

CAT6 DIRECT BURIAL CABLE

CMX / WATERPROOF / UV-RESISTANT

23 AWG 8 CONDUCTOR (UNSHIELDED)



DESCRIPTION

600 MHz CAT6, Waterproof Outdoor Dual Jacket, Direct Burial / CMX / Unshielded, 4 Twisted Pairs (UTP) 8 23-AWG Solid Bare Copper Conductors.

FEATURES

- Supports 10/100/1000BASE-T applications
- Fast Ethernet and 155Mbps TP-PMD/CDDI
- Outdoor UV-resistant / Waterproof jacket
- Direct Burial / Dual Jacket
- 600-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



069-557/US/CMXT

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: Low Density Polyethylene (LDPE)
 Screen: Unscreened (UTP)

CONDUCTORS

Material: Solid Bare Annealed Copper
 Size: 23 AWG

INSULATION

Diameter: 0.0440 in. (1.12 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

INNER JACKET (GRAY)

Material: Polyvinyl Chloride (PVC)
 Outer diameter: 0.23 in. (5.80 mm)
 Average thickness: 0.0157 in. (0.40 mm)
 Min. point thickness: 0.0137 in. (0.35 mm)

OUTER JACKET (BLACK)

Material: Linear Low Density Polyethylene (LLDPE)
 Outdoor rating: UV-resistant
 Outer diameter: 0.27 in. (7.00 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
 600MHz CMX 75C ANSI/TIA-568.2-D RoHS XXXXFT

ELECTRICAL

Voltage rating: 60 VRMS

MECHANICAL

Before Tensile Strength (Mpa): ≥ 10.8 MPa
 Elongation After Aging (%): ≥ 300
 Aging Conditions ($^{\circ}$ C x h): 100x168
 Tensile Strength After Aging (Mpa): $\geq 85\%$ of unaged
 Elongation After Aging (%): $\geq 50\%$ of unaged
 Cold Bend ($-40 \pm 2^{\circ}$ Cx4hrs): No Crack
 Minimum Bending Radius: ≥ 3.94 in. (≥ 100 mm)

SAFETY

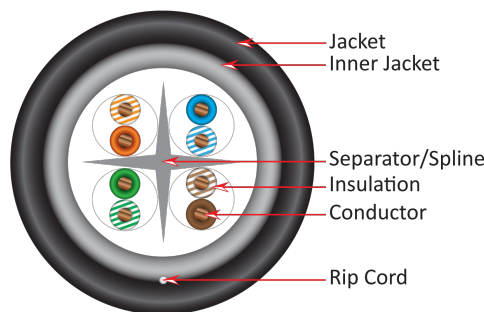
FPA 70 (NEC®) fire rating: CMX

ENVIRONMENTAL

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

WEIGHT

37.4 lb (17 kg)



VERTICAL CABLE

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verticalcable.com

Rev. 1/2024
 Subject to change without notice.