

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

**LSZH Fiber Optic Patch Cord SM  
(G.657A1) 9/125 (LC-UPC/LC-UPC)  
Simplex (3.0mm)**



## **LSZH Fiber Optic Patch Cord SM (G.657A1) 9/125 (LC-UPC /LC-UPC) Simplex (3.0 mm)**

### **Product Description:**

The LC/UPC–LC/UPC Simplex (SX) Fiber Optic Patch Cord is a high-performance optical jumper designed for reliable data transmission in telecom, data center, and enterprise networks. It features LC connectors with UPC (Ultra Physical Contact) polishing, ensuring low insertion loss and high return loss for stable signal performance. The compact LC design makes it ideal for high-density applications.

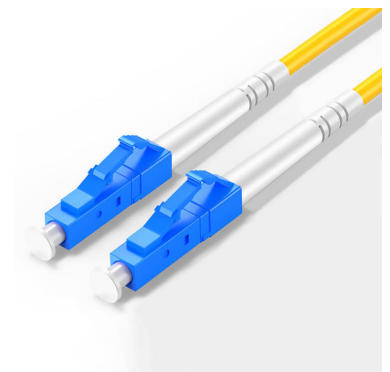


### **Features:**

- Compact LC connectors for high-density environments
- UPC polish for low loss and high signal stability
- Simplex design for single-channel transmission
- Flexible and durable cable construction
- Suitable for both single-mode and multimode applications
- Easy installation and reliable performance

### **Applications:**

- Data centers and high-density patching
- Telecom and fiber optic networks
- LAN/WAN structured cabling systems
- Optical switches, routers, and servers
- Patch panels and Optical Distribution Frames (ODF)



## Fiber Specifications:

| Specification        | Value                                     |
|----------------------|---|
| Connector Type       | LC/UPC – LC/UPC                           |
| Cable Type           | Simplex (SX)                              |
| Fiber Type           | SM (9/125) or MM (50/125, 62.5/125)       |
| Operating Wavelength | 1310 / 1550 nm (SM) or 850 / 1300 nm (MM) |
| Outer Jacket         | LSZH / PVC                                |
| Cable Diameter       | Typically, 2.0 mm or 3.0 mm               |

## Optical Performance:

- Insertion Loss:  $\leq 0.3$  dB
- Return Loss:  $\geq 50$  dB (UPC)
- High repeatability and durability
- Stable transmission with low attenuation

### Note That:

The connector is designed with two color markings on both ends for identification purposes: Blue and white.