

# 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. 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



## 059-485/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<sub>RMS</sub>

### 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

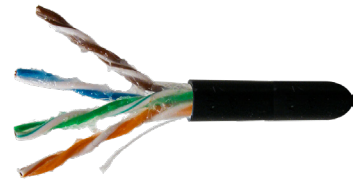
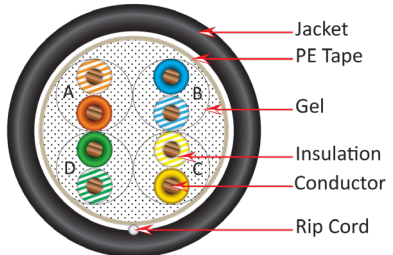
FPA 70 (NEC®) fire rating: CMX

### ENVIRONMENTAL

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

### PACKED WEIGHT

059-485/CMXF: 24.3 lb



**VERTICAL CABLE**  
951.696.7772 California  
800.749.2447 Florida  
845.391.8318 New York  
713.322.7242 Texas



verticalcable.com

Rev. 01/2025  
Subject to change without notice.