

Cat6a S/FTP PVC CM Patch Cables

Ideal for 10GBase-T Copper Cabling Solution



Overview

Cat6a network patch cable supports up to 10GBase-T and 550MHz within 100 meters of cable. And it is fully backward compatible with all the previous categories. The FS cat6a patch cables conductor apply Pure Bare Copper with high electrical conductivity and low signal transmission attenuation. The sheath material is new environmentally friendly material PVC CM, which is durable, flame-retardant, resistant to bending.

Cat6a cable uses eight-core four-pair precision twisted pairing technology and passes the Fluke patch cord test. Compared with network cables that have passed channel testing, they have higher performance and are suitable for application environments with high performance requirements, such as medium and large data centers or brand data centers.

Benefits

- Exceed ANSI/TIA-568.2-D Category 6A and ISO 11801 Class EA Standards
- Up to 550MHz with 10G-T Speed, Support PoE/PoE +/PoE++ (IEEE 802.3af/at/bt)
- Performance Tested with Fluke and Wired T568B
- Strain Relief and a Flexible Boot Simplify Moves, Additions and Changes
- Stranded Cable and RJ45 Modular Plugs with 50μ" Gold-plated Contacts
- Use in Patch Panel or Equipment Connections in Enterprise Networks and Data Center
- Support Current and Future Category 6a/6/5e/5 Applications

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	Skin-foam-skin PE
Insulation Diameter (mm)	1.00 ± 0.05
Core Color	A. White-Blue B. White-Orange C. White-Green D. White-Brown

Specification

Sheath	
Material	PVC (Complies RoHS), CM
Thickness (mm)	0.55 ± 0.05
Outer O.D.(mm)	6.1 ± 0.3
Color	Blue

Electrical Characteristics (20 °C)	
Data Rate Support	10GBase-T
Standard Bandwidth (MHz)	550
Reference Bandwidth (MHz)	550
Max. DC Conductor Resistance Unbalance (%)	5
Max. DC Resistance 20 °C (Ω/100m)	14.8

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)	No Visible Cracks

Specification

Surface Printing

Letter Height (mm)

3.0 ±0.3

Color

Black

Others

Rip Cord

No

Drain Wire

No