

CAT6 OUTDOOR AERIAL CABLE CMX / WATERPROOF / MESSENGER 23 AWG 8 CONDUCTOR (UTP)



DESCRIPTION

550 MHz CAT6, Outdoor Aerial Unshielded, Direct Burial / CMX / Messenger, 4 Twisted Pairs (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 / Waterproof jacket
- Direct Burial / Aerial Applications
- Galvanized Steel Messenger
- 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



069-562/MESG

TRANSMISSION PERFORMANCE

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

CONSTRUCTION

Pairs:	4
Conductors:	8
Rip Cord:	Nylon
Drain Wire (Tinned Copper):	0.016 in. (0.40 mm)
Separator Material:	Linear Low Density Polyethylene (LLDPE)
Screen:	Unscreened (UTP)
Messenger Diameter:	0.05 in. (1.30 mm)

CONDUCTORS

Material:	Solid Bare Annealed Copper
Size:	23 AWG

INSULATION

Diameter:	0.0401 in. (1.02 mm)
Average thickness:	0.0088 in. (0.22 mm)
Color coding:	Pair 1: White-Blue/Blue Pair 2: White-Orange/Orange Pair 3: White-Green/Green Pair 4: White-Brown/Brown

JACKET

Material:	Linear Low Density Polyethylene (LLDPE)
Outdoor rating:	UV-resistant
Outer diameter:	0.25 in. x 0.10 in. (6.50 mm x 2.60 mm)
Average thickness:	0.03 in. x 0.025 in. (0.80 mm x 0.65 mm)
Marking:	VERTICAL 4001453 cETLus VERIFIED CMX UTP 4PR 23AWG OUTDOOR UV WITH MESSENGER CAT6 550MHz ANSI/TIA-568.2-D RoHS XXXXFT

ELECTRICAL

Voltage rating:	60 V _{RMS}
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MECHANICAL

Before Tensile Strength (Mpa):	≥10.6 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

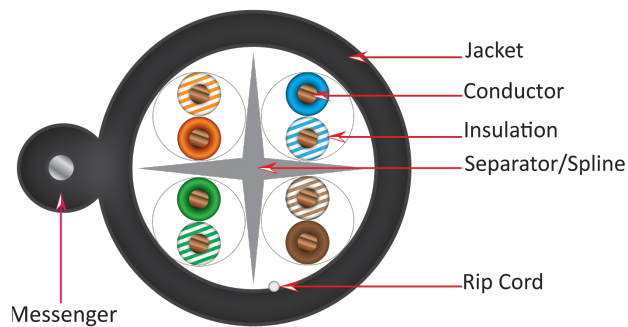
FPA 70 (NEC®) fire rating:	CMX
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ENVIRONMENTAL

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

40.7 lb (18.5 kg)



VERTICAL CABLE

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verticalcable.com

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Subject to change without notice.