

# MPO Fiber Patch cord 3.00mm OS2 SM B Type

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## Variants

F-F PIN-12 10M F-F PIN-12 5M F-T PIN 12 3M

## Details

### MPO Fiber Patch Cord 3.0mm OS2 Singlemode (SM)

#### Description

The MPO Fiber Patch Cord is designed for high-density fiber networks where space, speed, and reliability are critical. Built with precision-aligned MPO connectors, it offers low-loss performance for 10G/40G/100G/400G backbone and data center applications. The cable is 3.0 mm in diameter, suitable for routing in patch panels, enclosures, and MPO cassettes. Available in various lengths from 1 meter to 30 meters with 12- to 24-fiber configurations.

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#### Features

- 3.0 mm LSZH (Low Smoke Zero Halogen) outer jacket
  - Singlemode (OS2) fiber for long-distance transmission
  - Factory-terminated and tested for low insertion loss
  - Available in 12-fiber or 24-fiber MPO male (PIN) connectors
  - High-density and plug-and-play installation design
  - Polarity options: Type A, Type B, or Type C
  - High return loss and excellent durability for repetitive mating
  - Complies with IEC 61754-7 and TIA 604-5 MPO interface standards
  - Compatible with MPO/MTP adapters, cassettes, and modules
  - Lengths available: 1 m – 30 m (custom length on request)
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#### Specifications

Parameter	Description
Fiber Type	OS2 Singlemode (9/125 $\mu$ m)
Connector Type	MPO / MTP (Male PIN, 12 – 24 Fiber)

Parameter	Description
Polish Type	APC
Cable Diameter	3.0 mm
Insertion Loss (Typical)	? 0.35 dB
Return Loss	? 60 dB
Operating Wavelength	1310 nm / 1550 nm
Operating Temperature	-20 °C ~ +70 °C
Storage Temperature	-40 °C ~ +85 °C
Outer Jacket Material	LSZH / PVC (optional)
Color	Yellow (standard OS2 color)
Length Options	1 m – 30 m (custom available)

## Applications

- Data centers and high-density network systems
- Optical fiber management frames and racks
- 40G / 100G / 400G backbone cabling
- Telecom and enterprise fiber distribution
- Parallel optics and MPO cassettes interconnections