

# CAT5E DIRECT BURIAL CABLE

## CMX / GEL-FILLED / UV-RESISTANT

### 24 AWG 8 CONDUCTOR (SHIELDED)



## DESCRIPTION

350 MHz CAT5E, CMX / Outdoor Jacket, Direct Burial / Gel-Filled, 4 Shielded Twisted Pairs (F/UTP), 8 24-AWG Solid Bare Copper Conductors. 1000 ft.

## 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



## 059-487/S/CMXF

### TRANSMISSION PERFORMANCE

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

### CONSTRUCTION

Pairs:	4
Conductors:	8
Rip Cord:	1
PE Tape:	1
Drain Wire (Tinned Copper):	0.016 in. (0.40 mm)
Gel Filler:	Flooded Core
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

### JACKET

Material:	Linear Low-Density Polyethylene (LLDP)
Outdoor rating:	UV-resistant
Outer diameter:	0.24 in. (6.15 mm)
Average thickness:	0.0236 in. (0.60 mm)
Min. point thickness:	0.0212 in. (0.54 mm)
Marking:	VERTICAL 4001453 cETLus VERIFIED STP 4PR 24 AWG OUTDOOR DIRECT BURIAL (FLOODED) UV LLDPE CAT5E 350MHz ANSI/TIA-568.2-D RoHS XXXXFT

### ELECTRICAL

Voltage rating:	60 V <sub>RMS</sub>
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### 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

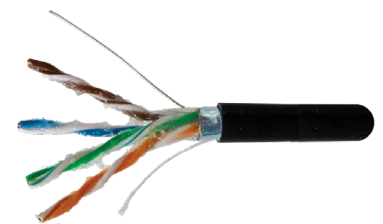
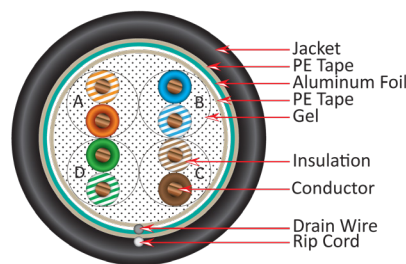
FPA 70 (NEC®) fire rating:	CMX
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### ENVIRONMENTAL

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

059-487/S/CMXF:	33.2 lb.
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## 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.