

Cat6a Ethernet BulkCable

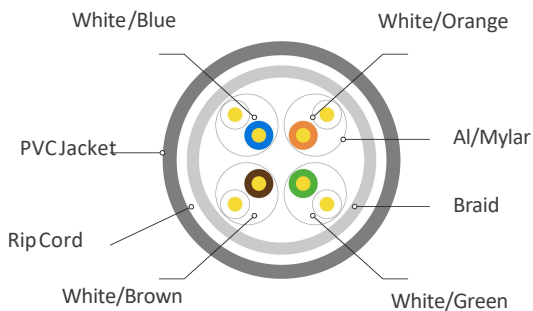
23AWG • 4 Twisted Pairs • CMR • S/FTP • 750MHz • Solid Copper

Available Colors: ■ ■



Overview

Cat6a was developed to achieve maximum distance of 100 meters for full 10 Gigabit network speeds. This robust spec will afford you the extra headroom across your network that Cat6 can not.



Key Features

- Solid Bare Copper Better than CCA
- Marked Every 1m (3.28ft) on Cable Makes Measuring Easy
- Support PoE, PoE+ and PoE++ (IEEE 802.3af/at/bt) CE, Reach, RoHS Certified
- Shielding Helps Eliminate Cross-talk and Prevents Electromagnetic Interference (EMI)
- CMR Rated (Riser) for Use in between Floors, in-Wall, and Non-plenum Spaces
- Tested with a Fluke DSX-8000 VersivCableAnalyzer

Application

- Use in between Floors, In-Wall, and Non-plenum Spaces
- Rated for any 1G/10G Ethernet
- Connect with Switches, Routers, Computers, IP Cameras, Xbox, Apple TV and Much More

Specifications

Physical Characteristics

| | |
|-----------------------------------|---------------------------------|
| Operating Temp. Range | -20 to +75°C (-4 to 167°F) |
| Max. Operating Voltage (v) | 80 |
| Reference Standard | ISO/IEC 11801, ANSI/TIA-568.2-D |

Insulation

| | |
|---------------------------------|--|
| Insulation Material | Skin-foam-skin PE |
| Insulation Diameter (mm) | 1.330 ± 0.05 |
| CoreColor | A. White, Blue B. White, Orange C. White, Green D. White, Brown |

Jacket

| | |
|---------------------------|-------------------------|
| Material | PVC (CompliesRoHS), CMR |
| External O.D. (mm) | 7.5 ± 0.5 |
| Thickness (mm) | 0.55 ± 0.05 |
| Color | Blue |
| Surface | Clean, Frap, Satiation |
| Rip Cord | Yes |

Specifications

Electrical Characteristics

| | |
|---|---------|
| 1.0-250.0MHz Impedance(ohms) | 100 ±15 |
| 250-500.0MHz Impedance(ohms) | 100 ±22 |
| 1.0-500.0MHz Delay Skew(ns/100m) | ≤45 |
| Capacitance Unbalance(pF/100m) | ≤330 |
| Max. Conductor DCResistance @20°C (ohms/100m) | 9.38 |
| Resistance Unbalance(%) | ≤5.0 |

Mechanical Characteristics

| | |
|-------------------------------------|-----------------------------------|
| Before Aging Tensile Strength (Mpa) | ≥13.5 |
| Before Aging Elongation (%) | ≥150 |
| Aging Period (°C×hrs) | 100°C×24h×7d |
| After Aging Tensile Strength (Mpa) | ≥12.5 |
| After Aging Elongation (%) | ≥125 |
| Cold Bend (-20±2°C×4h) | 8 × Cable O.D., No Visible Cracks |

Packing

| | |
|--------------|---------------------|
| Packing Type | 1000ft (305m)/Spool |
|--------------|---------------------|



 <https://www.fs.com>



The information in this document is subject to change without notice. FS has made all efforts to ensure the accuracy of the information, but all information in this document does not constitute any kind of warranty.