MPO Fiber Patch cord 3.00mm OS2 SM B Type

Variants

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

Details

MPO Fiber Patch Cord 3.0mm OS2 Singlemode (SM)

Description

Product Overview
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 provides low-loss performance for 10G/40G/100G/400G backbone and data center applications. The 3.0 mm cable diameter ensures easy routing in patch panels, enclosures, and MPO cassettes.

Key Features

Feature	Description
Cable Jacket	3.0 mm LSZH (Low Smoke Zero Halogen)
Fiber Type	Singlemode OS2 for long-distance transmission
Connector Type	MPO / MTP Male (PIN) – 12 or 24 fiber
Installation	Plug-and-play, high-density design
Polarity Options	Type A / Type B / Type C
Performance	Low insertion loss, high return loss, excellent durability

Standards	IEC 61754-7, TIA/EIA-604-5 compliant
Compatibility	Works with MPO/MTP adapters, cassettes, and modules
Length	1m – 30m (custom length available)

Technical Specifications

Parameter	Specification
Fiber Type	OS2 Singlemode (9/125 µm)
Connector Type	MPO / MTP (Male PIN, 12–24 Fiber)
Polish Type	APC
Cable Diameter	3.0 mm
Insertion Loss	? 0.35 dB (Typical)
Return Loss	? 60 dB
Operating Wavelength	1310 nm / 1550 nm
Operating Temperature	-20°C to +70°C
Storage Temperature	-40°C to +85°C
Outer Jacket	LSZH / PVC (optional)
Color	Yellow (standard for OS2)
Length Options	1m – 30m (custom available)

Applications

Usage Areas
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 cassette interconnections

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