

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 Oxygen-free Copper
- Rated for 500MHz communications
- Designed for 10GBase-T Ethernet
- 100% pass the Fluke Channel Test
- RoHS & CE compliancy status
- 26AWG 4-pair precision twisted cable
- Molded strain relief with snagless design
- RJ-45 plugs with 50-micron 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-C.2

Conductor

Conductor Type

Stranded

Conductor Material

Oxygen-free 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 CMX (complies RoHS)

Thickness (mm) 0.6

Outer O.D. (mm) 6.2 ± 0.3

Color Blue/Gray/Black

Electrical Characteristics (20 °C)

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°C (Ω /1km) 145

Mechanical Characteristics

Outer Jacket Tensile Strength (Mpa) ≥ 13.5

Outer Jacket Elongation (%) ≥ 150

Aging Period ($^{\circ}\text{C} \times \text{hrs}$) $100^{\circ}\text{C} \times 24\text{h} \times 7\text{d}$

After Aging Tensile Strength (Mpa) ≥ 12.5

After Aging Elongation (%) ≥ 125

Cold Bend ($-20 \pm 2^{\circ}\text{C} \times 4\text{h}$) 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



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