



PN:FLPCO3SX-ST-000-ST-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

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



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

Description

The LSZH Fiber Optic Patch Cord MM (OM3) 50/125 ST-UPC/ST-UPC Simplex 3.0 mm is a high-performance multimode fiber optic cable designed for reliable optical connectivity in high-speed network environments.

Constructed with OM3 laser-optimized multimode fiber and equipped with ST/UPC connectors on both ends, this patch cord delivers low insertion loss, excellent repeatability, and stable transmission performance. The LSZH (Low Smoke Zero Halogen) jacket enhances safety by minimizing toxic and corrosive emissions in the event of fire.

The patch cord is ideal for data centers, LAN networks, enterprise cabling systems, telecom rooms, and optical distribution applications.

Features

- ST/UPC connectors on both ends
- OM3 laser-optimized multimode fiber
- Low insertion loss and high reliability
- LSZH flame-retardant jacket
- High-quality zirconia ceramic ferrules
- Excellent optical performance and repeatability
- Factory terminated and 100% tested
- Suitable for high-speed optical networks



Technical Specifications:

Parameter	Specification
Connector Type	ST-UPC to ST-UPC
Fiber Category	OM3 Multimode
Core / Cladding Diameter	50/125 μm
Cable Structure	Simplex
Cable Diameter	3.0 mm
Operating Wavelength	850 / 1300 nm
Insertion Loss	≤ 0.3 dB
Return Loss	≥ 30 dB
Interchangeability	≤ 0.2 dB
Repeatability	≤ 0.2 dB
Tensile Strength (Long-Term)	≥ 90 N
Mating Durability	≥ 1000 Cycles
Minimum Bend Radius	$10 \times$ Cable Diameter
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
RoHS Compliance	Yes

Environmental Specifications

Parameter	Specification
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Relative Humidity	Up to 95%
Flame Retardancy	IEC 60332 Compliant
Smoke Emission	Low Smoke
Halogen Content	Zero Halogen
Corrosion Resistance	Excellent
Indoor Use	Yes
RoHS Compliance	Yes

Applications

- Data Centers
- Enterprise Networks
- LAN Backbone Cabling
- Storage Area Networks (SAN)
- Telecommunications Systems
- Fiber Patch Panels
- Optical Distribution Frames (ODF)