

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

High Performance MPO Trunk Cable with 0.35dB Max Loss 150m at 850nm and 400m at 850nm for Data Centers

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
- 40G Ethernet Distance: 150m At 850nm
- 10G Ethernet Distance: 400m At 850nm
- Glass Fiber: Corning ClearCurve®
- 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)



More Images



Product Description

High Quality MPO Trunk Cables 12 Fibers MM OM3 OM4 Plenum (OFNP), 0.35dB Max, Type B, Aqua

FiberMania Cable supplies MTP® breakout cables in single-mode and multimode, employing 12, 24, 48, and 72 fibers. The MTP® fiber cable splits one 12 strand MTP® fiber optic cable into 12 individual SC cables. Fan-out style MTP® cable is available in both male and female styles, varying in length and by the diameter of the fan tube.



MTP/MPO Cable Assemblies, commonly recognized as MTP® Breakout Fiber as well, are primarily utilized for data distribution patch panels, including plenum applications.

Key Features

- **MPO trunk patch cord** can connect multi-core optical fibers and can be used with 12F/24F/48F/72F jumpers.
- **High bandwidth and low loss:** Using precision-polished fiber end faces, insertion loss $\leq 0.3\text{dB}$, ensuring 40G/100G/400G high-speed transmission without delay.
- **Durability and stability:** High-strength OM3/OM4 fiber + dust-proof buckle design, anti-bending, anti-interference, plug-in life > 500 times.
- **Plug and play:** Pre-terminated design, no need for on-site splicing, fast deployment saves 90% installation time.
- **Flexible configuration:** Supports 12-core/24-core/48-core customization, optional length 0.5m~50m.

Specifications

Connector	MPO/MTP(Male/Female)
Fiber Mode	SM(OS2) mm(OM1/OM2/OM3/OM4/OM5)
Polishing Type	PC APC PC
Insertion Loss	Typical $\leq 0.30\text{dB}$ Max $\leq 0.75\text{dB}$ Typical $\leq 0.15\text{dB}$ (Elite) Max $\leq 0.35\text{dB}$ (Elite)
Return Loss	$\geq 50\text{dB}$ $\geq 55\text{dB}$ (Elite) $\geq 60\text{dB}$ $\geq 65\text{dB}$ (Elite) $\geq 35\text{dB}$
Repeatability	$\leq 0.1\text{dB}$
Durability	$\leq 0.2\text{dB}$ (1000 times mating)
Fiber Count	8/12/24/48/72/96/144 Fibers
Cable Jacket	PVC/OFNR/OFNP/LSZH
RoHS Compliancy Status	Compliant

Applications & Features

- Data Distribution Patch Panels
- High-Density Networking Environments
- Plenum Spaces
- Used with MPO/MTP adapter panel
- Active optical network transceiver control
- Optical fiber distribution system

Our Advantages

- **Versatile Fiber Options:** Available in single-mode and multimode configurations.
- **Multiple Fiber Counts:** Choose from 12, 24, 48, or 72 fibers to suit your requirements.
- **Breakout Design:** Each assembly splits one 12-strand MTP® fiber optic cable into 12 individual SC cables.
- **Fan-Out Styles:** Available in both male and female configurations.
- **Customizable Lengths:** Select from a variety of lengths and tube diameters.

Our products' reliability and stability have been highly recognized by many European and American customers for many years. We have established close, long-term mutually beneficial cooperation relationships with our customers through technology exchange and research and development.

Quality Testing Program

- **IL and RL Testing:** Conduct testing on the insertion loss and return loss of cables to verify their reach and ensure stable signal transmission.
- **3D Interferometer Testing:** Evaluate the connectors or ferrules of cables to verify that the apex offset, radius of curvature, and fiber height are within specified parameters.

- **End-Face Inspection:** Examine the connector end face for any scratches, defects, or contamination to ensure the tips remain clean.

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.

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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