



VERTICAL CABLE

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 lb (17 kg)



CAT6 DIRECT BURIAL CABLE

UTP | DUAL JACKET | WATER-RESISTANT

23 AWG 8 CONDUCTOR (F/UTP)

069-557/US/CMXT

CONDUCTORS

Size: 23 AWG
Diameter: 0.02 in. (0.57 mm)

INSULATION

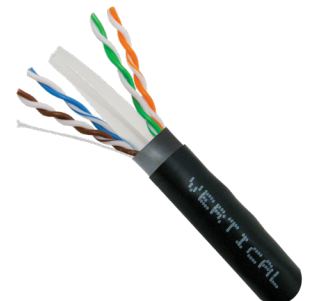
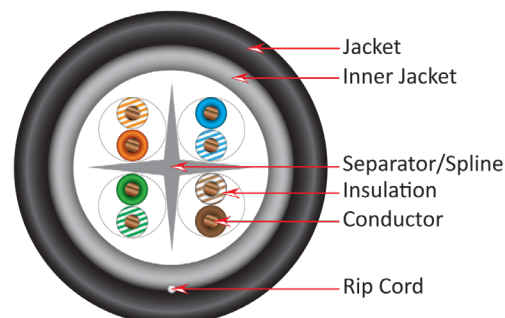
Material: PE
Insulation Diameter: 0.04 in. (1.01 mm $\pm$ 0.01)
Average Thickness: 0.009 in. (0.220 mm)
Twisted Pair Diameter: 0.08 in. (2.02 mm $\pm$ 0.02)
Separator: LDPE
Assembly Diameter: 0.2 in. (5.00 mm)
Color Coding: **Pair 1:** Blue/White-Blue **Pair 2:** Orange/White-Orange
Pair 3: Green/White-Green **Pair 4:** Brown/White-Brown

INNER JACKET

Material: Polyvinyl Chloride (PVC)
Outer Diameter: 0.23 in. (5.80 mm $\pm$ 0.20)
Average Thickness: 0.015 in. (0.40 mm)
Min Thickness: 0.014 in. (0.35 mm)
Rip Cord: Nylon

OUTER JACKET

Material: Linear Low Density Polyethylene (LLDPE)
Outdoor Diameter: 0.3 in. (7.00 mm $\pm$ 0.10)
Average Thickness: 0.024 in. (0.60 mm)
Min Thickness: 0.021 in. (0.54 mm)
Rip Cord: Nylon
Marking: 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)



Florida (HQ)
800-749-2447

California
951-696-7772

New York
845-391-8318

Texas
713-322-7242

verticalcable.com

This specification sheet is subject to change without notice.



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ELECTRICAL CHARACTERISTICS

Rated Temperature:	-40~+70 °C
Voltage Rating:	60 V _{RMS}
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

MECHANICAL

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)
Insulation Rating:	300 V*

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

Frequency (Mhz)	Return Loss (Min dB)	Attenuation (Max dB/100m)	Next (Min dB)	PSNEXT (Min dB)	ELFEXT (Min dB/100m)	PSELFEXT (Min dB)	Delay (Max ns/100m)
1	20.0	2.1	74.3	72.3	67.8	64.8	570.0
4	23.0	3.8	65.3	63.3	55.8	52.8	552.0
8	24.5	5.3	60.8	58.8	49.7	46.7	547.0
10	25.0	5.9	59.3	57.3	47.8	44.8	545.0
16	25.0	7.5	56.2	54.2	43.7	40.7	543.0
20	25.0	8.4	54.8	52.8	41.8	38.8	541.0
25	24.3	9.4	53.3	51.3	39.8	36.8	540.0
31.25	23.6	10.5	51.9	49.9	37.9	34.9	539.0
62.5	21.5	15.0	47.4	45.4	31.9	28.9	538.0
100	20.1	19.1	44.3	42.3	27.8	24.8	537.0
200	18.0	27.6	39.8	37.8	21.8	18.8	536.0
250	17.3	31.1	38.3	36.3	19.8	16.8	536.0
300	16.8	34.3	37.1	35.1	18.3	15.3	536.0
400	15.9	40.1	35.3	33.3	15.8	12.8	536.0
500	15.2	45.3	33.8	31.8	13.8	10.8	536.0

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RoHS



Intertek

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