FiberLight

PN:FLPCO1DX-ST-000-ST-LS

Optical Fiber Patch Cord

TECHNICAL DATA SHEET

LSZH Fiber Optic Patch Cord MM (OM1) 50/125 ST-UPC/ST-UPC Duplex 3.0 mm

LSZH Fiber Optic Patch Cord MM (OM1) 50/125 (ST-UPC/ ST-UPC) Duplex 3.0 mm

Product Description:

The LSZH Fiber Optic Patch Cord Multimode OM1 (50/125 µm) ST-UPC to ST-UPC Duplex 3.0 mm is designed for short-distance optical communication in enterprise networks and structured cabling systems.

It uses ST connectors with a **bayonet twist-lock mechanism**, providing secure and stable mechanical coupling. The duplex structure supports simultaneous transmit and receive (Tx/Rx), making it suitable for Ethernet and LAN applications in legacy and industrial environments.

OM1 multimode fiber is optimized for LED-based transmission in short-range links.

Features:

- ST–ST secure twist-lock connection
- Duplex design for simultaneous Tx/Rx transmission
- OM1 multimode fiber for short-distance communication
- LSZH jacket for enhanced fire safety
- Stable optical performance and low insertion loss
- Durable 3.0 mm cable construction
- Suitable for legacy and industrial installations
- Easy installation and maintenance

Applications:

- LAN (Local Area Networks)
- Data centers (short-distance interconnects)
- Ethernet switches and routers
- Patch panels and network cabinets
- Building backbone cabling
- Enterprise structured cabling systems

Fiber Specifications:

Parameter	Value
Fiber Type	Multimode
Standard	OM1 (50/125 µm)
Operating Wavelength	850 nm / 1300 nm
Attenuation @850 nm	≤ 3.5 dB/km
Attenuation @1300 nm	≤ 1.0 dB/km
Bandwidth	200 MHz·km @850 nm
Mode Type	Graded-index multimode
Compatibility	Legacy multimode systems

Optical Performance:

Parameter	Value
Insertion Loss	≤ 0.3 dB
Return Loss	≥ 35 dB
Repeatability	≤ 0.1 dB
Durability	≥ 1000 mating cycles
Transmission Distance	Short-range applications

Environmental Conditions:

- Operating Temperature: -20°C to +70°C
- Storage Temperature: -25°C to +70°C
- Indoor use only