

CAT5E DIRECT BURIAL SHIELDED (WATERPROOF)

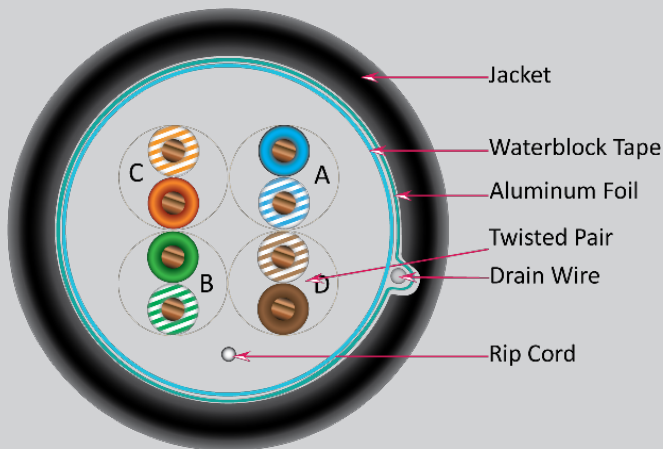


DESCRIPTION

Category-5E Direct Burial, Water Block Tape, Shielded w/Drain Wire, 24AWG Solid Copper.

FEATURES

- Category-5E with Overall Shield
- High-Performance Data Cable
- 350MHz Bandwidth for Data Applications
- 24AWG Solid Copper Conductors
- Exceeds ANSI/TIA-568C.2, ISO/IEC 11801
- ETL Listed, RoHS Compliant
- 1,000ft Wooden Spool



SKU: 059-502/DT/CMXT

Technical Data

Rated Temperature

-40 ~ 85 °C

Rated Voltage

60v

Conductor

Solid Bare Copper

Size

24 AWG

Insulation

HDPE-Polyethylene

Average Thickness

0.24 mm

Insulation Diameter (±0.05mm)

0.95 mm

PE Tape

Yes

Waterblock Tape

Yes

Al-Foil

Yes (100% coverage)

Drain Wire

0.51mm Solid TC

Jacket

Outer Diameter (±0.3mm)

LLDPE (UV Rated)

Rip Cord

6.30 mm

Color

Yes

Black

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)

≥14.8

Aging Elongation (%)

≥100

Aging Condition (°Cxhrs)

100x240

After Tensile Strength (Mpa)

≥85% of unaged

Aging Elongation (%)

≥50% of unaged

Cold Bend (-40±2° Cx4hrs)

No Crack

Bend radius

>100mm

Marking on Jacket

VERTICAL 4009208 c(ETL)us VERIFIED CMX STP 4PR 24AWG
OUTDOOR DIRECT BURIAL UV LLDPE CAT5E 350MHZ ANSI/EIA
568C.2 ROHS XXXFT (SEQUENTIAL FOOT MARKERS ON JACKET)

VERTICAL CABLE

951.696.7772 California

800.749.2447 Florida

845.391.8318 New York



www.verticalcable.com

Rev. 01/2018

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:

Conductor D.C. Resistance	≤ 9.5 (Ω/100m)
Unbalance of Pair DC Resistance	≤ 2.5
Dielectric Strength between pairs	≤ 1.0 kV/min
Insulation Resistance	≥5000 MΩ-km
Capacitance	≤5.6 nF/100m
Unbalance of Capacitance	≤330 pF/100m
Characteristics Impedance	100±15 Ohms (1-100MHz) 100±25 Ohms (100-200MHz) 100±35 Ohms (200-350MHz)

Frequency (MHz)	RL (dB)	SRL (dB)	ATTEN (dB/100m)	NEXT (dB/100m)
1	20.00	28.00	2.03	65.30
4	23.01	28.00	4.03	56.27
8	24.52	28.00	5.73	51.75
10	25.00	28.00	6.43	50.30
16	25.00	28.00	8.19	47.24
20	25.00	25.00	9.20	45.78
25	24.32	27.03	10.33	44.33
31.25	23.64	26.06	11.62	42.88
62.5	21.54	23.05	16.79	38.36
100	20.11	21.01	21.65	35.30
155	18.80	19.10	27.20	32.50
200	18.00	18.00	32.40	30.80
250	17.30	17.00	21.65	29.30
300	16.80	16.20	41.00	28.10
350	16.30	15.60	44.90	27.10

Frequency (MHz)	PSNEXT (dB/100m)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
1	62.30	64.00	61.00	570
4	53.27	51.96	48.96	552
8	48.75	45.94	42.94	547
10	47.30	44.00	41.00	545
16	44.24	39.92	36.92	543
20	42.78	37.98	34.98	542
25	41.33	36.04	33.04	541
31.25	39.88	34.10	31.10	540
62.5	35.36	28.08	25.08	539
100	32.30	24.00	21.00	538
155	29.50	20.20	17.20	537
200	27.80	18.00	15.00	537
250	26.30	16.00	13.00	536
300	25.10	14.50	11.50	536
350	24.10	13.10	10.10	536

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