

CAT5E DIRECT BURIAL UTP (WATERPROOF)

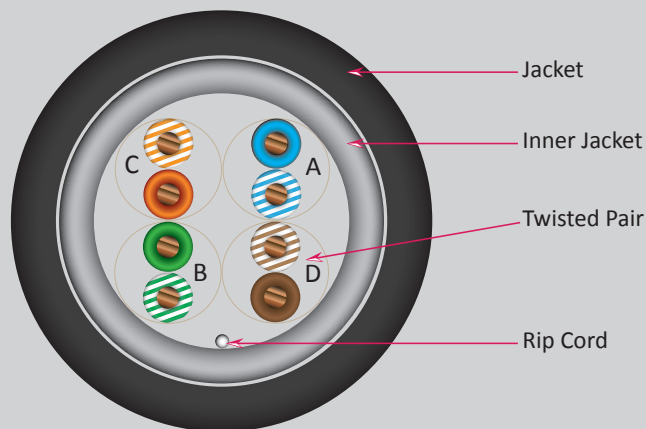


DESCRIPTION

Category-5E Solid UTP, 24AWG Direct Burial, Waterproof, 8-Conductor Solid-Bare Copper.

FEATURES

- High-Performance Data Cable
- Category-5E Unshielded Twisted Pair
- 24AWG Solid Copper Conductors
- Easily Identified Color-Striped Pairs
- 350MHz Bandwidth for Data Applications,
- Fast Ethernet and 155Mbps TP-PMD/CDDI
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- Direct Burial (Waterproof)
- ETL Listed, RoHS Compliant
- 1000ft Pull Box



SKU: 059-486/US/CMXT

Technical Data

Rated Temperature (°C)	-20~70
Rated Voltage (v)	60
Flammability Test	IEC-332-1

Conductor

Size **Solid Bare Copper**

24 AWG (0.51mm)

Insulation

Average Thickness (mm) 0.208

Insulation Diameter (±0.005mm) 0.91

Twisted Pair Diameter (±0.01) 1.92

Assembly Diameter

3.80

Inner Jacket (Gray)

PVC

Average Thickness (mm) 0.40

Min. Point Thickness (mm) 0.36

Outer Diameter (±0.10mm) 4.80

Outer Jacket (Black)

LSZH (UV)

Average Thickness (mm) 0.60

Min. Point Thickness (mm) 0.54

Outer Diameter (±0.10mm) 6.00

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 UTP 4PR 24 AWG
OUTDOOR DIRECT BURIAL (DRY) UV LSZH CAT5E 350MHz
TIA/EIA - 568C.2 RoHS XXXFT

Jacket color available in
Black

VERTICAL CABLE

800.749.2447 Florida

951.696.7772 California

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.

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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)	88.5
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (ns/100m)
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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