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C A B L E S

cables & connectors since 1995

Our 10G CAT6A Shielded Cable is the perfect fit for reliable installations where the cable will be used indoors. This cable includes 8 SOLID COPPER conductors (4-Pairs), HDPE insulation, over all foil shielding (F/UTP), a TC drain wire and a RoHS Compliant CMR PVC jacket. (UL Listed)

Applications

- 10/100/1000Base-T / 100Base-VG
- 155 Mbps and 622-Mpbs ATM
- Other high-performance applications
 - Backbone
 - Floor-to-floor backbone
 - Horizontal cabling to desktop

Compliance

- ISO/IEC 11801
- TIA/EIA-568-C.2 Category 6A
- ANSI/ICEA S-90-661 (Category 6A)
- UL Listed
- RoHS Compliance for the Requirement of European Union Issued Directive 2002/95/EC

Physical Characteristics

- Conductor Size: 23AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: High Density Polyethylene
- Insulation Diameter: $1.12 \pm 0.05\text{mm}$
- Number of Conductors: 8 Conductors
- Number of Pairs: 4 Pairs
- Outer Shield Material: Mylar + Aluminum Foil/Mylar
- Drain Wire: TC
- Outer Jacket Material: CMR PVC (Complies RoHS)
- Outer Jacket Diameter: $7.4\text{mm} \pm 0.5\text{mm}$
- Outer Jacket Rip Cord: Yes

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: $-30 \sim +60$
- Installation Temperature Range: $-40 \sim +60$
- Operating Temperature Range: $-40 \sim +60$
- Bulk Cable Weight: 44lbs. / 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: ≥ 13.5
 - Aging Elongation: ≥ 150
 - Aging Condition: $100^\circ\text{C} \times 24 \text{ hrs} \times 7 \text{ Days}$
- After Tensile Strength: ≥ 12.5
 - Aging Elongation: ≥ 125
 - Cold Bend: No Visible Cracks ($-20^\circ \pm 2^\circ \times 4 \text{ h}$)

Jacket Printing

PRIMUS CABLE FTP 4PR 23 AWG CAT6 10G LSZH
ETL VERIFIED TO TIA/EIA-568-B.2-10 3P ZONE A B C
D E F / DEVICE 1 2 3 4 5 6 7 8 9 (VID : 017) #####FT

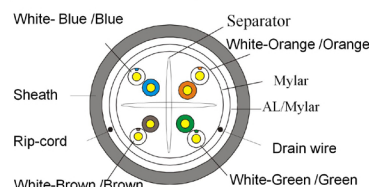
Sequential foot markers on jacket.

CAT6A 10 Gig Solid Shielded Bulk Cable

CAT6A



Technical Diagram



Cable Features

- Tested to 600MHz.
- Meets or exceeds CAT6A T568C.2 standards.
- Easy to use wooden spool.
- 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

- The PVC Cable has high density polyethylene insulation.
- AL Shielding is used to help eliminate any interference.
- Longitudinal rip cord for easy jacket opening.

Cable Put-Ups:

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

Electrical Characteristics

- Unbalanced to Ground Capacitance Max: 330
- Nominal Velocity of Propagation: N/A
- Maximum Delay: 535.3 @ 600MHz (ns/100m)
- Maximum Delay Skew: ≤ 45 (ns/100m)
- Maximum Conductor DC Resistance: 9.38 (@ 20°C OHm/100m)
- Maximum Operating Voltage - UL: 300V RMS
- Maximum DCR Unbalanced: 5% (@ 20°C)
- Attenuation (Maximum)
 - 20.0dB/100m (328.1ft.) @ 100MHz
 - 50.1dB/100m (328.1ft.) @ 600MHz
- 1.0 - 100MHz Impedance: $100\Omega \pm 15\%$
- NEXT (Minimum)
 - 74.3dB/100m (328.1ft.) @ 100MHz
 - 32.6dB/100m (328.1ft.) @ 600MHz
- PS-NEXT (Minimum)
 - 72.3dB/100m (328.1ft.) @ 100MHz
 - 30.6dB/100m (328.1ft.) @ 600MHz
- Return Loss (Minimum)
 - 20.0dB/100m (328.1ft.) @ 100MHz
 - 14.7dB/100m (328.1ft.) @ 600MHz