



DESCRIPTION

550 MHz CAT6, Outdoor UV resistant jacket,
Direct Burial / CMX / Unshielded, 4 Twisted Pairs
(UTP) 8 23-AWG Solid Bare Copper Conductors.

FEATURES

- Supports 10/100/1000BASE-T applications
- Supports PoE Type 4 (IEEE 802.3bt)
- Fast Ethernet and 155Mbps TP-PMD/CDDI
- Outdoor UV-resistant
- Direct Burial
- 550-MHz bandwidth supporting wide range of applications
- 23 AWG Solid Copper Conductors
- Easily identifiable pair insulation colors
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications
- CAN/CSA-C22.2 No. 214, RoHS compliant
- ETL listed



CAT6 DIRECT BURIAL CABLE

CMX / UV-RESISTANT

23 AWG 8 CONDUCTOR (UNSHIELDED)

069-559/CMX

TRANSMISSION PERFORMANCE

Meets or exceeds ANSI/TIA-568.2-D and ISO/IEC 11801 specifications

CONSTRUCTION

Pairs: 4
Conductors: 8
Rip Cord: Nylon
Separator Material: Polyvinyl Chloride (PVC)
Screen: Unscreened (UTP)

CONDUCTORS

Material: Solid Bare Annealed Copper
Size: 23 AWG

INSULATION

Diameter: 0.0397 in. (1.01 mm)
Average thickness: 0.0118 in. (0.30 mm)
Color coding: **Pair 1:** White-Blue/Blue **Pair 2:** White-Orange/Orange
Pair 3: White-Green/Green **Pair 4:** White-Brown/Brown

JACKET

Material: Linear Low Density Polyethylene (LLDPE)
Outdoor rating: UV-resistant
Outer diameter: 0.24 in. (6.10 mm)
Average thickness: 0.0236 in. (0.60 mm)
Min. point thickness: 0.0212 in. (0.54 mm)
Marking: VERTICAL 4001453 cETLus VERIFIED UTP 4PR
23AWG OUTDOOR DIRECT BURIAL UV LLDPE CAT6
550MHz CMX 75C ANSI/TIA-568.2-D RoHS XXXXFT

ELECTRICAL

Voltage rating: 60 V_{RMS}

MECHANICAL

Before Tensile Strength (Mpa): ≥13.8 MPa
Elongation After Aging (%): ≥100
Aging Conditions (°C × h): 100×168
Tensile Strength After Aging (Mpa): ≥85% of unaged
Elongation After Aging (%): ≥50% of unaged
Cold Bend (-40±2°C×4hrs): No Crack

SAFETY

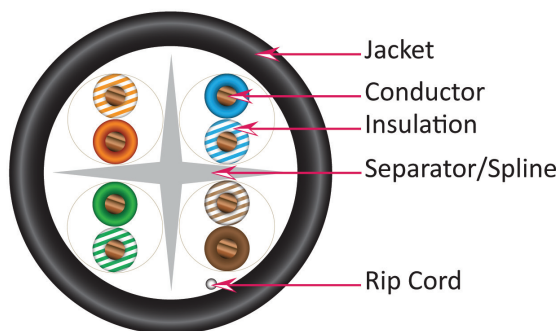
FPA 70 (NEC®) fire rating: CMX

ENVIRONMENTAL

Operating temperature: -40 °F–167 °F (-40 °C–75 °C)

WEIGHT

29.1 lb (13.2 kg)



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York
713.322.7242 Texas



verticalcable.com

Rev. 4/2024

Subject to change without notice.