



PN:FLPCO1DX-LC-000-ST-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

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



## **LSZH Fiber Optic Patch Cord MM (OM1) 50/125 (LC-UPC/ ST-UPC) Duplex 3.0 mm**

### **Product Description:**

The LSZH Fiber Optic Patch Cord Multimode OM1 (50/125  $\mu\text{m}$ ) LC-Connector to ST-Connector Duplex 3.0 mm (1 Meter) is designed for short-distance optical communication in enterprise networks and structured cabling systems.



This hybrid patch cord connects high-density equipment (LC interface) with legacy or industrial systems (ST interface). The duplex configuration enables simultaneous transmit and receive (Tx/Rx), making it suitable for Ethernet, LAN, and data center applications.

OM1 multimode fiber is optimized for LED-based transmission and short-range connectivity.

### **Features:**

- Hybrid LC–ST connectivity for flexible system integration
- Duplex design for simultaneous Tx/Rx communication
- OM1 multimode fiber for short-distance transmission
- LSZH jacket for enhanced fire safety
- Compact LC connector for high-density environments
- Secure ST bayonet locking mechanism
- Durable 3.0 mm cable construction
- Reliable performance for Ethernet and LAN applications

**Applications:**

- LAN (Local Area Networks)
- Data centers (short-distance interconnections)
- Ethernet switches and routers
- Patch panels and network cabinets
- Industrial and legacy systems (ST interface)
- Enterprise structured cabling systems



**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	Suitable for 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