



**Category 5E UV Outdoor Direct Burial SF/UTP
24 AWG 4 Pair 8 Solid Bare Copper Conductors, AL
Foil with TC Braid Shielding, LDPE Jacket 1000FT**

Applications

- 10/100/1000Base-T
- 100Base-VG
- 155 Mbps and 622-Mbps ATM
- NTSC/PAL Component or Composite Video
- AES/EBU Digital Audio
- Other high-performance applications
 - Noisy Environments
 - Harsh Environments
 - Direct Burial
 - Industrial Ethernet

Compliance

- ISO/IEC 11801
- TIA/EIA-568-C.2 Category 5e
- RoHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC

Physical Characteristics

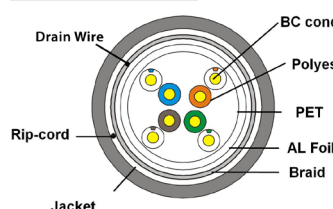
- Conductor Size: 24AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: High Density Polyethylene (HDPE)
- Insulation Diameter: $1.00 \pm 0.03\text{mm}$
- Number of Conductors: 8 Conductors
- Number of Pairs: 4 Pairs
- Outer Shield Material: Aluminum Foil
- Braid Shielding: Tinned Copper 0.10mm
- Drain Wire: Yes
- Outer Jacket Material: LDPE (Complies RoHS)
- Outer Jacket Diameter: $6.8\text{mm} \pm 0.5\text{mm}$
- Outer Jacket Rip Cord: Yes

CAT5E 350MHz Outdoor Solid Direct Burial Shielded Bulk Cable

CAT5E



Technical Diagram



Available Jacket Colors

Black Item# C5CMXD-4706BK

Cable Features

- Tested up to 350MHz.
- Meets or exceeds CAT5E TIA568C.2 standards.
- Cable is marked in descending order so you always know how much cable is left.
- Extra headroom provides room for growth.
- Low attenuation and power-sum crosstalk.

Construction Facts

- This Direct Burial Outdoor Cable has high density polyethylene insulation.
- AL Foil with TC Braid shielding is used to help eliminate interference in noisy environments.
- Longitudinal Rip Cord for easy jacket opening.

Cable Put-Ups:

- Cable is supplied in 1000ft increments on a wooden spool.

CAT5E 350MHz Direct Burial Solid Bulk Cable Electrical Specifications

Frequency MHz (Maximum)	ATT dB/100 m (328 ft.) (Maximum)	Delay ns/100 m (328 ft.) (Maximum)	PS-ACR dB/100 m (328 ft.) (Minimum)	NEXT dB/100 m (328 ft.) (Minimum)	PS-NEXT dB/100 m (328 ft.) (Minimum)	ELFEXT dB/100 m (328 ft.) (Minimum)	PS-ELFEXT dB/100 m (328 ft.) (Minimum)	Return Loss dB (Minimum)
1	3.3	570.00	N/A	65.3	62.3	64.0	61.0	20.0
4	6.4	552.00	N/A	56.3	53.3	52.0	49.0	23.0
8	8.7	546.73	N/A	51.8	48.8	45.9	42.9	24.5
10	9.6	545.38	N/A	50.3	47.3	44.0	41.0	25.0
16	12.3	543.00	N/A	47.2	44.4	39.9	36.9	25.0
20	13.6	542.05	N/A	45.8	42.8	38.0	35.0	25.0
25	15.2	541.20	N/A	44.3	41.3	35.8	33.0	24.3
31.25	17.1	540.44	N/A	42.9	39.9	34.1	31.1	23.6
62.50	24.8	538.55	N/A	38.4	35.4	28.1	25.1	21.5
100	32.0	537.60	N/A	35.3	32.3	24.0	21.0	20.1
250	52.44	536.30	N/A	29.0	26.0	16.0	13.0	15.6
350	63.13	535.90	N/A	27.1	24.1	13.1	10.1	14.3

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CAT5E 350MHz Outdoor Solid Direct Burial Shielded Bulk Cable

Pair Color Code Chart

- Pair 1 ----- White/Blue Stripe & Blue
- Pair 2 ----- White/Orange Stripe & Orange
- Pair 3 ----- White/Green Stripe & Green
- Pair 4 ----- White/Brown Stripe & Brown

Mechanical Characteristics

- Storage Temperature Range: -30~+60
- Installation Temperature Range: -40~+60
- Operating Temperature Range: -40~+60
- Bulk Cable Weight: 34lbs. / 1000FT
- Max. Recommended Pulling Tension: 75lbs.
- Min. Bend Radius/Minor Axis: 1.320 in.
- Min. Bend/Installation: N/A
- Test Object: Jacket
- Test Material: PVC
- Before Tensile Strength: ≥ 10.0
 - Aging Elongation: ≥ 350
 - Aging Condition: 100°C x 24hrs x 10Days
- After Tensile Strength: N/A
 - Aging Elongation: ≥ 300
 - Cold Bend: No Visible Cracks (-40°C \pm 2°C x 4h)

Electrical Characteristics

- Nominal Mutual Capacitance: N/A
- Nominal Velocity of Propagation: N/A
- Maximum Delay: 538 @ 100MHz (ns/100m)
- Maximum Delay Skew: ≤ 45 (ns/100m)
- Maximum Conductor DC Resistance: 5.0 (@ 20°C OHm/100m)
- Maximum Operating Voltage - UL: 300V RMS
- Maximum DCR Unbalanced: 9.5 (@ 20°C)
- Attenuation (Maximum)
 - 32.0dB/100m (328.1ft.) @ 100MHz
 - 63.13dB/100m (328.1ft.) @ 350MHz
- 1.0 - 100MHz Impedance: $100\Omega \pm 15\%$
- NEXT (Minimum)
 - 35.3dB/100m (328.1ft.) @ 100MHz
 - 27.1dB/100m (328.1ft.) @ 350MHz
- PS-NEXT (Minimum)
 - 32.3dB/100m (328.1ft.) @ 100MHz
 - 24.1dB/100m (328.1ft.) @ 350MHz
- Return Loss (Minimum)
 - 20.1dB/100m (328.1ft.) @ 100MHz
 - 14.3dB/100m (328.1ft.) @ 350MHz

Jacket Printing

PRIMUS CABLE CAT5E SF/UTP 4PR 24AWG 350MHZ UV
OUTDOOR PE ETL VERIFIED TO TIA/EIA-568B.2 ZONE A B C D E F
/ DEVICE 1 2 3 4 5 6 7 8 9 #####FT

Sequential foot markers on jacket.

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