

# Fiber Optic Patch Cord SM MM Duplex Simplex Jumper SC LC FC ST MPO Connector

These fiber optic patch cords are designed for reliable data transmission. They support both Single-Mode (SM) and Multi-Mode (MM) fiber types with various connector options.



## ADDITIONAL IMAGES



## Product Overview

### High-Performance Fiber Optic Patch Cords

These fiber optic patch cords are engineered for reliable data transmission in telecommunications, data centers, and high-bandwidth networking environments. Available in both Single-Mode (SM) and Multi-Mode (MM) configurations, they support a wide array of connector types including SC, LC, FC, ST, and MPO to suit diverse infrastructure needs. Designed with durability in mind, they feature multiple jacket material options and various cable structures to ensure optimal signal integrity and minimal insertion loss.

## Technical Specifications

### Structure Options

- Simplex
- Duplex
- Bunch type
- Ribbon type

### Jacket Materials

- OFNR
- LSZH
- OFNP

### Available Diameters

- 0.9mm
- 2.0mm
- 3.0mm

### Compatible Connectors

SC, LC, FC, ST, MPO, MU, MT-RJ, ESCON, E2000

### Fiber Types

Single-Mode (SM), Multi-Mode (MM)

## Performance Metrics

Characteristic	SM , MM			
Connector type	FC/SC/ST/LC/MU/MT-RJ/ESCON/E2000			
Diameter(mm)	0.9,2.0,3.0			
Polishing grade	SM PC	MM PC	UPC	APC
Insertion loss	≤0.3dB	≤0.4dB	≤0.2dB	≤0.3dB
Return loss		≥40dB	≥50dB	≥65dB
Interchangeability	≤0.2dB			
Repeatability	≤0.2dB			
Operation temperature	-40~+80°C			

Technical performance datasheet detailing insertion loss, return loss, and environmental tolerances.

## Performance Characteristics

Parameter	SM PC	MM PC	UPC	APC
Insertion Loss	≤0.3dB	≤0.4dB	≤0.2dB	≤0.3dB
Return Loss	-	≥40dB	≥50dB	≥65dB

## Operational Temperature

**-40 °C**  
Min Temp

**80 °C**  
Max Temp