

# Cat7 SFTP Patch Cables

Ideal for 10GBase-T Copper Cabling Solution



## Overview

Cat7 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 600MHz 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-micron gold-plated connectors
- A variety of lengths for all Cat7 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

### 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

<b>Material</b>	PVC (Complies RoHS), CMX
<b>Thickness (mm)</b>	0.6
<b>Outer O.D. (mm)</b>	6.2 ± 0.3
<b>Color</b>	Blue

### Electrical Characteristics (20 °C)

<b>Data Rate Support</b>	10GBase-T
<b>Standard Bandwidth (MHz)</b>	600
<b>Max. DC Conductor Resistance Unbalance (%)</b>	5.0
<b>1-600MHz, 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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