

# 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. Compliant with ISO/IEC 11801 standard, 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 CM jacket
- Stranded >99.95% Oxygen-free 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                        |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| Shielding Type                      | Shielded (S/FTP)                                                        |
| Termination End                     | RJ45 Plug                                                               |
| Reference Standard                  | ISO/IEC 11801                                                           |
| Conductor                           |                                                                         |
| Conductor Type                      | Stranded                                                                |
| Conductor Material                  | >99.95% 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,<br>B. White-Orange,<br>C. White-Green,<br>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 |
| Thickness (mm)                             | 0.6                     |
| Outer O.D. (mm)                            | 6.2 ± 0.3               |
| Color                                      | Blue                    |
| Electrical Characteristics (20 °C)         |                         |
| Data Rate Support                          | 10GBase-T               |
| Standard Bandwidth (MHz)                   | 600                     |
| Max. DC Conductor Resistance Unbalance (%) | 5.0                     |
| 1-600MHz, 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        |