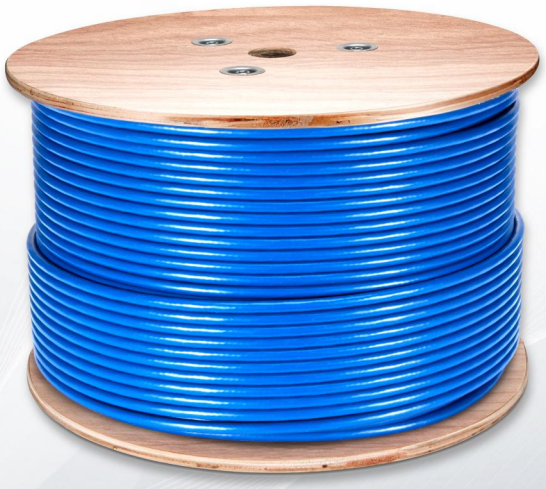
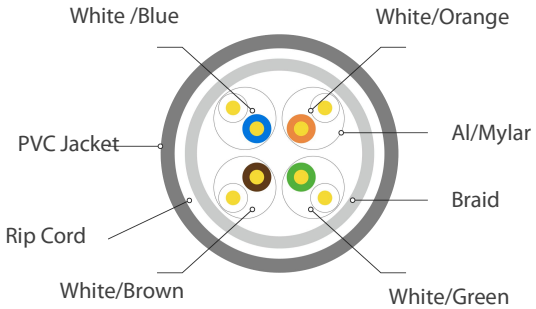
Cat6a Ethernet Bulk Cable

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



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 Versiv CableAnalyzer

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
Core Color	A. White, Blue B. White, Orange C. White, Green D. White, Brown

Jacket	
Material	PVC (Complies RoHS), 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 DC Resistance @20℃ (ohms/100m)	9.38
Resistance Unbalance (%)	≤5.0

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

Packing	
Packing Type	1000ft (305m)/Spool

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