



VERTICAL CABLE

CAT5E DIRECT BURIAL CABLE

CMX | GEL-FILLED | UV-RESISTANT

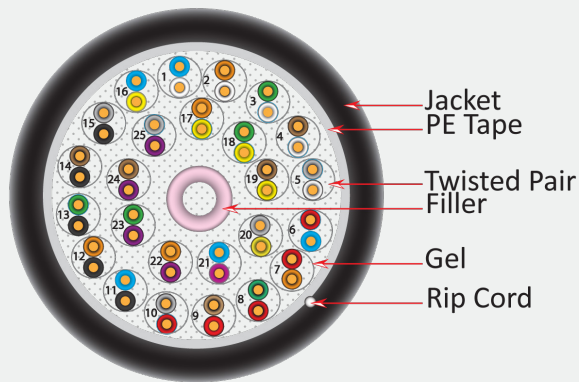
059-488/CMXF25P

DESCRIPTION

CAT5E PoE (Type 3) , 350 MHz, CMXF Direct Burial, Gel-Flooded Core, 50-Conductor, 24 AWG Solid Bare Copper, Black, 1000 ft.

FEATURES

- 25-Pair Unshielded Twisted Pair (UTP) Construction
- Supports PoE 802.3af, 802.3at, 802.3bt (Type 3)
- 24 AWG Bare Copper Conductors
- Easy-to-See Vivid-Color Conductor Insulation
- Exceeds ANSI/TIA-568.2-D and ISO/IEC 11801
- Gel-Flooded Core
- Direct Burial Construction
- ETL-listed, RoHS-Compliant
- 1000 ft. Wooden Spool
- Weight: 160 lbs. (72.6 kg)



TRANSMISSION PERFORMANCE

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

CONSTRUCTION

Pairs:	25
Conductors:	50
Rip Cord:	1
PE Tape:	1
Gel Filler:	Flooded Core
Screen:	Unscreened (UTP)

CONDUCTORS

Solid Bare Annealed Copper

Size: 24 AWG

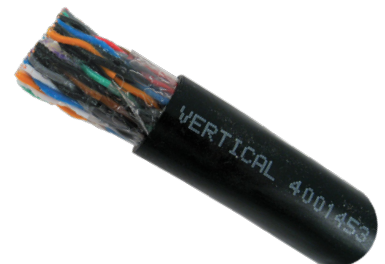
INSULATION

Diameter:	0.04 in. (0.91 mm)
Average thickness:	0.0092 in. (0.23 mm)
Min. point thickness:	0.0074 in. (0.19 mm)
Color Coding:	

Pair 1: Blue-White Pair 2: Orange-White Pair 3: Green-White Pair 4: Brown-White Pair 5: Gray-White Pair 6: Blue-Red Pair 7: Orange-Red Pair 8: Green-Red Pair 9: Brown-Red Pair 10: Gray-Red Pair 11: Blue-Black Pair 12: Orange-Black Pair 13: Green-Black Pair 14: Brown-Black Pair 15: Gray-Black Pair 16: Blue-Yellow Pair 17: Orange-Yellow Pair 18: Green-Yellow Pair 19: Brown-Yellow Pair 20: Gray-Yellow Pair 21: Blue-Violet Pair 22: Orange-Violet Pair 23: Green-Violet Pair 24: Brown-Violet Pair 25: Gray-Violet

JACKET

Jacket:	PVC
Outdoor Rating:	UV-resistant
Outer Diameter:	0.24 in. (6.15 mm)
Average Thickness:	0.52 in. (13.2 mm)
Marking:	VERTICAL 4001453 cETLus VERIFIED UTP 25PR 24 AWG OUTDOOR DIRECT BURIAL (FLOODED) UV LLDPE CAT5E 350MHz ANSI/TIA-568.2-D RoHS XXXXFT



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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ELECTRICAL CHARACTERISTICS

Voltage Rating: 60 V_{RMS}

MECHANICAL

BEFORE AGING

Tensile Strength (MPa): ≥ 13.8 MPa

Aging Elongation (%): ≥ 100

Aging Condition (°C x hrs): 100x168

AFTER AGING

Tensile Strength (MPa): $\geq 85\%$ of unaged

Aging Elongation (%): $\geq 50\%$ of unaged

Cold Bend (-20 \pm 2° C x 4hrs): No Crack

Bend Radius: 7.09 in. (180 mm)

SAFETY

FPA 70 (NEC®) fire rating: CMX

ENVIRONMENTAL

Operating Temperature: -40 °F - 167 °F (-40 °C - 75 °C)

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