



VERTICAL CABLE

# CAT6 DIRECT BURIAL CABLE

## UTP | DUAL JACKET | WATER-RESISTANT

### 23 AWG 4-PAIR

# 069-557/US/CMXT

## DESCRIPTION

**CAT6 600 MHz Direct-Burial Outdoor-Rated UTP Dual Jacket - Black, 1,000 ft**

## 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)



### CONDUCTORS

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

### INSULATION

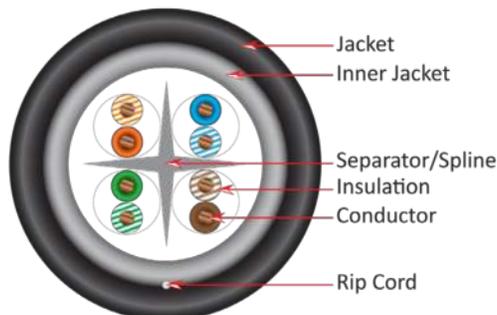
Material: PE  
Insulation Diameter: 0.04 in. (1.01 mm ±0.01)  
Average Thickness: 0.009 in. (0.220 mm)  
Twisted Pair Diameter: 0.08 in. (2.02 mm ±0.02)  
Separator: LDPE  
Assembly Diameter: 0.2 in. (5.00 mm)  
Color Coding: **Pair 1:** Blue/White-Blue **Pair 2:** Orange/White-Orange  
**Pair 3:** Green/White-Green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

### INNER JACKET

Material: Polyvinyl Chloride (PVC)  
Outer Diameter: 0.23 in. (5.80 mm ±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)  
Outer Diameter: 0.3 in. (7.00 mm ±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](http://verticalcable.com)

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Rev. 03/2026

## ELECTRICAL CHARACTERISTICS

Rated Temperature:	-40~+70 °C
Voltage Rating:	60 V <sub>RMS</sub>
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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