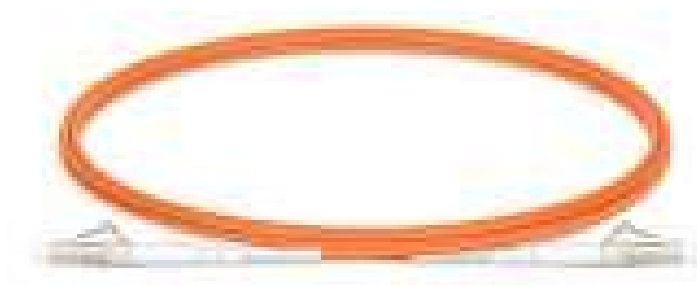


Optical Fiber Patch Cord

TECHNICAL DATA SHEET

LSZH Fiber Optic Patch Cord MM (OM2) 50/125 LC-UPC/LC-UPC Simplex 3.0 mm



LSZH Fiber Optic Patch Cord MM (OM2) 50/125 LC-UPC/LC-UPC Simplex 3.0 mm

Product Description:

The LSZH Fiber Optic Patch Cord Multimode OM2 (50/125 μm) with LC/UPC to LC/UPC connectors, in a simplex 3.0 mm construction, is designed for reliable optical connectivity in LAN, telecommunications, data communication, and fiber distribution networks.

It utilizes OM2 50/125 μm multimode optical fiber, providing reliable transmission performance for multimode optical networking applications. The LC/UPC connectors provide accurate fiber alignment, low insertion loss, and stable optical coupling.

The simplex construction contains one optical fiber, providing a single optical transmission path. The LSZH (Low Smoke Zero Halogen) jacket is suitable for indoor installations where reduced smoke and halogen emissions are required.

The 3.0 mm outer diameter provides good mechanical protection and durability for fiber patching and equipment interconnection.

Features:

- Multimode OM2 50/125 μm fiber
- LC/UPC to LC/UPC connector configuration
- Simplex, 1-fiber construction
- 3.0 mm outer diameter
- LSZH Low Smoke Zero Halogen jacket
- Low insertion loss
- High return loss
- High-precision ceramic ferrules



- Reliable and stable connector coupling
- Factory terminated and tested
- Suitable for indoor fiber optic installations
- Compatible with multimode optical networking equipment
- Suitable for high-density fiber installations

Fiber Specifications:

Specification	Value
Fiber Type	Multimode (MM)
Fiber Category	OM2
Fiber Size	50/125 μm
Core Diameter	50 μm
Cladding Diameter	125 μm
Fiber Count	1 Fiber
Configuration	Simplex
Operating Wavelengths	850 nm / 1300 nm
Attenuation @ 850 nm	≤ 3.5 dB/km
Attenuation @ 1300 nm	≤ 1.5 dB/km
Bandwidth @ 850 nm	≥ 500 MHz·km
Bandwidth @ 1300 nm	≥ 500 MHz·km
Fiber Standard	IEC 60793-2-10

Cable Specifications

Specification	Value
Cable Type	Simplex
Number of Fibers	1
Cable Diameter	3.0 mm
Jacket Material	LSZH
Jacket Type	Low Smoke Zero Halogen
Jacket Color	Orange
Strength Member	Aramid Yarn
Fiber Type	Multimode OM2
Fiber Size	50/125 μm

Connector Specifications

Specification	Side A	Side B
Connector Type	LC/UPC	LC/UPC
Polish Type	UPC	UPC
Ferrule	Ceramic	Ceramic
Configuration	Simplex	Simplex
Fiber Count	1	1

Optical Performance

Parameter	Specification
Insertion Loss	≤ 0.30 dB
Return Loss	≥ 35 dB
Connector Polish	UPC
Optical Testing	100% Factory Tested

Mechanical & Environmental Specifications

Parameter	Specification
Operating Temperature	-20°C to +60°C
Storage Temperature	-40°C to +85°C
Jacket Material	LSZH
Outer Diameter	3.0 mm
Cable Construction	Simplex
RoHS	Compliant

Applications

- LAN Networks
- Data Communication Networks
- Telecommunications
- Data Centers