

CAT5E DIRECT BURIAL CABLE

CMX / GEL-FILLED / UV-RESISTANT

24 AWG 8 CONDUCTOR



DESCRIPTION

350 MHz CAT5E, CMX / Outdoor Jacket, Direct Burial / Gel-Filled, 4 Unshielded Twisted Pairs (UTP), 8 24-AWG Solid Bare Copper Conductors.

FEATURES

- Supports 10/100/1000BASE-T applications
- Outdoor UV-resistant jacket
- Direct Burial / Gel-Filled (Flooded Core)
- 350-MHz bandwidth supporting wide range of applications
- 24 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



059-485/CMXF

TRANSMISSION PERFORMANCE

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

CONSTRUCTION

Pairs: 4
Conductors: 8
Rip Cord: 1
Gel Filler: Flooded Core
Screen: Unscreened (UTP)

CONDUCTORS

Material: Solid Bare Annealed Copper
Size: 24 AWG

INSULATION

Material: PE
Diameter: 0.04 in. (0.91 mm)
Average thickness: 0.0078 in. (0.20 mm)
Min. point thickness: 0.0074 in. (0.19 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 (LLDP)
Outdoor rating: UV-resistant
Outer diameter: 0.20 in. (5.10 mm)
Average thickness: 0.0236 in. (0.60 mm)
Min. point thickness: 0.0212 in. (0.54 mm)
Marking: VERTICAL 4001453 cETLus VERIFIED CMX 4PR 24 AWG
OUTDOOR DIRECT BURIAL (FLOODED) UV LLDPE CAT5E
350MHz ANSI/TIA-568.2-D RoHS V1379P13526 XXXXFT

ELECTRICAL

Voltage rating: 60 V_{RMS}

MECHANICAL

Before Tensile Strength (Mpa): ≥13.8 MPa
Elongation After Aging (%): ≥100
Aging Conditions (° C × h): 100x168
Tensile Strength After Aging (Mpa): ≥85% of unaged
Elongation After Aging (%): ≥50% of unaged
Cold Bend (-40±2° Cx4hrs): No Crack

SAFETY

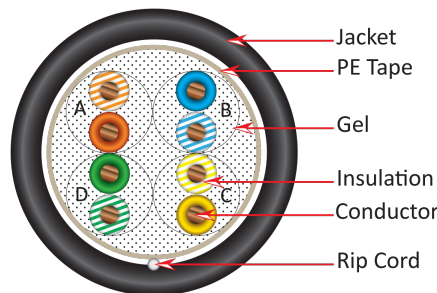
FPA 70 (NEC®) fire rating: CMX

ENVIRONMENTAL

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

WEIGHT

24.3 lb (11 kg)



VERTICAL CABLE

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verticalcable.com

Rev. 1/2024

Subject to change without notice.