

CAT6A DIRECT BURIAL CABLE

CMX / UV-RESISTANT / WATERPROOF

23 AWG 8 CONDUCTOR (F/UTP)



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 V_{RMS}

MECHANICAL

Before Tensile Strength (Mpa): ≥14.8 MPa
 Elongation After Aging (%): ≥100
 Aging Conditions (°C × h): 100×240
 Tensile Strength After Aging (Mpa): ≥85% of unaged
 Elongation After Aging (%): ≥50% of unaged
 Cold Bend (-40±2°C×4hrs): No Crack
 Maximum Pulling Force: 100 N
 Minimum Bending Radius: 8XOD

SAFETY

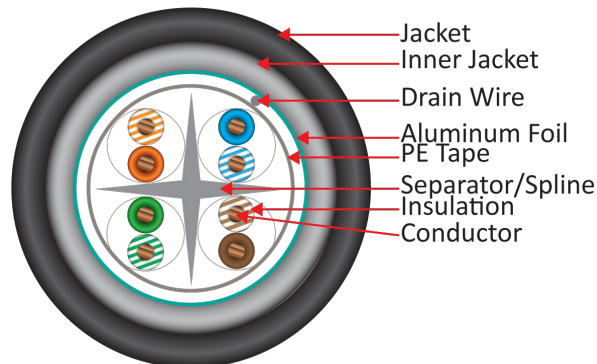
FPA 70 (NEC®) fire rating: CMX

ENVIRONMENTAL

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

WEIGHT

55 lb (25 kg)



VERTICAL CABLE

951.696.7772 California
 800.749.2447 Florida
 845.391.8318 New York



verticalcable.com

Rev. 1/2024
 Subject to change without notice.