

CAT6 DIRECT BURIAL UTP (DUAL JACKET) WATERPROOF

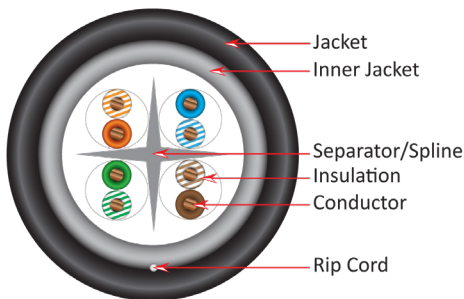


DESCRIPTION

CAT6 CMXT, Direct Burial, Unshielded, 23 AWG, 8-Conductor, Solid-Bare Copper, Black

FEATURES

- Fast Ethernet and 155Mbps TP-PMD/CDDI
- 23 AWG Solid Copper Conductors
- Easily Identified Color-Striped Pairs
- Outdoor- and UV-Resistant Jacket Material
- Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 Transmission Performance Specifications
- ETL Listed, RoHS Compliant
- 1000 ft Wooden Spool
- Weight: 37.5 lbs



069-557/US/CMXT

TECHNICAL DATA

Rated Temperature -40~+70 °C
Voltage Rating 60 V*

CONDUCTOR

Size Solid Bare Copper
Diameter 23 AWG
0.02 in. (0.57 mm)

INSULATION

Insulation Diameter PE
Average Thickness 0.04 in. (1.01 mm ±0.01)
Twisted Pair Diameter 0.009 in. (0.220 mm)
Insulation Rating 0.08 in. (2.02 mm ±0.02)
300 V*

SEPARATOR

ASSEMBLY DIAMETER

INNER JACKET

Outer Diameter LDPE
Average Thickness 0.2 in. (5.00 mm)
Min Thickness PVC
Rip Cord 0.23 in. (5.80 mm ±0.20)
Nylon
0.015 in. (0.40 mm)
0.014 in. (0.35 mm)

OUTER JACKET

Outer Diameter LLDPE
Average Thickness 0.3 in. (7.00 mm ±0.10)
Min Thickness 0.024 in. (0.60 mm)
Rip Cord 0.021 in. (0.54 mm)
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)	≥10.8
	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
	Bend radius	≥3.94 in. (≥100 mm)

* Conductors will handle up to PoE type 3 voltages 60 V, insulation material will handle up to 300 V.

MARKING ON JACKET

VERTICAL 4001453 cETLus VERIFIED UTP 4PR 23AWG OUTDOOR DIRECT BURIAL UV LLDPE CAT6 600MHz ANSI/TIA-568.2-D RoHS XXXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)

VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York
713.322.7242 Texas



verticalcable.com

Rev. 01/2025

Subject to change without notice.

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PERFORMANCE

Electrical Characteristics:

Impedance	1.0~250MHz 100±15Ω
Delay Skew	1.0~250MHz 45nS/100m Max
Pair-to-Ground Capacitance Unbalance	330(pF/100m)
Conductor Resistance	72.2Ω/Km/20°C Max
Mutual Capacitance	56 pF/M Max
DC Resistance Unbalance	5% Max

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next Min (dB)
1	20.0	2.1	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	5.9	59.3
16	25.0	7.5	56.2
20	25.0	8.4	54.8
25	24.3	9.4	53.3
31.25	23.6	10.5	51.9
62.5	21.5	15.0	47.4
100	20.1	19.1	44.3
200	18.0	27.6	39.8
250	17.3	31.1	38.3
300	16.8	34.3	37.1
400	15.9	40.1	35.3
500	15.2	45.3	33.8

Frequency (Mhz)	PSNext Min (dB)	ELFEXT Min(db/100m)	PSELFEXT Min(dB)	DELAY Max(ns/100m)
1	72.3	67.8	64.8	570.0
4	63.3	55.8	52.8	552.0
8	58.8	49.7	46.7	547.0
10	57.3	47.8	44.8	545.0
16	54.2	43.7	40.7	543.0
20	52.8	41.8	38.8	541.0
25	51.3	39.8	36.8	540.0
31.25	49.9	37.9	34.9	539.0
62.5	45.4	31.9	28.9	538.0
100	42.3	27.8	24.8	537.0
200	37.8	21.8	18.8	536.0
250	36.3	19.8	16.8	536.0
300	35.1	18.3	15.3	536.0
400	33.3	15.8	12.8	536.0
500	31.8	13.8	10.8	536.0

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