PN:FLPCO3SX-LC-000-ST-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

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

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Description

The LC-UPC to ST-UPC OM3 multimode simplex fiber optic patch cord is designed for reliable high-speed optical communication in structured fiber networks. It uses laser-optimized 50/125 µm OM3 fiber, suitable for high-bandwidth applications such as 10 Gigabit Ethernet over short to medium distances. The combination of LC and ST connectors provides flexible integration between modern high-density equipment and legacy fiber systems. The LSZH jacket ensures improved fire safety in indoor installations.

Features

- OM3 laser-optimized **50/125 µm multimode fiber**
- **Simplex structure** for single optical path transmission
- LC-UPC high-density connector with push-pull design
- ST-UPC connector with bayonet twist-lock mechanism
- Low insertion loss and stable optical performance
- LSZH (Low Smoke Zero Halogen) jacket for indoor safety
- Supports high-speed applications up to **10 Gigabit Ethernet**
- Factory terminated and 100% tested for quality assurance
- High durability and long service life
- Aqua jacket color for OM3 fiber identification
- RoHS compliant and environmentally friendly materials

Technical Specifications

Category	Parameter	Specification
Fiber Type	Mode	Multimode OM3
	Core/Cladding	50/125 µm
	Wavelength	850 nm / 1300 nm
Cable Type	Structure	Simplex
	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 high-density optical connections
- LAN backbone and structured cabling systems
- Fiber distribution frames (ODF) and patch panels
- Telecommunication and enterprise networks
- FTTH / FTTB infrastructure
- Hybrid network integration (LC modern equipment to ST legacy systems)
- CCTV and surveillance systems over fiber
- Industrial communication systems
- High-speed 10G Ethernet short-range links
- Test and measurement optical setups