



PN:FLPCO1SX-LC-000-SC-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

**LSZH Fiber Optic Patch Cord MM  
(OM1) 50/125 LC-UPC/SC-UPC Simplex  
3.0 mm**



## LSZH Fiber Optic Patch Cord MM (OM1) 50/125 (LC-UPC/ SC-UPC) Simplex 3.0 mm

### **Product Description:**

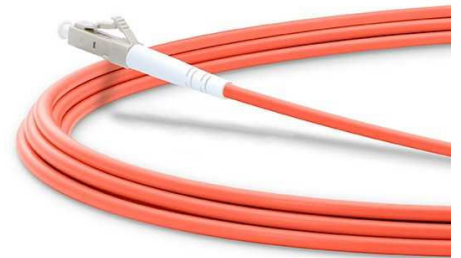
The LSZH Fiber Optic Patch Cord Multimode OM1 (50/125  $\mu\text{m}$ ) LC-UPC to SC-UPC Simplex 3.0 mm is designed for short-distance optical communication in enterprise networks and structured cabling systems.

It provides a reliable connection between LC and SC interfaces, combining **high-density equipment compatibility (LC)** with **standard network equipment (SC)**. The simplex design uses a single fiber for one-way transmission, making it suitable for specific signal links or patching applications.

OM1 multimode fiber is optimized for LED-based transmission in short-range communication environments.

### **Features:**

- LC–SC hybrid connectivity for flexible integration
- Simplex design for single-channel transmission
- OM1 multimode fiber for short-distance communication
- LSZH jacket for enhanced fire safety
- Low insertion loss and stable performance
- Easy installation and cable management
- Durable 3.0 mm cable construction
- Reliable performance for enterprise and legacy networks



**Applications:**

- LAN (Local Area Networks)
- Data centers (short-distance links)
- Ethernet switches and routers
- Patch panels and network cabinets
- Structured cabling systems
- Enterprise networking environments



**Fiber Specifications:**

Parameter	Value
Fiber Type	Multimode
Standard	OM1 (50/125 μm)
Operating Wavelength	850 nm / 1300 nm
Attenuation @850 nm	≤ 3.5 dB/km
Attenuation @1300 nm	≤ 1.0 dB/km
Bandwidth	200 MHz·km @850 nm
Mode Type	Graded-index multimode
Compatibility	Legacy multimode systems

**Optical Performance:**

Parameter	Value
Insertion Loss	$\leq 0.3$ dB
Return Loss	$\geq 35$ dB
Repeatability	$\leq 0.1$ dB
Durability	$\geq 1000$ mating cycles
Transmission Distance	Short-range applications

**Environmental Conditions:**

- Operating Temperature:  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Storage Temperature:  $-25^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Indoor use only