



FIBERMANIA

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

MTP Trunk Cable Assembly 2M Length with Corning ClearCurve for High Bandwidth 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: 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 Male to MTP Female Trunk Cable Assembly 12 Fibers Polarity A OM4 50/125 40G/100G 2M

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

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, compatible with MTP/MPO multiple 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 $\leq 0.30\text{dB}$ Max $\leq 0.75\text{dB}$ Typical $\leq 0.15\text{dB}$ (Elite) Max $\leq 0.35\text{dB}$ (Elite) Typical $\leq 0.50\text{dB}$ Max $\leq 0.25\text{dB}$ Typical $\leq 0.10\text{dB}$ (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 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.

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 clean tips and enhance communication quality.

Production Equipment

Certifications

FAQ

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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