

CAT5E OUTDOOR AERIAL CABLE CMX / UV-RESISTANT / MESSENGER 24 AWG 8 CONDUCTOR (UTP)

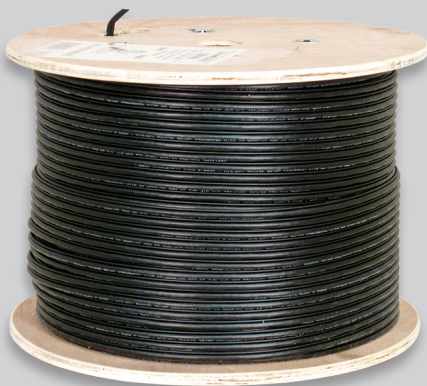


DESCRIPTION

350 MHz CAT5E Outdoor Aerial Cable, UV-Resistant Jacket / CMX / Messenger, 4 Twisted Pairs (UTP) 8 24-AWG Solid Bare Copper Conductors.

FEATURES

- Supports 10/100/1000BASE-T applications
- Outdoor UV-resistant
- Galvanized Steel Messenger for Support protects from EMI/RFI
- 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



059-497/MESG

TRANSMISSION PERFORMANCE

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

CONSTRUCTION

Pairs: 4
Conductors: 8
Rip Cord: 1
Screen: Unscreened (UTP)

CONDUCTORS

Material: Solid Bare Annealed Copper
Size: 24 AWG

INSULATION

Material: PE
Diameter: 0.04 in. (0.91 mm)
Average thickness: 0.0082 in. (0.21 mm)
Min. point thickness: 0.0078 in. (0.20 mm)
Color coding: **Pair 1:** White-Blue/Blue **Pair 2:** White-Orange/Orange
Pair 3: White-Green/Green **Pair 4:** White-Brown/Brown

MESSENGER

Material: Galvanized Steel
Diameter: 0.05 in. (1.30 mm)

JACKET

Material: Linear Low Density Polyethylene (LLDPE)
Outdoor rating: UV-resistant
Outer diameter: 0.28 in. (7.10 mm)
Average thickness: 0.0204 in. (0.52 mm)
Min. point thickness: 0.0192 in. (0.49 mm)
Marking: VERTICAL 4001453 cETLus VERIFIED CMX UTP 4PR 24AWG
OUTDOOR UV CAT5E 350MHz ANSI/TIA-568.2-D RoHS XXXXFT

ELECTRICAL

Voltage rating: 60 VRMS

MECHANICAL

Before Tensile Strength (Mpa): ≥ 10.6 MPa
Elongation After Aging (%): ≥ 300
Aging Conditions ($^{\circ}\text{C} \times \text{h}$): 100x168
Tensile Strength After Aging (Mpa): $\geq 85\%$ of unaged
Elongation After Aging (%): $\geq 50\%$ of unaged
Cold Bend ($-40 \pm 2^{\circ}\text{C} \times 4\text{hrs}$): No Crack

SAFETY

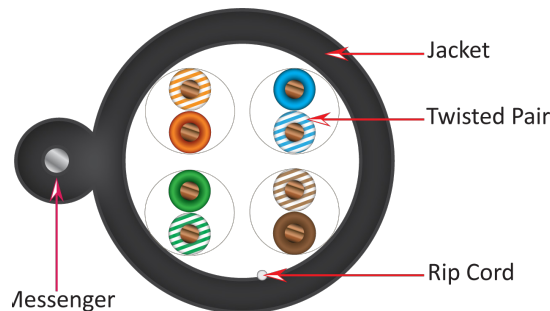
FPA 70 (NEC®) fire rating: CMX

ENVIRONMENTAL

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

WEIGHT

32 lb (14.5 kg)



VERTICAL CABLE

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verticalcable.com

Rev. 1/2024
Subject to change without notice.