Show Me CABLES

cables & connectors since 1995

CAT 6A 10Gig
Solid CMP Unshielded Bulk Cable

Category 6A UTP Unshielded 1000' 8 Conductor, Bulk Cable, Plenum CMP, PVC Jacket, 23AWG Solid Bare Copper, Wooden Spool (ETL). 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

- TIA/EIA-568-C.2-10 Category 6A
- PVC: Low Smoke, Flame-Retardant
- ETL 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: FEP
- Insulation Diameter: 1.04 ± 0.01mm
- Number Of Conductors: 8 Conductors
- Number Of Pairs: 4 Pairs
- Spline Separator: Yes
- Outer Shield Material: N/A
- Drain Wire: N/A
- Jacket Material: PVC (CMP)
- Jacket Diameter: 8.15 ± 0.15mm
- 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: 61lbs. / 1000FT
- Max. Recommended Pulling Tension: 110N
- Min. Bend Radius/Minor Axis: 32mm
- Min. Bend/Installation: 65mm
- Test Object: Jacket
- Test Material: PVC
- Before Tensile Strength: ≥13.8
  - Aging Elongation: ≥100%
  - Aging Condition: 100°C x 168hrs
- After Tensile Strength: ≥75% Of Unaged
  - Aging Elongation: ≥75% Of Unaged
  - Cold Bend: No Visible Cracks (-20°±2°x4h)

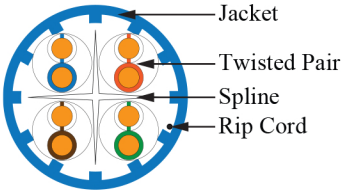
Jacket Printing

CAT6A UTP 4PR 75C 23 AWG SOLID 10G 4009521 CMP cETLus FT6 LISTED VERIFIED TO ANSI/TIA/EIA-568C.2 (VID:011) MEET RoHS XXXXFT

CAT6A

Intertek 4009521 · BICSI Corporate Member · RoHS Compliant · 100% Satisfaction Guaranteed

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 Plenum Cable Has FEP insulation And Features A Compound Jacket That's Rated To 32°F(0°C) For Low Temperature Handling
- Longitudinal Rip Cord For Easy Jacket Opening

Cable Put-Ups:

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

Electrical Characteristics

- Pair-To-Ground Capacitance Unbalanced: ≤330 (pF/100m)
- Nominal Velocity of Propagation: 72%
- Maximum Propagation Delay: 534 + 36 (ns/100m)
- Maximum Delay: 538.0 @ 100MHz (ns/100m)
- Maximum Delay Skew: 25 (ns/100m)
- Maximum Conductor DC Resistance: 93.8 (@ 20°C Ohm/100m)
- Maximum Operating Voltage - UL: 30
- Maximum DCR Unbalanced: ≤3.5% Max
- Attenuation (Maximum)
  - 19.1dB/100m (328.1ft.) @ 100MHz
  - 56.8dB/100m (328.1ft.) @ 750MHz
- 1.0 - 100MHz Impedance: 100Ω ± 12%
- 100.0 - 350MHz Impedance: 100Ω ± 15%
- 350.0 - 750MHz Impedance: 100Ω ± 22%
- NEXT (Minimum)
  - 44.3dB/100m (328.1ft.) @ 100MHz
  - 35.2dB/100m (328.1ft.) @ 750MHz
- PS-NEXT (Minimum)
  - 42.3dB/100m (328.1ft.) @ 100MHz
  - 33.2dB/100m (328.1ft.) @ 750MHz
- Return Loss (Minimum)
  - 20.1dB/100m (328.1ft.) @ 100MHz
  - 16.0dB/100m (328.1ft.) @ 750MHz