



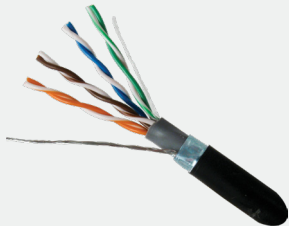
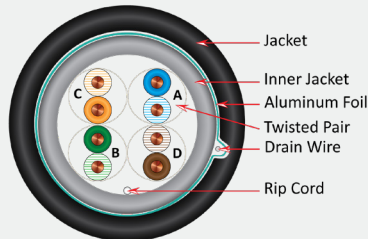
VERTICAL CABLE

## DESCRIPTION

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

## FEATURES

- Supports PoE ++ (Type 3)
- Supports 10/100/1000BASE-T applications
- Outdoor UV-Resistant jacket
- Direct Burial/Water-Resistant Dual Jacket
- 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
- Weight: 32.1 lb (14.6 kg)



# CAT5E DIRECT BURIAL CABLE

## CMX | WATER-RESISTANT | UV-RESISTANT

### 24 AWG 8 CONDUCTOR (SHIELDED)

# 059-486/CMXT

## 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 0.02 in. (0.51 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:    | 0.008 in. (0.20 mm)                                                                                        |
| Min. Point Thickness: | 0.007 in. (0.18 mm)                                                                                        |
| Color Coding:         | Pair 1: Blue/White-Blue Pair 2: Orange/White-Orange<br>Pair 3: Green/White-Green Pair 4: Brown/White-Brown |

## INNER JACKET (GREY)

|                       |                          |
|-----------------------|--------------------------|
| Material:             | Polyvinyl Chloride (PVC) |
| Outer Diameter:       | 0.19 in. (4.80 mm)       |
| Average Thickness:    | 0.015 in. (0.40 mm)      |
| Min. Point Thickness: | 0.014 in. (0.35 mm)      |

## OUTER JACKET (BLACK)

|                    |                                                                                                                                          |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Material:          | Low Smoke Zero Halogen (LSZH)                                                                                                            |
| Outdoor Rating:    | UV-Resistant                                                                                                                             |
| Outdoor Diameter:  | 0.24 in. (6.20 mm)                                                                                                                       |
| Average Thickness: | 0.024 in. (0.60 mm)                                                                                                                      |
| Min Thickness:     | 0.021 in. (0.54 mm)                                                                                                                      |
| Marking:           | VERTICAL 4001453 cETLus VERIFIED CMX F/UTP 4PR<br>24AWG OUTDOOR DIRECT BURIAL (DRY) UV LSZH<br>CAT5E 350MHz ANSI/TIA-568.2-D RoHS XXXXFT |

## ELECTRICAL

|                 |                     |
|-----------------|---------------------|
| Voltage Rating: | 60 V <sub>RMS</sub> |
|-----------------|---------------------|

## MECHANICAL

### BEFORE AGING

|                            |           |
|----------------------------|-----------|
| Tensile Strength (MPa):    | ≥13.8 MPa |
| Elongation (%):            | ≥100      |
| Aging Conditions (°C × h): | 100x168   |

### AFTER AGING

|                              |                |
|------------------------------|----------------|
| Tensile Strength (MPa):      | ≥85% of unaged |
| Elongation (%):              | ≥50% of unaged |
| Cold Bend (-40±2 °C x 4hrs): | No Crack       |

## SAFETY

FPA 70 (NEC®) Fire Rating: CMX

## ENVIRONMENTAL

|                        |                                  |
|------------------------|----------------------------------|
| Operating Temperature: | -40 °F - 167 °F (-40 °C - 75 °C) |
|------------------------|----------------------------------|

Florida (HQ)  
800-749-2447

California  
951-696-7772

New York  
845-391-8318

Texas  
713-322-7242

verticalcable.com

This specification sheet is subject to change without notice.



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