

CAT5E DIRECT BURIAL CABLE

CMX / WATERPROOF / UV-RESISTANT

24 AWG 8 CONDUCTOR (F/UTP)



DESCRIPTION

350 MHz CAT5E, Waterproof Outdoor Dual Jacket, Direct Burial / CMX / Shielded, 4 Twisted Pairs (F/UTP) 8 24-AWG Solid Bare Copper Conductors.

FEATURES

- Supports 10/100/1000BASE-T applications
- Outdoor UV-resistant / Waterproof jacket
- Direct Burial / Shielded
- 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



059-493/CMXT2K

TRANSMISSION PERFORMANCE

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

CONSTRUCTION

Pairs: 4
 Conductors: 8
 Rip Cord: 1
 Drain Wire (Tinned Copper): 0.016 in. (0.40 mm)
 Screen: Foiled (F/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

INNER JACKET (GRAY)

Material: Polyvinyl Chloride (PVC)
 Outer diameter: 0.19 in. (4.80 mm)
 Average thickness: 0.0157 in. (0.40 mm)
 Min. point thickness: 0.0141 in. (0.36 mm)

OUTER JACKET (BLACK)

Material: Low Smoke Zero Halogen (LSZH)
 Outdoor rating: UV-resistant
 Outer diameter: 0.25 in. (6.40 mm)
 Average thickness: 0.0236 in. (0.60 mm)
 Min. point thickness: 0.0212 in. (0.54 mm)
 Marking: VERTICAL 4001453 cETLus VERIFIED CMX F/UTP 4PR 24AWG OUTDOOR DIRECT BURIAL UV LSZH CAT5E 350MHz 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): 100x168
 Tensile Strength After Aging (Mpa): ≥85% of unaged
 Elongation After Aging (%): ≥50% of unaged
 Cold Bend (-40±2° Cx4hrs): No Crack

SAFETY

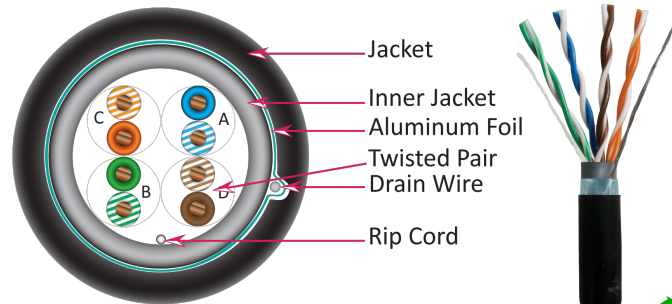
FPA 70 (NEC®) fire rating: CMX

ENVIRONMENTAL

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

WEIGHT

66 lb (30 kg)



VERTICAL CABLE

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verticalcable.com

Rev. 1/2024
 Subject to change without notice.