

# CAT6A DIRECT BURIAL CABLE

## CMX / UV-RESISTANT / WATERPROOF

### 23 AWG 8 CONDUCTOR (F/UTP)



**VERTICAL CABLE**  
Simply Connect.

## DESCRIPTION

550 MHz CAT6A, Outdoor UV Dual Jacket,  
CMX / Waterproof / Direct Burial, 4 Twisted Pairs  
(F/UTP) 8 23-AWG Solid Bare Copper Conductors.

## FEATURES

- Supports 10/100/1000BASE-T applications
- Ideal for 10G Networks up to 100 meters
- Fast Ethernet and 155Mbps TP-PMD/CDDI
- Outdoor UV-resistant dual jacket
- Waterproof / Direct Burial / Overall Shield
- 550 MHz bandwidth supporting wide range of applications
- 23 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



## 069-565/A/CMXT

### TRANSMISSION PERFORMANCE

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

### CONSTRUCTION

Pairs: 4  
Conductors: 8  
Drain Wire (Tinned Copper): 0.016 in. (0.40 mm)  
Separator Material: High Density Polyethylene (HDPE)  
Screen: Foiled (F/UTP)

### CONDUCTORS

Material: Solid Bare Annealed Copper  
Size: 23 AWG

### INSULATION

Material: Three pairs with HDPE / One pair with Foam PE  
Diameter: 0.0397 in. (1.01 mm)  
Average thickness: 0.0118 in. (0.30 mm)  
Color coding: **Pair 1:** White-Blue/Blue **Pair 2:** White-Orange/Orange  
**Pair 3:** White-Green/Green **Pair 4:** White-Brown/Brown

### INNER JACKET (GRAY)

Material: Polyvinyl Chloride (PVC)  
Outer diameter: 0.29 in. (7.30 mm)  
Average thickness: 0.0196 in. (0.50 mm)

### OUTER JACKET (BLACK)

Material: Linear Low Density Polyethylene (LLDPE)  
Outdoor rating: UV-resistant  
Outer diameter: 0.36 in. (9.20 mm)  
Average thickness: 0.0255 in. (0.65 mm)  
Marking: VERTICAL 4001453 cETLus VERIFIED CMX UTP 4PR  
23AWG OUTDOOR UV LLDPE 10GS AUGMENTED CAT6A  
ANSI/TIA-568.2-D RoHS XXXXFT

### ELECTRICAL

Voltage rating: 60 VRMS

### MECHANICAL

Before Tensile Strength (Mpa):  $\geq 14.8$  MPa  
Elongation After Aging (%):  $\geq 100$   
Aging Conditions ( $^{\circ}$  C x h): 100x240  
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  
Maximum Pulling Force: 100 N  
Minimum Bending Radius: 8XOD

### SAFETY

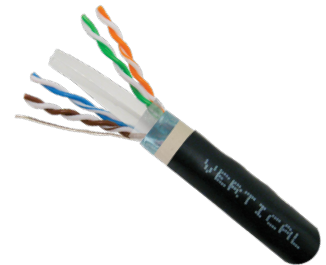
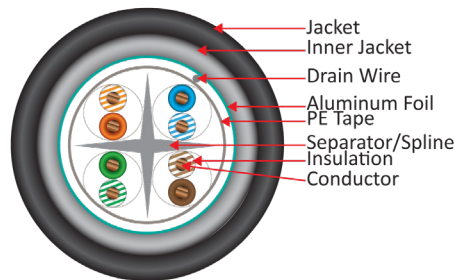
FPA 70 (NEC®) fire rating: CMX

### ENVIRONMENTAL

Operating temperature:  $-40^{\circ}$ F– $167^{\circ}$ F ( $-40^{\circ}$ C– $75^{\circ}$ C)

### WEIGHT

55 lb (25 kg)



**VERTICAL CABLE**

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713.322.7242 Texas



verticalcable.com

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Subject to change without notice.