

# 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 CMX jacket
- Stranded Oxygen-free Copper
- Rated for 250MHz communications
- Designed for 1/10GBase-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 Cat6 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

<b>Material</b>	PVC CMX (complies RoHS)
<b>Outer O.D. (mm)</b>	6.2 ± 0.3
<b>Thickness (mm)</b>	0.6
<b>Color</b>	Blue
<b>Surface</b>	Clean, frap, sation

### Electrical Characteristics (20 °C)

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

### Mechanical Characteristics

<b>Outer Jacket Tensile Strength (Mpa)</b>	≥13.5
<b>Outer Jacket Elongation (%)</b>	≥150
<b>Aging Period (°C× hrs)</b>	100°C× 24h× 7d
<b>After Aging Tensile Strength (Mpa)</b>	≥12.5
<b>After Aging Elongation (%)</b>	≥125
<b>Cold Bend (-20±2°C× 4h)</b>	No Visible Cracks
<b>Min. Bend Radius (cm)</b>	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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