

# 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

<b>Shielding Type</b>	Shielded (S/FTP)
<b>Termination End</b>	RJ45 Plug
<b>Reference Standard</b>	ISO/IEC 11801, ANSI/TIA-568-C.2

### Conductor

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

### Insulation

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

### Shield

<b>Individual Shield &amp; Material</b>	AL-Foil
<b>Primary Overall Shield &amp; Material</b>	No
<b>Secondary Overall Shield &amp; Material</b>	CCAM Braid
<b>Shield Coverage</b>	≥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 °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 (°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



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