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CAT 6A 10 Gig Solid Unshielded Bulk Cable

CAT6A



Category 6A UTP Unshielded 1000' 8 Conductor, Bulk Cable, PVC Jacket, 23AWG Solid-Bare Copper, Pull Box (UL). Our bulk cable is marked in descending order so you always know how much cable is left.

Applications

- 10/100/1000Base-T
- 100Base-VG
- Suitable For Category 6 Augmented High Speed Data Applications
- 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: 1.02 ± 0.03mm
- Number Of Conductors: 8 Conductors
- Number Of Pairs: 4 Pairs
- Outer Shield Material: N/A
- Drain Wire: N/A
- Outer Jacket Material: PVC (Complies RoHS)
- Outer Jacket Diameter: 7.1mm ± 0.4mm
- 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~+60
- Installation Temperature Range: -30~+60
- Operating Temperature Range: -30~+60
- Bulk Cable Weight: 39 lbs. / 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°C x 24hrs x 7Days
- After Tensile Strength: ≥12.5
 - Aging Elongation: ≥125%
 - Cold Bend: No Visible Cracks (-20°±2°x4h)

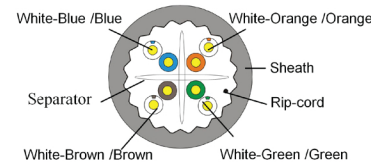
Jacket Printing

E317493-018 (UL) c(UL) CMR UTP 4PR 23 AWG
CAT6A 10G TIA/EIA-568-B.2-10 3P ETL Verified A B C
D E F / DEVICE 1 2 3 4 5 6 7 8 9 (VID : 017) #####FT

Sequential foot markers on jacket.



Technical Diagram



Cable Features

- Meets Or Exceeds CAT 6A T568C.2 Standards
- Extra Headroom Provides Room For Growth
- Low Attenuation And Power-Sum Crosstalk

Construction Facts

- The PVC Cable Has High Density Polyethylene Insulation
- 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: 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)
 - 19.1dB/100m (328.1ft.) @ 100MHz
 - 62.3dB/100m (328.1ft.) @ 750MHz
- 1.0 - 250MHz Impedance: 100Ω ± 15%
- NEXT (Minimum)
 - 44.3dB/100m (328.1ft.) @ 100MHz
 - 31.1dB/100m (328.1ft.) @ 750MHz
- PS-NEXT (Minimum)
 - 42.3dB/100m (328.1ft.) @ 100MHz
 - 29.1dB/100m (328.1ft.) @ 750MHz
- Return Loss (Minimum)
 - 20.1dB/100m (328.1ft.) @ 100MHz
 - 14.0dB/100m (328.1ft.) @ 750MHz