

Cat6 SFTP Patch Cables

Ideal for 1/10GBase-T Copper Cabling Solution



Overview

Cat6 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 1/10GBase-T Ethernet.
- Perfect for data center and SMB applications.
- Ideal for switches, servers, patch panels, or other equipment.

Key Features

- Protected by PVC CM Jacket
- Stranded Pure Bare Copper
- RJ45 Plugs with 50 Microinches Gold-plated Connectors
- Snagless Design Protects Clips When Plugging and Unplugging
- Multiple Colors and Lengths Helps Simplify Complicated Cable Runs
- 4 Twisted Pairs and Cross Separator Reduce Crosstalk, Noise and Interference
- Tested with a Fluke DSX-8000 Versiv CableAnalyzer
- CE, Reach, RoHS Certified

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), CM
Outer O.D. (mm)	6.2 ± 0.3
Thickness (mm)	0.6
Color	Blue
Surface	Clean, Frap, Satiation

Electrical Characteristics (20 °C)

Data Rate Support	1/10GBase-T
Standard Bandwidth (MHz)	250
Reference Bandwidth (MHz)	550
Max. DC Conductor Resistance Unbalance (%)	5.0
1-250MHz, Delay Skew (ns/100m)	≤45
Max. Conductor Resistance 20°C (Ω/1km)	145

Mechanical Characteristics

Outer Jacket Tensile Strength (Mpa)	≥ 13.5
Outer Jacket 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
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