensile Strength (Mpa) ≥85% of unaged
Aging	Elongation (%) ≥50% of unaged
Cold Bend (-20±2° Cx4hrs)	No Crack

Marking on Jacket

NHTD cETLus VERIFIED FTP 4PR 24AWG OUTDOOR UV
CAT5E 350MHz TIA/EIA - 568C.2 RoHS XXXFT
(SEQUENTIAL FOOT MARKERS ON JACKET)



Rev. 05/2015

Specs subject to change without notice.
It is the sole responsibility of the user to have the most current specs.

CAT5E OUTDOOR CABLE

SHIELDED WITH DRAIN WIRE

PERFORMANCE

Electrical Characteristics:

1.0-350.0MHz Impedance (Ohms)	100±15
1.0-350.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	95
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (Min dB)
1	20.0	2.0	68.3
4	23.0	4.1	59.3
8	24.5	5.8	54.8
10	25.0	6.5	53.3
16	25.0	8.2	50.3
20	25.0	9.3	48.8
25	24.3	10.4	47.3
31.25	23.6	11.7	45.9
62.5	21.5	17.0	41.4
100	20.1	22.0	33.8
200	18.0	32.4	35.5
300	16.8	41.0	31.2
350	16.3	44.9	30.1

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	PSELFEXT Min(db/100m)
1	62.3	63.8	60.8
4	53.3	51.7	48.7
8	48.8	45.7	42.7
10	47.3	43.8	40.8
16	44.3	39.7	36.7
20	42.8	37.7	34.8
25	41.3	35.8	32.8
31.25	39.9	33.9	30.9
62.5	35.4	27.8	24.8
100	32.3	23.8	21.0
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9