



FIBERMANIA

Shenzhen FiberMania Technology Co., Ltd.
optical-fibercables.com

24 Fibers MPO Jumper with 0.35dB Max Insertion Loss and 150m at 850nm Reach for High-Speed Data Transmission

Our Product Introduction

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Basic Information

- Certification: RoHS, CE, ISO9001
- Minimum Order Quantity: 10
- Price: 3.2



Product Specification

- Connection Structure: MPO-MPO
- Material Shape: Round Wire
- Allowed Tensile Strength: <100N
- Core Type: Multicore
- Connector A: MPO Female
- Connector B: MPO Female
- Fiber Mode: OM4 50/125μm
- 40/100G Distance: 150m At 850nm
- 10G Distance: 400m At 850nm
- Minimum Bend Radius: 3.0mm
- Wavelength: 850/1300nm
- Attenuation At 850nm: ≤2.3dB/km
- Attenuation At 1300nm: ≤0.6dB/km
- Installation Tensile Load: 66N
- Tensile Strength: 80/240N



More Images



Product Description

MPO (Female) to MPO (Female) 1m (3ft) MPO Jumper, 24 Fibers, Multimode (OM3), LSZH, 0.35dB Max, Type A, Aqua

FiberMania supplies MTP® breakout cables in single-mode and multimode configurations with 12, 24, 48, and 72 fibers. These MTP® fiber cables split one 12-strand MTP® fiber optic cable into 12 individual SC cables. Available in both male and female styles with various lengths and fan tube diameters.

Key Features

- **High bandwidth and low loss:** Precision-polished fiber end faces with insertion loss $\leq 0.3\text{dB}$, ensuring 40G/100G/400G high-speed transmission
- **Durability and stability:** High-strength OM3 fiber with dust-proof buckle design, plug-in life >500 times
- **Plug and play:** Pre-terminated design saves 90% installation time
- **Flexible configuration:** Supports 12-core to 48-core customization with lengths from 0.5m to 50m

Specifications

Connector	MPO/MTP (Male/Female)
Fiber Mode	Multimode (OM3)
Insertion Loss	Typical $\leq 0.15\text{dB}$ (Elite), Max $\leq 0.35\text{dB}$ (Elite)
Return Loss	$\geq 60\text{dB}$, $\geq 65\text{dB}$ (Elite)
Durability	$\leq 0.2\text{dB}$ (1000 times mating)
Cable Jacket	LSZH
RoHS Compliance	Compliant

Applications

- Data distribution patch panels
- High-density networking environments
- Plenum spaces
- MPO/MTP adapter panel connections
- Active optical network transceiver control
- Optical fiber distribution systems

Quality Testing

- **IL and RL Testing:** Verifies insertion loss and return loss for stable signal transmission
- **3D Interferometer Testing:** Ensures proper connector parameters for successful connections
- **End-Face Inspection:** Examines connector end faces for scratches or contamination

Frequently Asked Questions

Q1: What is the warranty of FiberMania's fiber patch cord?

A: FiberMania warrants all fiber patch cords against defects in material and workmanship for five (5) years from date of supply. All cables are UL profiled and 100% tested.

Q2: Is it possible to customize our brand information on your fiber cable?

A: Yes, we can print your brand name onto our cable jacket (minimum 1KM total cable length required).

Q3: Can you do 3D interferometer test?

A: Yes, we perform 3D testing per customer request with pass rates over 90% (can achieve 100% when necessary).

Q4: What is your MOQ?

A: We only have MOQ for special customized cable orders (1km total length minimum).

Q5: Are free samples available?

A: Yes, we offer free samples for projects with total cost under \$50 USD.



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