

# CAT6 DIRECT BURIAL CABLE

## CMX / GEL-FILLED / UV-RESISTANT

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



## DESCRIPTION

550 MHz CAT6, Outdoor UV-resistant Overall Shield, Direct Burial / CMX / Gel-Filled, 4 Twisted Pairs (F/UTP) 8 23-AWG Solid Bare Copper Conductors.

## FEATURES

- Supports 10/100/1000BASE-T applications
- Fast Ethernet and 155Mbps TP-PMD/CDDI
- Outdoor UV-resistant
- Direct Burial / Gel-Filled (Flooded Core)
- 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



## 069-558/S/CMXF

### TRANSMISSION PERFORMANCE

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

### CONSTRUCTION

Pairs:	4
Conductors:	8
PE Tape:	2
Rip Cord:	Nylon
Gel Filler:	Flooded Core
Separator Material:	Low Density Polyethylene (LDPE)
Drain Wire (Tinned Copper):	0.016 in. (0.40 mm)
Screen:	Foiled (F/UTP)

### CONDUCTORS

Material:	Solid Bare Annealed Copper
Size:	23 AWG

### INSULATION

Diameter:	0.0430 in. (1.08 mm)
Average thickness:	0.0098 in. (0.25 mm)
Color coding:	Pair 1: White-Orange/Orange      Pair 2: White-Blue/Blue Pair 3: White-Brown/Brown      Pair 4: White-Green/Green

### JACKET

Material:	Linear Low Density Polyethylene (LLDPE)
Outdoor rating:	UV-resistant
Outer diameter:	0.32 in. (8.10 mm)
Average thickness:	0.0275 in. (0.70 mm)
Min. point thickness:	0.0248 in. (0.63 mm)
Marking:	VERTICAL 4001453 cETLus VERIFIED F/UTP 4PR 23AWG OUTDOOR DIRECT BURIAL (FLOODED) UV LLDPE CAT6 550MHz ANSI/TIA-568.2-D RoHS V1379P13254 XXXXFT

### ELECTRICAL

Voltage rating:	60 V <sub>RM</sub>
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### MECHANICAL

Before Tensile Strength (Mpa):	≥10.8 MPa
Elongation After Aging (%):	≥300
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

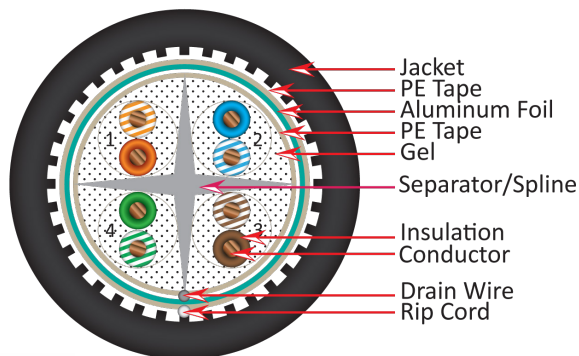
FPA 70 (NEC®) fire rating:	CMX
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### ENVIRONMENTAL

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

49 lb (22.2 kg)



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