

CAT5E DIRECT BURIAL STP GEL FILLED (FLOODED CORE)

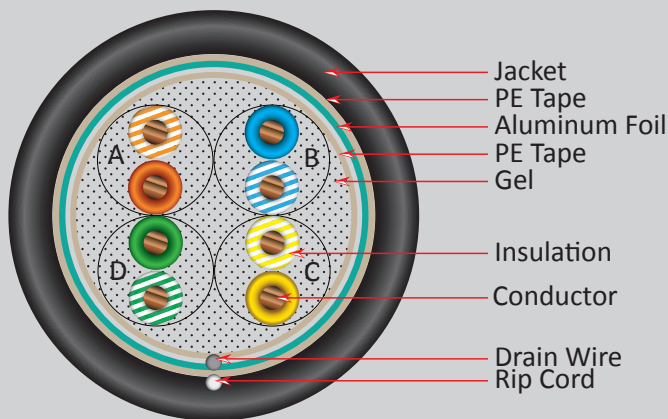


DESCRIPTION

CAT5E F/UTP, CMX Direct Burial, Flooded Core, 8-Conductor, Outdoor Jacket, 24 AWG Solid-Bare Copper.

FEATURES

- High-Performance Data Cable
- 350MHz Bandwidth for Data Applications, Fast Ethernet and 155Mbps TP-PMD/CDDI
- Category-5E Shielded Twisted Pair
- Easily Identified Color-Striped Pairs
- 24 AWG 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, RoHS Compliant
- 1000 ft Wooden Spool



Weight: 34 lb (wooden spool)

SKU: 059-487/S/CMXF

Technical Data

Rated Temperature	-40~70 °C
Rated Voltage	60v
Product Standard Certification	CMX
Conductor	Solid Bare Copper
Size	24 AWG
Insulation	PE
Average Thickness (mm)	0.228
Min. Point Thickness (mm)	0.220
Insulation Diameter (±0.005mm)	0.97
Twisted Pair Diameter (±0.01)	1.94
Filler	Gel
PE Film	Yes
Drain Wire (Solid Tinned Copper) (mm)	0.40
Al-foil	Yes
PE Film	Yes
Assembly Dia. (mm)	4.80
Jacket (Black)	LLDPE (UV)
Average Thickness (mm)	0.60
Min. Point Thickness (mm)	0.54
Outer Diameter (±0.10mm)	6.15
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 (°Cxhrs)	100x168
After Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend (-40±2° Cx4hrs)	No Crack

Marking on Jacket

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

Jacket color available in
Black

VERTICAL CABLE

800.749.2447 Florida
951.696.7772 California
845.391.8318 New York



www.verticalcable.com

Rev. 10/2021

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

CAT5E DIRECT BURIAL STP GEL FILLED (FLOODED CORE)

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)	95
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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