

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

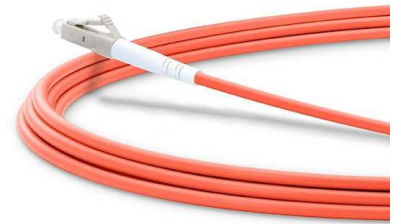
LSZH Fiber Optic Patch Cord MM (OM1) 50/125 LC-UPC/LC-UPC Simplex 3.0 mm



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Product Description:

The LSZH Fiber Optic Patch Cord Multimode OM1 (50/125 μm) LC-UPC to LC-UPC Simplex 3.0 mm is designed for short-distance optical communication in enterprise networks and structured cabling systems.



It features LC connectors with UPC polishing on both ends, ensuring low insertion loss and stable optical performance. The simplex design uses a single fiber core for one-way transmission, making it suitable for specific signal routing, monitoring, and legacy network applications.

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

Features:

- LC–LC compact design for high-density installations
- Simplex configuration for single-direction transmission
- OM1 multimode fiber for short-distance communication
- LSZH jacket for enhanced fire safety
- Low insertion loss and stable performance
- Flexible and easy installation
- 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
- Structured cabling systems
- Monitoring and signal routing applications

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	≤ 0.3 dB
Return Loss	≥ 35 dB
Repeatability	≤ 0.1 dB
Durability	≥ 1000 mating cycles
Transmission Distance	Short-range applications