

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

MPO-MPO Fiber Patch Cord with 40/100G Ethernet Distance 150m at 850nm and 400m at 850nm MPO Cable Assembly

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
- Fiber Mode: OM4 50/125μm
- 10G Ethernet Distance: 400m At 850nm
- 40/100G Ethernet Distance: 150m 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
- Insertion Loss: Typical≤0.30dB, Max≤0.75dB
- Return Loss: ≥50dB, ≥55dB(Elite)
- Durability: ≤0.2dB (1000 Times Mating)



More Images



Product Description

MPO-MPO Fiber Patch Cord 8/16/28/48/96 Cores Multimode OM3 50/125 10G

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



Key Features

- **High bandwidth and low loss:** Precision-polished fiber end faces with insertion loss ≤0.3dB, ensuring 40G/100G/400G high-speed transmission
- **Durability and stability:** High-strength OM3/OM4 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 96-core customization with lengths from 0.5m to 50m

Technical Specifications

Connector	MPO/MTP (Male/Female)
Fiber Mode	SM(OS2) MM(OM1/OM2/OM3/OM4/OM5)
Polishing Type	PC APC PC
Insertion Loss	Typical≤0.30dB Max≤0.75dB (Standard) Typical≤0.15dB Max≤0.35dB (Elite)
Return Loss	≥50dB (Standard) ≥55dB (Elite)
Repeatability	≤0.1dB
Durability	≤0.2dB (1000 times mating)
Fiber Count	8/12/24/48/72/96/144 Fibers
Cable Jacket	PVC/OFNR/OFNP/LSZH
RoHS Compliance	Compliant

Applications

- Data Distribution Patch Panels
- High-Density Networking Environments
- Plenum Spaces
- MPO/MTP Adapter Panel Integration
- Active Optical Network Transceiver Control
- Optical Fiber Distribution Systems

Our Advantages

- **Versatile Fiber Options:** Available in single-mode and multimode configurations
- **Multiple Fiber Counts:** 12, 24, 48, or 72 fibers to suit requirements
- **Breakout Design:** Splits one 12-strand MTP® cable into 12 individual SC cables
- **Fan-Out Styles:** Male and female configurations available
- **Customizable Lengths:** Various lengths and tube diameters for installation flexibility

Quality Testing

Our rigorous quality testing ensures reliable performance:

- **IL and RL Testing:** Verifies insertion loss and return loss for stable signal transmission
- **3D Interferometer Testing:** Ensures proper connector parameters for successful fiber connections

- **End-Face Inspection:** Examines connector end faces for scratches or contamination to ensure network reliability

Production Equipment

Certifications

Packaging & Shipping

Frequently Asked Questions

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

A: FiberMania warrants that all fiber patch cords supplied are free from defects in material and workmanship for a period of five (5) years from the date of supply. All fiber optic bulk cables are UL profiled and every single cable is 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 and 1KM total cable length is requested.

Q3: Can you do 3D interferometer test?

A: Yes, we do the 3D test per our customer's request, we can have the pass rate over 90% and even 100% if necessary.

Q4: What is your MOQ of your products?

A: We only have MOQ for some special customized cable order, we request 1km as the total length of the bulk cable, you may consider stock the bulk cable with us for your urgent order production.

Q5: Are free samples available from you?

A: Yes, we are always happy to offer the free samples for all of our customers' projects provided that the total cost is under 50 US dollars.



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