

# Customized Cat6 SFTP Snagless 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 CM/LSZH Jacket
- Stranded Pure Bare Copper
- RJ45 Plugs with 50 Microinches Gold-plated Connectors
- Snagless Design Protects Clips When Plugging and Unplugging
- Multiple Colors and Lengths Helps Simplify Complicated Cable Runs
- 4 Twisted Pairs and Cross Separator Reduce Crosstalk, Noise and Interference
- Tested with a Fluke DSX-8000 Versiv CableAnalyzer
- CE, Reach, RoHS Certified

Specification

| Product Type                        |                                                                         |
|-------------------------------------|-------------------------------------------------------------------------|
| Shielding Type                      | Shielded (S/FTP)                                                        |
| Termination End                     | RJ45 Plug                                                               |
| Reference Standard                  | ISO/IEC 11801, ANSI/TIA-568.2-D                                         |
| Conductor                           |                                                                         |
| Conductor Type                      | Stranded                                                                |
| Conductor Material                  | Oxygen-free Copper                                                      |
| Wire Gauge (AWG)                    | 26 (7/0.16mm)                                                           |
| Conductor Qty.                      | 4 Twisted Pairs                                                         |
| Insulation                          |                                                                         |
| Insulation Material                 | PVC CM: FOAM PE/LSZH:HDPE                                               |
| Insulation Diameter (mm)            | PVC CM: 1.01 ± 0.05/LSZH:0.98 ±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/LSZH                                  |
| Outer O.D. (mm)                            | PVC CM: 6.2± 0.3, LSZH: 5.8 ± 0.4                            |
| Thickness (mm)                             | PVC CM:0.6/LSZH:0.55 ±0.05                                   |
| Color                                      | Blue/Black/Green/White/Yellow<br>Red/Gray/Orange/Purple/Pink |
| Surface                                    | Clean, Frap, Satiation                                       |
| Electrical Characteristics (20 °C)         |                                                              |
| Data Rate Support                          | 1/10GBase-T                                                  |
| Standard Bandwidth (MHz)                   | 250                                                          |
| ReferenceBandwidth(MHz)                    | 550                                                          |
| Max. DC Conductor Resistance Unbalance (%) | 5.0                                                          |
| 1-250MHz, Delay Skew (ns/60m)              | ≤ 45                                                         |
| Max. DC Resistance 20 (Ω/100m)             | PVC CM:23.7 /PVC CMX:14.8 /LSZH:9.38                         |
| 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)                      | PVC CM:4.34 ± 0.2/LSZH:4.27 ± 0.3                            |

Specification

| Surface Printing   |           |
|--------------------|-----------|
| Letter Height (mm) | 3.0 ± 0.3 |
| Color              | Black     |
| Others             |           |
| Rip Cord           | Yes       |
| Drain Wire         | No        |