

CAT5E DIRECT BURIAL GEL FILLED (FLOODED CORE)

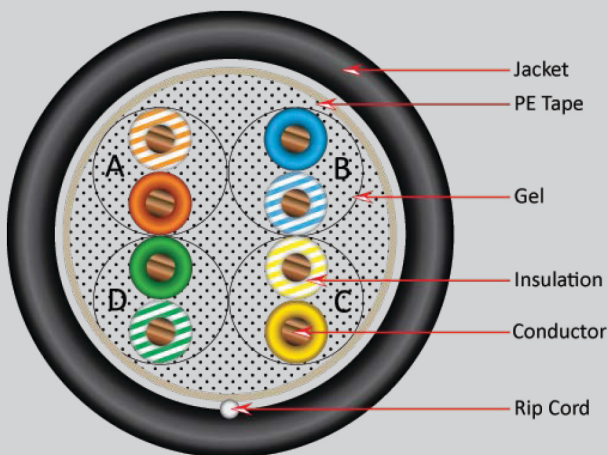


DESCRIPTION

Category-5E CMXF Direct Burial, Flooded Core, 8-Conductor, Outdoor Jacket, AWG24 Solid-Bare Copper.

FEATURES

- High-Performance Data Cable
- 350MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Category-5E Unshielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 24AWG Solid Copper Conductors
- Exceeds TIA/EIA-568C.2, ISO/IEC 11801
- CAN/CSA -C22.2 No. 214
- Direct Burial Gel Filled (Flooded Core)
- ETL Listed, 1000ft Pull Box, or Spool



SKU: 059-485/CMXF

Technical Data

Rated Temperature	-40~75 °C
Rated Voltage	30v
Product Standard Certification	CMX
Application	Horizontal Wiring in LAN
Reference Standard	TIA/EIA 568 & ISO/IEC 11801

Conductor

Size **Solid Bare Copper**

Insulation

PE
Average Thickness (mm) 0.208
Min. Point Thickness (mm) 0.186
Insulation Diameter (± 0.005 mm) 0.91
Twisted Pair Diameter (± 0.01) 1.92

Filler

Assembly Dia. (± 0.2 mm)

Jacket

Gel
4.00
LLDPE (UV)
Average Thickness (mm) 0.60
Min. Point Thickness (mm) 0.54
Outer Diameter (± 0.10 mm) 5.40
Rip Cord Yes

Color of Pairs

Pair 1: Blue, White-Blue
Pair 2: Orange, White-Orange
Pair 3: Green, White-Green
Pair 4: Brown, White-Brown

Mechanical Characteristics

Test Object	Jacket
Test Material	LLDPE
Before Tensile Strength (Mpa)	≥ 13.8
Aging Elongation (%)	≥ 100
Aging Condition ($^{\circ}\text{C} \times \text{hrs}$)	100 $\times$ 168
After Tensile Strength (Mpa)	$\geq 85\%$ of unaged
Aging Elongation (%)	$\geq 50\%$ of unaged
Cold Bend ($-40 \pm 2^{\circ}\text{C} \times 4\text{hrs}$)	No Crack

Marking on Jacket

VERTICAL 4001453 cETLus VERIFIED UTP 4PR 24AWG OUTDOOR DIRECT BURIAL (FLOODED) UV LLDPE CAT5E 350MHz TIA/EIA - 568C.2 RoHS XXFT (SEQUENTIAL FOOT MARKERS ON JACKET)

Jacket color available in Black

MADE IN CHINA

VERTICAL CABLE

951.696.7772 California

954.454.3554 Florida

845.391.8318 New York



www.verticalcable.com

Rev. 05/2015

Specs subject to change without notice.
It is the sole responsibility of the user to have the most current specs.

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PERFORMANCE

Electrical Characteristics:

1.0-350MHz Impedance (Ohms)	100±15
1.0-350.0MHz Delay Skew (ns/100m)	≤45
Pair-to-Ground Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	≤5

Frequency (Mhz)	Return Loss (Min dB)	Attenuation Max (dB/100m)	Next (Min dB)
1	20.0	2.0	68.3
4	23.0	4.1	59.3
8	24.5	5.8	54.8
10	25.0	6.5	53.3
16	25.0	8.2	50.3
20	25.0	9.3	48.8
25	24.3	10.4	47.3
31.25	23.6	11.7	45.9
62.5	21.5	17.0	41.4
100	20.1	22.0	38.3
155	18.8	28.1	35.5
200	18.0	32.4	33.8
240	17.4	36.0	32.6
300	16.8	41.0	31.2
350	16.3	44.9	30.1

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(dB/100m)	PSELFEXT Min(dB/100m)
1	66.3	63.8	60.8
4	57.3	51.7	48.7
8	52.8	45.7	42.7
10	51.3	43.8	40.8
16	48.3	39.7	36.7
20	46.8	37.8	34.8
25	45.3	35.8	32.8
31.25	43.9	33.9	30.9
62.5	39.4	27.8	24.8
100	36.3	24.0	21.0
155	33.5	20.0	17.0
200	31.8	17.7	14.7
240	30.6	16.2	13.2
300	29.2	14.2	11.2
350	28.1	12.9	9.9

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