

CAT5E UTP OUTDOOR CABLE

CMX UV RATED with Messenger

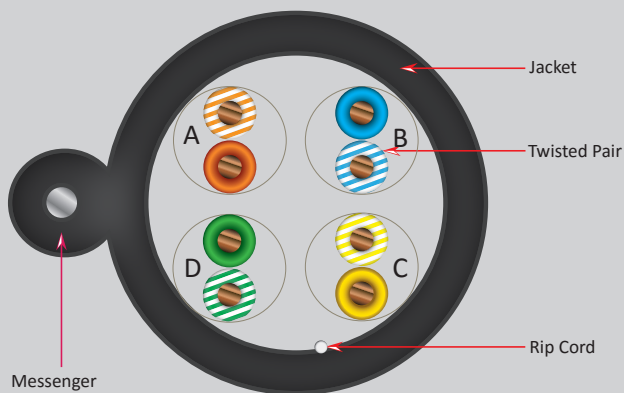


DESCRIPTION

CAT5E UTP, Outdoor-Rated Cable with Messenger, 24 AWG Solid-Bare Copper.

FEATURES

- Galvanized Steel Messenger for Support
- Outdoor- and UV-Resistant Jacket Material Easily Identified Color-Striped Pairs
- 24 AWG Solid Copper Conductors
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 Transmission Performance Specifications
- ETL-listed, RoHS Compliant
- 1000 ft Wooden Spool



SKU: 059-497/MESG

Technical Data

Rated Temperature	-40~70°C
Rated Voltage	60V
Flammability Test	IEC-332-1
Conductor	Solid Bare Copper
Size	24 AWG
Insulation	PE
Average Thickness	0.008 in (0.205 mm)
Insulation Diameter	0.036 in (0.91 ±0.005mm)
Twisted Pair Diameter	0.076 in (1.92 ±0.01 mm)
Assembly Diameter	0.15 in (3.80 mm)
Messenger	Galvanized Steel
Diameter (mm)	0.05 in (1.30 mm)
Jacket (Black)	LLDPE
Average Thickness	0.03x0.026 in (0.80x0.65 mm)
Outer Diameter	0.21x0.10 in (5.40x2.60 ±0.10mm)
Rip Cord	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 (-40±2° Cx4hrs)	No Crack

Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED CMX UTP 4PR 24AWG
OUTDOOR UV CAT5E 350MHz ANSI/TIA-568.2-D 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. 05/2020

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

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CMX UV RATED with Messenger

PERFORMANCE

Electrical Characteristics:

1.0-350MHz 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)	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	47.3
20	25.0	9.3	45.8
25	24.3	10.4	44.3
31.25	23.6	11.7	45.9
62.5	21.5	17.0	38.4
100	20.1	22.0	33.8
200	18.0	32.4	30.8
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	34.8
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

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