



PN:FLPCO3DX-LC-000-ST-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

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



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Description

The LC-UPC to ST-UPC OM3 multimode duplex fiber optic patch cord is designed for high-performance optical networks requiring stable and efficient data transmission. It combines LC high-density connectors with ST bayonet-style connectors, making it suitable for hybrid network configurations. Built with laser-optimized 50/125 μm OM3 fiber, it supports high-speed applications such as 10 Gigabit Ethernet. The LSZH jacket ensures safety in indoor environments by minimizing smoke and toxic emissions.

Features

- OM3 laser-optimized **50/125 μm multimode fiber**
- **Duplex structure** for simultaneous transmit/receive communication
- LC-UPC high-density connector with push-pull locking mechanism
- ST-UPC connector with bayonet twist-lock design
- Low insertion loss and high return loss performance
- LSZH (Low Smoke Zero Halogen) jacket for enhanced fire safety
- Supports high-speed transmission up to **10G Ethernet**
- Factory terminated and 100% tested for quality assurance
- High durability and stable long-term performance
- Aqua jacket color for OM3 identification
- RoHS compliant and environmentally safe materials



Technical Specifications

Category	Parameter	Specification
Fiber Type	Mode	Multimode OM3
	Core/Cladding	50/125 μm
	Wavelength	850 nm / 1300 nm
Cable Type	Structure	Duplex
	Jacket Material	LSZH
	Outer Diameter	3.0 mm
Connector	Type	LC-UPC to ST-UPC
	Polish	UPC
Optical Performance	Insertion Loss	≤ 0.3 dB
	Return Loss	≥ 30 dB
Mechanical	Tensile Strength	≥ 90 N
	Bend Radius	30 mm (dynamic), 15 mm (static)
Environmental	Operating Temp	-20°C to +70°C
	Storage Temp	-40°C to +85°C
Standards	Compliance	ISO/IEC 11801, TIA/EIA-568, IEC 61754, RoHS

Applications

- Data centers and hybrid network interconnections
- LAN and enterprise backbone cabling systems
- Fiber patch panels and optical distribution frames (ODF)
- Telecommunication infrastructure networks
- FTTH / FTTB deployments
- Network equipment interconnections (switches, transceivers)
- CCTV and surveillance systems over fiber
- Industrial networking environments
- High-speed 10G Ethernet and short-range multimode links
- Mixed connector legacy-to-modern network integration