Cat6a SFTP Patch Cables

Ideal for 10GBase-T Copper Cabling Solution

Overview

Cat6a network patch cable is the cost-effective solution for data center and SMB applications. Design for computers, hubs, switches, routers, DSL/cable modems and patch panels in Gigabit datacenter applications. With fast transmission and excellent signal quality, it ensures peak performance through your LAN.

Application

- Rated for any 10GBase-T Ethernet.
- Perfect for data center and SMB applications.
- Ideal for switches, servers, patch panels, or other equipment.

Key Features

- Protected by PVC CMX jacket
- Stranded Pure Bare Copper
- Rated for 500MHz communications
- Designed for 10GBase-T Ethernet
- Pass the Fluke Channel Test
- RoHS, CE compliancy status
- 26AWG 4-pair precision twisted cable
- Molded strain relief with snagless design
- RJ45 plugs with 50 microinches gold-plated connectors
- A variety of lengths for all Cat6a SFTP cables

Specification

Product Type	
Shielding Type	Shielded (S/FTP)
Termination End	RJ45 Plug
Reference Standard	ISO/IEC 11801, ANSI/TIA-568.2-D

Conductor	
Conductor Type	Stranded
Conductor Material	Pure Bare Copper
Wire Gauge (AWG)	26 (7/0.16mm)
Conductor Qty.	4 Twisted Pairs

Insulation	
Insulation Material	FOAM PE
Insulation Diameter (mm)	1.01 ± 0.05
Core Color	A. White-Blue, B. White-Orange, C. White-Green, D. White-Brown

Shield	
Individual Shield & Material	AL-Foil
Primary Overall Shield & Material	No
Secondary Overall Shield & Material	CCAM Braid
Shield Coverage	≥40%

Specification

Sheath	
Material	PVC (Complies RoHS), CMX
Thickness (mm)	0.6
Outer O.D. (mm)	6.2 ±0.3
Color	Blue/Gray/Black/White

Electrical Characteristics (20 ℃)	
Data Rate Support	10GBase-T
Standard Bandwidth (MHz)	500
Reference Bandwidth (MHz)	550
Max. DC Conductor Resistance Unbalance (%)	5
1-500MHz, Delay Skew (ns/100m)	≤45
Max. Conductor Resistance 20℃ (Ω/1km)	145

Mechanical Characteristics	
Outer Jacket Tensile Strength (Mpa)	≥13.5
Outer Jacket Elongation (%)	≥150
Aging Period (℃×hrs)	100℃×24h×7d
After Aging Tensile Strength (Mpa)	≥12.5
After Aging Elongation (%)	≥125
Cold Bend (-20±2℃×4h)	No Visible Cracks
Min. Bend Radius (cm)	4.34 ± 0.2

Specification

Surface Printing	
Letter Height (mm)	3.0 ± 0.3
Color	Black

Others	
Rip Cord	No
Drain Wire	No