



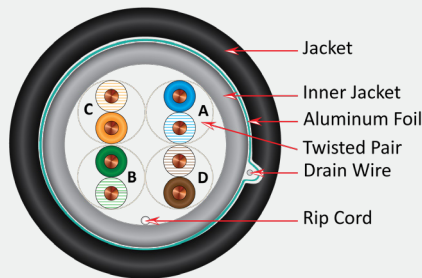
VERTICAL CABLE

DESCRIPTION

350 MHz CAT5E, Water-Resistant Outdoor Dual Jacket, Direct Burial/CMX/Shielded, 4 Twisted Pairs (F/UTP) 8 24-AWG Solid Bare Copper Conductors. 1000 ft.

FEATURES

- Supports PoE ++ (Type 3)
- Supports 10/100/1000BASE-T applications
- Outdoor UV-Resistant/Water-Resistant jacket
- Direct Burial/Shielded
- 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
- Weight: 34.5 lb (15.6 kg)



CAT5E DIRECT BURIAL CABLE

CMX | WATER-RESISTANT | UV-RESISTANT

24 AWG 8 CONDUCTOR (F/UTP)

059-490/WS/CMXT

TRANSMISSION PERFORMANCE

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

CONSTRUCTION

Pairs:	4
Conductors:	8
Rip Cord:	1
Drain Wire:	Tinned Copper 0.02 in. (0.51 mm)
Screen:	Foiled (F/UTP)

CONDUCTORS

Material:	Solid Bare Annealed Copper
Size:	24 AWG

INSULATION

Material:	PE
Diameter:	0.04 in (0.91 mm)
Average Thickness:	0.008 in. (0.20 mm)
Min. Point Thickness:	0.007 in. (0.18 mm)
Color Coding:	Pair 1: Blue/White-Blue Pair 2: Orange/White-Orange Pair 3: Green/White-Green Pair 4: Brown/White-Brown

INNER JACKET (GREY)

Material:	Polyvinyl Chloride (PVC)
Outer Diameter:	0.19 in. (4.80 mm)
Average Thickness:	0.015 in. (0.40 mm)
Min. Point Thickness:	0.014 in. (0.35 mm)

OUTER JACKET (BLACK)

Material:	Low Smoke Zero Halogen (LSZH)
Outdoor Rating:	UV-Resistant
Outdoor Diameter:	0.24 in. (6.20 mm)
Average Thickness:	0.024 in. (0.60 mm)
Min Thickness:	0.021 in. (0.54 mm)
Marking:	VERTICAL 4001453 cETLus VERIFIED CMX F/UTP 4PR 24AWG OUTDOOR DIRECT BURIAL UV LSZH CAT5E 350MHz ANSI/TIA-568.2-D RoHS XXXXFT

ELECTRICAL

Voltage Rating:	60 V _{RMS}
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MECHANICAL

BEFORE AGING

Tensile Strength (MPa):	≥13.8 MPa
Elongation After Aging (%):	≥100
Aging Conditions (°C × h):	100x168

AFTER AGING

Tensile Strength (MPa):	≥85% of unaged
Elongation After Aging (%):	≥50% of unaged
Cold Blend (-40±2° Cx4hrs):	No Crack

SAFETY

FPA 70 (NEC®) Fire Rating: CMX

ENVIRONMENTAL

Operating Temperature:	-40 °F -167 °F (-40 °C -75 °C)
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Florida (HQ)
800-749-2447

California
951-696-7772

New York
845-391-8318

Texas
713-322-7242

verticalcable.com

This specification sheet is subject to change without notice.



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