



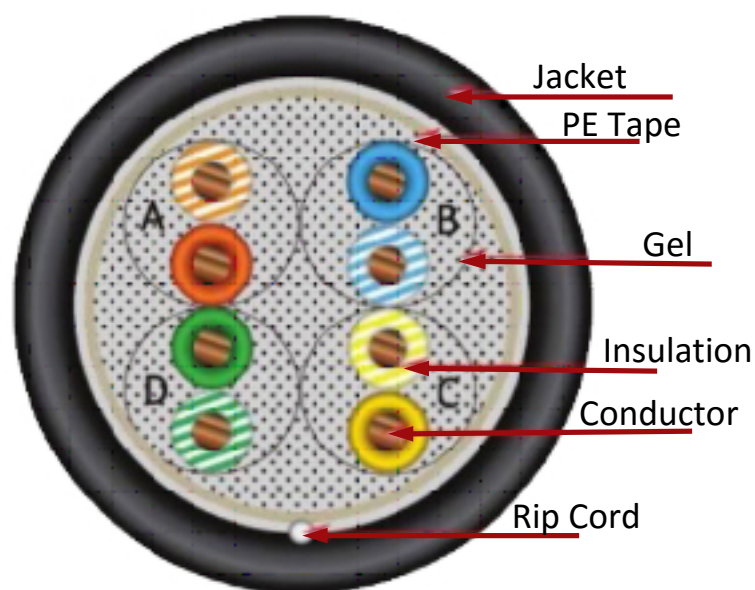
CAT5-ETLDBUV-1000

DESCRIPTION

Category-5E CMXF Direct burial. Flooded Core, 8 Conductor, Outdoor Jacket, AWG24 Solid-Bare Copper.

FEATURES

- High-Performance Data Cable
- 350MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Category-5E Unshielded 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 Gel Filled (Flooded Core)
- ETL Listed, 1000ft Pull Box, or Spool



Technical Data

Rated Temperature	-40-75 °C
Rated Voltage	30v
Product Standard Certification	CMX
Application	Horizontal Wiring in Lan
Reference Standard	TIA/EIA 568 & ISO/IEC 11801
Conductor	Solid Bare Copper
Size	24 AWG
Insulation	PE
Average Thickness (mm)	0.208
Min. Point Thickness (mm)	0.186
Insulation Diameter (±0.005mm)	0.91
Twisted Pair Diameter (±0.01)	1.92
Filler	Gel
Assembly Diameter (±0.2mm)	4.00
Jacket	LLDPE (UV)
Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.54
Outer Diameter (±0.10mm)	5.40
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	LLDPE
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 (-40±2° Cx4hrs)	No Crack

Marking on Jacket

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

Eastern Offices:

99 NW 11th ST

Boca Raton, FL 33432

Western Offices:

9500 W 49th Ave #D106

Wheat Ridge, CO 80033



CAT5-ETLDBUV-1000

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)	93.8
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	48.3
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
155	18.8	28.1	35.5
200	18.0	32.4	33.8
240	17.4	36.0	32.6
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	66.3	63.8	60.8
4	57.3	51.7	48.7
8	52.8	45.7	42.7
10	51.3	43.8	40.8
16	48.3	39.7	36.7
20	46.8	37.8	34.8
25	45.3	35.8	32.8
31.25	43.9	33.9	30.9
62.5	39.4	27.8	24.8
100	36.3	24.0	21.0
155	33.5	20.0	17.0
200	31.8	17.7	14.7
240	30.6	16.2	13.2
300	29.2	14.2	11.2
350	28.1	12.9	9.9

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