

CAT5E DIRECT BURIAL CABLE

CMX / GEL-FILLED / UV-RESISTANT

24 AWG 50 CONDUCTOR (UTP)



DESCRIPTION

350 MHz CAT5E, CMX / Outdoor Jacket,
Direct Burial / Gel-Filled, 25 Twisted Pairs (UTP),
50 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



059-488/CMXF25P

TRANSMISSION PERFORMANCE

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

CONSTRUCTION

Pairs: 25
Conductors: 50
Rip Cord: 1
PE Tape: 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: 0.0092 in (0.23 mm)
Min. point thickness: 0.0074 in. (0.19 mm)
Color coding: **Pair 1:** Blue-White **Pair 2:** Orange-White **Pair 3:** Green-White
Pair 4: Brown-White **Pair 5:** Gray-White **Pair 6:** Blue-Red **Pair 7:** Orange-Red
Pair 8: Green-Red **Pair 9:** Brown-Red **Pair 10:** Gray-Red **Pair 11:** Blue-Black
Pair 12: Orange-Black **Pair 13:** Green-Black **Pair 14:** Brown-Black **Pair 15:**
Gray-Black **Pair 16:** Blue-Yellow **Pair 17:** Orange-Yellow **Pair 18:** Green-Yellow
Pair 19: Brown-Yellow **Pair 20:** Gray-Yellow **Pair 21:** Blue-Violet **Pair 22:**
Orange-Violet **Pair 23:** Green-Violet **Pair 24:** Brown-Violet **Pair 25:** Gray-Violet

JACKET

Material: Linear Low-Density Polyethylene (LLDP)
Outdoor rating: UV-resistant
Outer diameter: 0.24 in. (6.15 mm)
Average thickness: 0.52 in. (13.2 mm)
Marking: VERTICAL 4001453 cETLus VERIFIED UTP 25PR 24 AWG
OUTDOOR DIRECT BURIAL (FLOODED) UV LLDPE CAT5E
350MHz ANSI/TIA-568.2-D RoHS XXXXFT

ELECTRICAL

Voltage rating: 60 VRMS

MECHANICAL

Before Tensile Strength (Mpa): ≥ 13.8 MPa
Elongation After Aging (%): ≥ 100
Aging Conditions ($^{\circ}$ C \times 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
Bend Radius: 7.09 in. (180 mm)

SAFETY

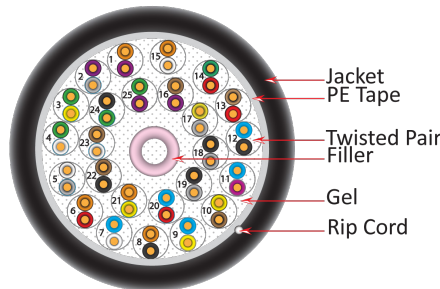
FPA 70 (NEC®) fire rating: CMX

ENVIRONMENTAL

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

WEIGHT

160 lb (72.6 kg)



VERTICAL CABLE

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Subject to change without notice.