



PN:FLPCO3DX-ST-000-ST-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

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



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

Description

The ST-UPC to ST-UPC OM3 multimode duplex fiber optic patch cord is designed for reliable high-speed optical communication in structured cabling systems. It uses laser-optimized 50/125 μm OM3 fiber and is suitable for applications requiring stable performance and low signal loss. The ST connectors provide a bayonet-style twist-lock mechanism for quick installation and secure connections. The LSZH jacket ensures enhanced fire safety for indoor environments.

Features

- OM3 laser-optimized **50/125 μm multimode fiber**
- **Duplex structure** for bidirectional optical communication
- ST-UPC connectors with bayonet twist-lock coupling
- Low insertion loss and high return loss performance
- LSZH (Low Smoke Zero Halogen) jacket for indoor safety
- Supports high-speed transmission up to **10 Gigabit Ethernet**
- Factory terminated and 100% tested for optical performance
- High mechanical strength and long-term reliability
- Aqua jacket color for OM3 fiber identification
- Excellent repeatability and stable optical performance
- 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	ST-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 server interconnections
- LAN backbone and structured cabling systems
- Fiber distribution frames (ODF) and patch panels
- Telecommunication network interconnections
- FTTH / FTTB installations
- Industrial communication systems
- CCTV and security monitoring networks
- High-speed 10G Ethernet links
- Laboratory and medical optical systems
- Short to medium distance multimode fiber links