



FIBERMANIA

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

MTP Trunk Cable Assembly MPO Trunk Patch Cord with 0.35dB Max Loss 12/24/48/72 Fibers for 40/100G Ethernet Distance

Our Product Introduction

for more products please visit us on optical-fibercables.com

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

MTP Male to MTP Male Trunk Cable Assembly MM OM1 Plenum (OFNP), 0.35dB Max, Type B, Orange

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.

MPO trunk patch cord can connect multi-core optical fibers and can be used with 12F/24F/48F/72F jumpers.

Key Features

- **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 Compliance Status	Compliant

Applications

- 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.
- **Breakout Design:** Splits one 12-strand MTP® cable into 12 individual SC cables.
- **Fan-Out Styles:** Available in both male and female configurations.
- **Customizable Lengths:** Various lengths and tube diameters available.

Quality Testing Program

- **IL and RL Testing:** Conduct testing on insertion loss and return loss to verify reach and ensure stable signal

transmission.

- **3D Interferometer Testing:** Evaluate connectors to verify apex offset, radius of curvature, and fiber height.

- **End-Face Inspection:** Examine connector end face for scratches or contamination to ensure clean tips and 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.

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.



FIBERMANIA Shenzhen FiberMania Technology Co., Ltd.



17704025189



sales@fiber-mania.com



optical-fibercables.com

3F, Building A2, Yinlong Industrial Park, Longdong, Longgang District, Shenzhen, China, 518116