



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



CAT5E DIRECT BURIAL CABLE

CMX / GEL-FILLED / UV-RESISTANT

24 AWG 50 CONDUCTOR (UTP)

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
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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
Bend Radius:	7.09 in. (180 mm)

SAFETY

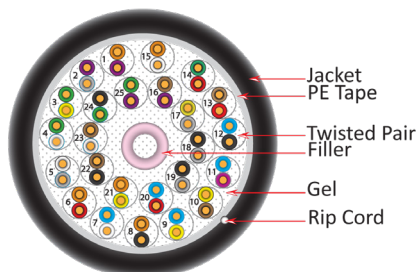
FPA 70 (NEC®) fire rating:	CMX
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ENVIRONMENTAL

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

160 lb (72.6 kg)



VERTICAL CABLE

951.696.7772 California
800.749.2447 Florida
845.391.8318 New York
713.322.7242 Texas



verticalcable.com

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Subject to change without notice.