MPO Trunk Cable Female to Female Single Mode (OS2) with 12/24/48/72 Fibers and 0.35dB Max Low Loss

Our Product Introduction

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
- 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

More Images

Our Product Introduction

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Product Description

MPO Female to MPO Female Trunk Cable Assembly Single Mode (OS2), Plenum (OFNP), 0.35dB Max, Yellow

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. Explore our MTP/MPO Cable Assemblies, ideal for data distribution.

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 ≤0.3dB, ensuring 40G/100G/400G high-speed transmission without delay, meeting the demanding needs of data centers.

Durability and stability: High-strength OM3/OM4 fiber + dust-proof buckle design, anti-bending, anti-interference, plug-in life>500 times, long-term use performance without degradation.

Plug and play: Pre-terminated design, no need for on-site splicing, fast deployment saves 90% installation time, and greatly reduces labor costs.

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≤0.30dB Max≤0.75dB Typical≤0.15dB (Elite) Max≤0.35dB (Elite) | Typical≤0.50dB Max≤0.25dB Typical≤0.10dB (Elite) Max≤0.35dB (Elite)
Return Loss	≥50dB ≥55dB(Elite) | ≥60dB ≥65dB(Elite) | ≥35dB
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 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, enhancing connectivity options.

Fan-Out Styles: Available in both male and female configurations, ensuring compatibility with various setups.

Customizable Lengths: Select from a variety of lengths and tube diameters for optimal installation flexibility.

As our products reliability and stability, we has been highly recognized by many European and American customers for many years. We have helped our customers to solve many technical problems so we have established a close and long-term mutual beneficial cooperation relationship with our customers, exchange of technology and research and development, which enable us to be a professional provider in the MPO trunk patch cord.

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 the specified parameters, ensuring a successful connection of fiber optic lines.

End-Face Inspection

Examine the connector end face for any scratches, defects, or contamination to ensure the tips remain clean. This practice enhances communication quality and reliability, thereby contributing to network uptime.

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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