MPO Fiber Patch cord 3.00mm OS2 SM B Type

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.

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)

Specifications

Parameter	Description
Fiber Type	OS2 Singlemode (9/125 µm)
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