



FIBERMANIA

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

12 Fibers Multimode OM4 MTP Jumper with 0.35dB Max 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 850nm: ≤2.3dB/km
- Attenuation 1300nm: ≤0.6dB/km
- Installation Tensile Load: 66N
- Tensile Strength: 80/240N



More Images



Product Description

MTP (Female) to MTP (Female) Jumper, 12 Fibers, Multimode (OM4), Plenum (OFNP), 0.35dB Max, Type B, Magenta

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. Available in both male and female styles with various lengths and fan tube diameters.



MTP/MPO Cable Assemblies, also known as MTP® Breakout Fiber, are designed for data distribution patch panels, including plenum applications.

Key Features

- High Bandwidth & Low Loss:** Precision-polished fiber end faces with insertion loss ≤0.3dB, supporting 40G/100G/400G high-speed transmission.
- Durability & Stability:** High-strength OM3/OM4 fiber with dust-proof buckle design, anti-bending, anti-interference, and plug-in life >500 times.
- Plug and Play:** Pre-terminated design eliminates on-site splicing, saving 90% installation time and reducing labor costs.
- Flexible Configuration:** Supports 12-core/24-core/48-core customization with lengths from 0.5m to 50m, compatible with MTP/MPO interfaces.

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

Quality Testing



- IL and RL Testing:** Verifies insertion loss and return loss for stable signal transmission.
- 3D Interferometer Testing:** Ensures apex offset, radius of curvature, and fiber height meet specifications.



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

Frequently Asked Questions

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

A: FiberMania warrants that all fiber patch cords are free from defects in material and workmanship for five (5) years from the 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 with a minimum order of 1KM total cable length.

Q3: Can you do 3D interferometer test?

A: Yes, we perform 3D testing per customer request with pass rates over 90% (up to 100% when required).

Q4: What is your MOQ of your products?

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

Q5: Are free samples available from you?

A: Yes, we provide free samples for customer projects when the total cost is under \$50 USD.



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