



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

Applications

- 10/100/1000Base-T
- 100Base-VG
- 155 Mbps and 622-Mbps ATM
- Other high-performance applications
 - Outside Plant
 - Direct Burial
 - Aerial

Compliance

- ISO/IEC 11801
- TIA/EIA-568-C.2 Category 5e
- ANSI/ICEA S-90-661 Category 5e
- NEMA WC63.1 Category 5e
- RoHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC

Physical Characteristics

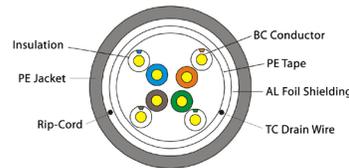
- Conductor Size: 24AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: High Density Polyethylene (HDPE)
- Insulation Diameter: 1.00 ± 0.03mm
- Number of Conductors: 8 Conductors
- Number of Pairs: 4 Pairs
- Outer Shield Material: Aluminum Foil
- Drain Wire: Tinned Copper 0.45mm
- Outer Jacket Material: LDPE (Complies RoHS)
- Outer Jacket Diameter: 6.2mm ± 0.4mm
- Outer Jacket Rip Cord: Yes

**CAT5E 350MHz Outdoor
Solid Direct Burial Shielded Bulk Cable**

CAT5E



Technical Diagram



Available Jacket Colors

- Black Item# C5CMXE-5364BK

Cable Features

- Tested 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 DB Outdoor Cable has high density polyethylene insulation.
- AL foil Shielding is used to help eliminate any 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) | ACR dB/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 | N/A | N/A | 65.3 | 62.3 | 64.0 | 61.0 | 20.0 |
| 4 | 6.4 | N/A | N/A | 56.3 | 53.3 | 52.0 | 49.0 | 23.0 |
| 8 | 8.7 | N/A | N/A | 51.8 | 48.8 | 45.9 | 42.9 | 24.5 |
| 10 | 9.6 | N/A | N/A | 50.3 | 47.3 | 44.0 | 41.0 | 25.0 |
| 16 | 12.3 | N/A | N/A | 47.2 | 44.4 | 39.9 | 36.9 | 25.0 |
| 20 | 13.6 | N/A | N/A | 45.8 | 42.8 | 38.0 | 35.0 | 25.0 |
| 25 | 15.2 | N/A | N/A | 44.3 | 41.3 | 35.8 | 33.0 | 24.3 |
| 31.25 | 17.1 | N/A | N/A | 42.9 | 39.9 | 34.1 | 31.1 | 23.6 |
| 62.50 | 24.8 | N/A | N/A | 38.4 | 35.4 | 28.1 | 25.1 | 21.5 |
| 100 | 32.0 | N/A | N/A | 35.3 | 32.3 | 24.0 | 21.0 | 20.1 |
| 250 | 52.44 | N/A | N/A | 29.0 | 26.0 | 16.0 | 13.0 | 15.6 |
| 350 | 63.13 | N/A | 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: N/A / 1000FT
- Max. Recommended Pulling Tension: N/A
- Min. Bend Radius/Minor Axis: N/A
- 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

- Nom. Mutual Capacitance: N/A
- Nominal Velocity of Propagation: N/A
- Maximum Delay: 537.60 @ 100MHz (ns/100m)
- Maximum Delay Skew: ≤ 45 (ns/100m)
- Maximum Conductor DC Resistance: 9.5 (@ 20°C OHm/100m)
- Maximum Operating Voltage - UL: 300V RMS
- Maximum DCR Unbalanced: 5% (@ 20°C)
- Attenuation (Maximum)
 - 32.0dB/100m (328.1ft.) @ 100MHz
 - 63.13dB/100m (328.1ft.) @ 350MHz
- 1.0 - 100MHz Impedance: 100 Ω \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 FTP 4PR 24 AWG 350MHZ UV OUTDOOR
DIRECT BURIAL TIA/EIA-568-C.2 ZONE A B C D E F / DEVICE 1 2 3
4 5 6 7 8 9 (VID:018) XXXXFT

Sequential foot markers on jacket.

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