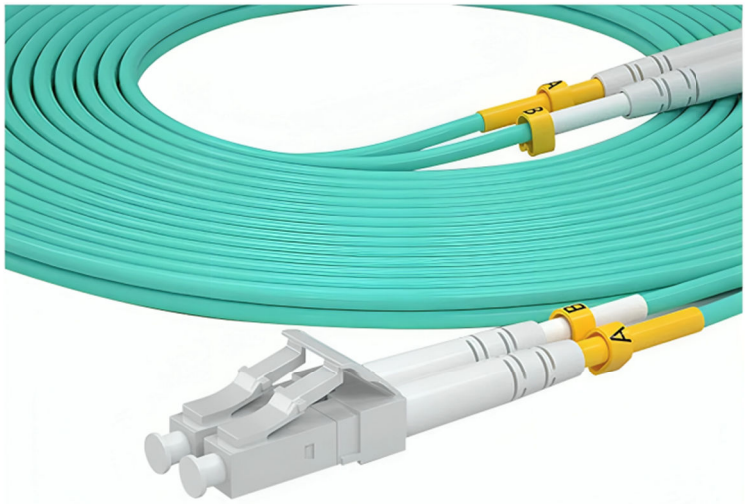
PN: FLPCO3DX-LC-000-LC-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

LSZH Fiber Optic Patch Cord MM (OM3) 50/125 (LC-UPC/LC-UPC) Duplex (3.0 mm)



LSZH Fiber Optic Patch Cord MM (OM3) 50/125 LC-UPC/LC-UPC Duplex 3.0 mm

Product Description:

The LSZH Fiber Optic Patch Cord Multimode OM3 (50/125 µm) LC-UPC to LC-UPC Duplex 3.0 mm is designed for high-speed optical communication in modern data centers, enterprise networks, and high-bandwidth applications.

It features LC connectors with UPC polishing on both ends, providing compact high-density connectivity with low insertion loss and reliable signal transmission. The duplex configuration supports simultaneous transmit and receive (Tx/Rx), making it ideal for high-speed Ethernet, SAN, and structured cabling systems.

OM3 laser-optimized multimode fiber offers significantly higher bandwidth and longer transmission distances compared to OM1 and OM2 fibers, supporting 10G and higher-speed network applications.

Features:

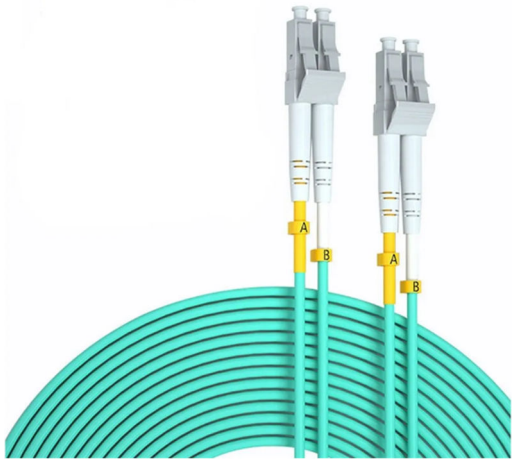
- LC–LC compact connectivity for high-density applications
- Duplex structure for simultaneous Tx/Rx communication
- OM3 laser-optimized fiber for high-speed transmission
- Supports 10G Ethernet and high-bandwidth applications
- LSZH jacket for enhanced fire safety
- Low insertion loss and stable optical performance
- Durable 3.0 mm cable construction
- Ideal for modern enterprise and data center networks

Construction:

Parameter	Details
Fiber Type	Multimode (MM)
Fiber Standard	OM3 (50/125 µm)
Cable Structure	Duplex (Zipcord – 2 Fibers)
Cable Diameter	3.0 mm
Outer Jacket	LSZH (Low Smoke Zero Halogen)
Connector A	LC/UPC
Connector B	LC/UPC
Ferrule Material	Zirconia Ceramic
Strength Member	Aramid Yarn (Kevlar)

Applications:

- Data centers and cloud infrastructure
- 10G Ethernet networks
- High-speed LAN environments
- Storage Area Networks (SAN)
- Structured cabling systems
- High-density fiber patching environments



Fiber Specifications:

Parameter	Value
Fiber Type	Laser-Optimized Multimode
Standard	OM3 (50/125 μm)
Operating Wavelength	850 nm / 1300 nm
Attenuation @850 nm	≤ 3.0 dB/km
Attenuation @1300 nm	≤ 1.0 dB/km
Bandwidth	2000 MHz·km @850 nm
Mode Type	Graded-index multimode
Ethernet Support	10G Ethernet and higher-speed applications

Optical Performance:

Parameter	Value
Insertion Loss	≤ 0.3 dB
Return Loss	≥ 35 dB
Repeatability	≤ 0.1 dB
Durability	≥ 1000 mating cycles
Transmission Type	Simplex (Single Fiber)

Environmental Conditions:

- Operating Temperature: -20°C to +70°C
- Storage Temperature: -25°C to +70°C
- Indoor installation only