

CAT5E OUTDOOR CABLE

SFTP WITH 65% BRAID COVERAGE

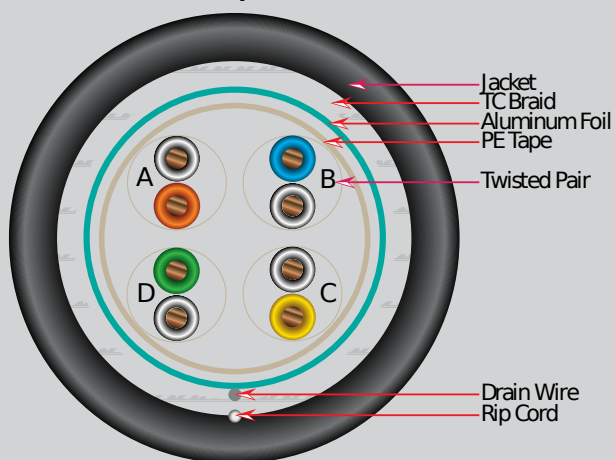


DESCRIPTION

Category-5E, SFTP w/Drain Wire, 65% TC Braid, Outdoor UV Rated Jacket, Solid-Bare Copper

FEATURES

- Category-5E Shielded Twisted Pair
- Can be used for Direct Burial or Cell Tower Applications
- High-Performance Data Cable
- UV Rated LLDPE Jacket
- Optimal for Gigabit Ethernet Networks
- Drain wire to prevent ESD
- Multi-Shield: Aluminum Foil and 65% Tinned Copper Braid to Protect from EMI/FRI (+PE Tape)
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2
- ETL Listed, RoHS Compliant
- 305M Wooden Spool



Technical Data

Rated Temperature	70 °C
Rated Voltage	30V
Conductor	Solid Bare Copper
Size	24 AWG
Insulation	PE
Average Thickness (mm)	0.220
Insulation Diameter (±0.005mm)	0.96
Twisted Pair Diameter (±0.01)	1.92
PE-Tape	Yes
AL-Foil	Yes
Drain Wire (TC)(mm)	0.40
Braiding (0.12TC)	65% Coverage
PE-Tape	Yes
Assembly Diameter (mm)	4.90
Jacket (Black)	LLDPE
Average Thickness (mm)	0.60
Outer Diameter (±0.10mm)	6.70
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 OUTDOOR SFTP CABLE 4PR 24AWG UV CAT.5E 350MHz
c(ETL)us VERIFIED CM TIA/EIA-568C.2 RoHS XXXM
(SEQUENTIAL METER MARKERS ON JACKET)

Jacket color available in
Black



Rev. 12/2015

Specs subject to change without notice.

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SFTP, WITH 65% BRAID COVERAGE

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	38.3
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

