



PN:FLPCO3SX-SC-000-ST-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

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



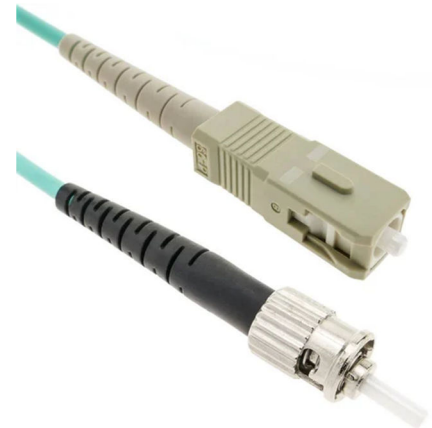
## LSZH Fiber Optic Patch Cord MM (OM3) 50/125 (SC-UPC/ST-UPC) Simplex (3.0 mm)

### Description

The SC-UPC to ST-UPC OM3 multimode simplex fiber optic patch cord is designed for reliable and high-performance optical communication in structured cabling networks. It uses laser-optimized 50/125  $\mu\text{m}$  OM3 fiber, supporting high-speed data transmission such as 10 Gigabit Ethernet over short to medium distances. The SC connector provides a push-pull snap-in mechanism for easy installation, while the ST connector offers a secure bayonet twist-lock interface. The LSZH jacket ensures enhanced safety in indoor environments.

### Features

- OM3 laser-optimized **50/125  $\mu\text{m}$  multimode fiber**
- **Simplex structure** for single optical transmission path
- SC-UPC connector with push-pull snap-in mechanism
- ST-UPC connector with bayonet twist-lock design
- Low insertion loss and stable optical performance
- LSZH (Low Smoke Zero Halogen) jacket for fire safety
- Supports high-speed transmission up to **10 Gigabit Ethernet**
- Factory terminated and 100% tested for quality assurance
- High durability and long-term reliability
- Aqua jacket color for OM3 fiber identification
- RoHS compliant and environmentally friendly materials



## Technical Specifications

Category	Parameter	Specification
<b>Fiber Type</b>	Mode	Multimode OM3
	Core/Cladding	50/125 $\mu\text{m}$
	Wavelength	850 nm / 1300 nm
<b>Cable Type</b>	Structure	Simplex
	Jacket Material	LSZH
	Outer Diameter	3.0 mm
<b>Connector</b>	Type	SC-UPC to ST-UPC
	Polish	UPC
<b>Optical Performance</b>	Insertion Loss	$\leq 0.3$ dB
	Return Loss	$\geq 30$ dB
<b>Mechanical</b>	Tensile Strength	$\geq 90$ N
	Bend Radius	30 mm (dynamic), 15 mm (static)
<b>Environmental</b>	Operating Temp	-20°C to +70°C
	Storage Temp	-40°C to +85°C
<b>Standards</b>	Compliance	ISO/IEC 11801, TIA/EIA-568, IEC 61754, RoHS

## Applications

- Data centers and enterprise fiber networks
- LAN backbone and structured cabling systems
- Fiber distribution frames (ODF) and patch panels
- Telecommunication infrastructure
- FTTH / FTTB deployments
- Hybrid network integration (SC to ST interfaces)
- CCTV and surveillance systems over fiber
- Industrial communication systems
- High-speed 10G Ethernet short-range links
- Testing and measurement optical environments