

CAT5E DIRECT BURIAL F/UTP (WATERPROOF)

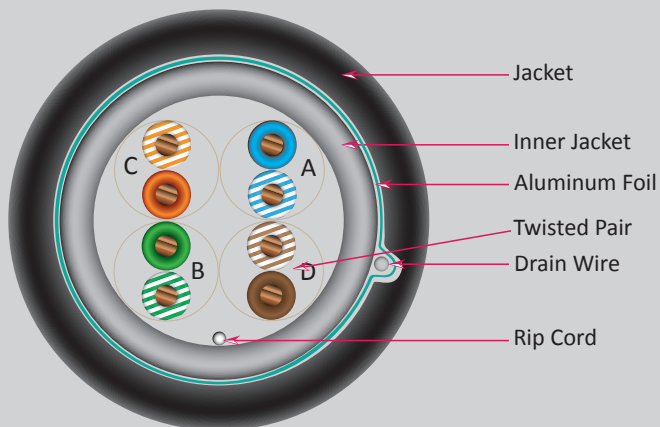


DESCRIPTION

Category-5E Direct Burial, F/UTP w/Drain Wire, 8-Conductor, Waterproof Outdoor Jacket, 24 AWG Solid Bare Copper

FEATURES

- High-Performance Data Cable
- 350MHz Bandwidth for Data Applications,
- Category-5E Overall Shielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- CAN/CSA-C22.2 No. 214
- Direct Burial (Waterproof)
- ETL Listed, RoHS Compliant
- 1000ft Wood Spool



SKU: 059-490/WS/CMXT

Technical Data

Rated Temperature	75 °C
Rated Voltage	60 V
Product Standard Certification	CMX
Application	Horizontal Wiring in LAN
Reference Standard	TIA/EIA 568, ISO/IEC 11801

Conductor

Size 24 AWG

Insulation

Average Thickness	0.008 in (0.200 mm)
Min. Point Thickness	0.007 in (0.185 mm)
Insulation Diameter	0.036 in (0.91 ±0.005 mm)
Twisted Pair Diameter	0.072 in (1.82 ±0.01 mm)

Assembly Diameter

0.15 in (3.80 mm)

Inner Jacket (Gray)

Average Thickness	0.016 in (0.40 mm)
Min. Point Thickness	0.014 in (0.36 mm)
Outer Diameter	0.19 in (4.80±0.10 mm)
AL Foil	Yes
Drain Wire (Tinned Copper)	7/0.16

Outer Jacket (Black)

Average Thickness	0.023 in (0.60 mm)
Min. Point Thickness	0.021 in (0.54 mm)
Outer Diameter	0.24 in (6.20±0.10 mm)
Rip Cord	Yes

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	LSZH (UV)
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation (%)	≥100
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

VERTICAL 4001453 cETLus VERIFIED CMX F/UTP 4PR 24AWG OUTDOOR DIRECT BURIAL (DRY) UV LSZH CAT5E 350MHz TIA/EIA - 568C.2 RoHS XXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)

VERTICAL CABLE

951.696.7772 California
 800.749.2447 Florida
 845.391.8318 New York



www.verticalcable.com

Rev. 02/2017

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

CAT5E DIRECT BURIAL F/UTP (WATERPROOF)

PERFORMANCE

Electrical Characteristics:

1.0-350MHz Impedance (Ohms)	100±15
1.0-350MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	88.5
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	33.8
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	34.7
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	20.8
200	27.8	17.7	14.7
300	25.2	14.2	11.2
350	24.2	12.9	9.9

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