

Cat6a F/FTP LSZH Patch Cables

Ideal for 10GBase-T Copper Cabling Solution



Overview

Category 6a cable supports up to 500MHz and speeds up to 10Gbps over 100 meters. It fully backward compatible with all the previous categories. A foil is wrapped around the cable protecting it from electromagnetic and radio frequency interference. Snagless boot prevents unwanted cable snags during installation and provides extra strain relief. Cat6a cable passes the Fluke test, which ensures that it can provide stable high-speed network connection and ensure the accuracy and reliability of data transmission. All patch cords shall be compatible with both T568B wire scheme.

Benefits

- Exceed ANSI/TIA-568-C.2 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
- Solid 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 (F/FTP)
Termination End	RJ45 Plug
Reference Standard	ISO/IEC 11801, ANSI/TIA-568-C.2

Conductor	
Conductor Type	Solid
Conductor Material	Pure Bare Copper
Wire Gauge (AWG)	23
Conductor Qty.	4 Pairs

Insulation	
Insulation Material	Skin-foam-skin PE
Insulation Diameter (mm)	1.28 ± 0.05
Core Color	A. White-Blue B. White-Orange C. White-Green D. White-Brown

Specification

Sheath	
Material	LSZH (Complies RoHS)
Thickness (mm)	0.5 ± 0.05
Outer O.D.(mm)	6.9 ± 0.5
Color	Blue/White
Electrical Characteristics (20 °C)	
Data Rate Support	10GBase-T
Standard Bandwidth (MHz)	550
Reference Bandwidth (MHz)	550
Max. DC Conductor Resistance Unbalance (%)	2.0
1-500MHz, Delay Skew (ns/100m)	≤45
Max. DC Resistance 20 °C (Ω/100m)	9.38
Mechanical Characteristics	
Before Aging Tensile Strength (Mpa)	≥10.0
Before Aging Elongation (%)	≥125
Aging Period (°C×hrs)	100°C×24h×7d
After Aging Tensile Strength (Mpa)	≥8.0
After Aging Elongation (%)	≥100
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