



PN:FLPCO1DX-LC-000-LC-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

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



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

Product Description:

The LSZH Fiber Optic Patch Cord Multimode OM1 (50/125 μm) LC-Connector to LC-Connector Duplex 3.0 mm (1 Meter) is designed for short-distance, high-density optical connections in enterprise networks and data center environments.

It features compact LC connectors on both ends, enabling high port density and efficient cable management. The duplex structure supports simultaneous transmit and receive (Tx/Rx), making it suitable for Ethernet and LAN applications.

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

Features:

- LC–LC compact design for high-density installations
- Duplex structure for simultaneous Tx/Rx transmission
- OM1 multimode fiber for short-distance communication
- LSZH jacket for enhanced fire safety
- Low insertion loss and stable optical performance
- Easy installation and cable management
- Durable 3.0 mm cable construction
- Reliable performance in enterprise networks



Applications:

- LAN (Local Area Networks)
- Data centers (short-distance interconnects)
- Ethernet switches and routers
- Patch panels and network cabinets
- Building backbone cabling
- 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	≤ 0.3 dB
Return Loss	≥ 35 dB
Repeatability	≤ 0.1 dB
Durability	≥ 1000 mating cycles
Transmission Distance	Short-range applications

Environmental Conditions:

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