

Cat6a Ethernet Bulk Cable

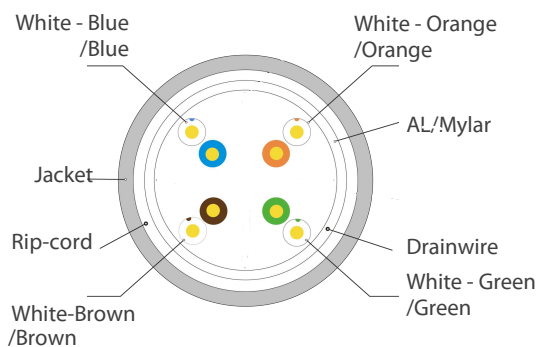
23AWG • 4 Twisted Pairs • PVC • U/FTP • 750MHz • Solid Copper

Available Colors: 



Overview

Cat6a is a "4 twisted pairs" network cable used for 1000Base-T Ethernet applications up to 750MHz, and can also provide at speed of 10G rate with up to 37 meters transmission distance. It is backward compatible with the Cat5/5e standard. Cat6a cabling is suitable for office and building wiring, such as schools and shopping malls. This cable is perfect for all your advanced networking installations.



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 Versiv CableAnalyzer

Application

- Use in between Floors, in-Wall, and Non-plenum Spaces
- Rated for any 1G/10GBase-T 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/IEC11801, ANSI-TIA-568.2-D

Conductor

Conductor Type	Solid Bare Copper
Wire Gauge (AWG)	23
Conductor Nom.O.D. (mm)	0.56 ± 0.01
Conductor Qty.	4 Twisted Pairs

Insulation

Insulation Material	HDPE
Insulation Diameter (mm)	1.32 ± 0.05
Core Color	A. White - Blue, Blue B. White - Orange, Orange C. White - Green, Green D. White - Brown, Brown

Jacket

Material	PVC CMR
External O.D. (mm)	7.6 ± 0.3
Thickness (mm)	0.38 ± 0.05
Color	Blue
Surface	Clean, Frap, Satiation
Rip Cord	Yes

Specifications

Electrical Characteristics

1.0-250.0MHz Impedance(ohms)	100 ± 15
1.0-500.0MHz Delay Skew (ns/100m)	≤45
Capacitance Unbalance (pF/100m)	≤330
Max. Conductor DC Resistance @20°C (ohms/100m)	7.32
Resistance Unbalance (%)	≤5.0

Mechanical Characteristics

Before Aging Tensile Strength (Mpa)	≥13.5
Before Aging Elongation (%)	≥150
Aging Period (°C×hrs)	100°C× 24× 10h
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) / Carton
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