



FIBERMANIA

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

市光通信技术有限公司

Customized 8/16/28/48/96 Cores MPO Trunk Cable with 100N<1000N Tensile Strength and 100(N/100mm)<1000(N/100mm) Lateral Pressure

Our Product Introduction

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

Basic Information

- Certification: RoHS, CE, ISO9001
- Minimum Order Quantity: 10
- Price: 3.8



Product Specification

- Connection Structure: MPO To MPO
- Material Shape: Round Wire
- Allowed Lateral Pressure: 100(N/100mm)<1000(N/100mm)
- Allowed Tensile Strength: 100N<1000N
- Sheath Material: PVC/LSZH
- Connector Type: MPO/MTP
- Fiber Mode: OM3/OM4
- Fiber Count: 12 Fibers
- Polarity: Type A Or B
- Wavelength: 850nm/1300nm
- Cable Diameter: 3.0mm
- Insertion Loss: $\leq 0.6\text{dB}$
- Return Loss: $\geq 20\text{dB}$
- Attenuation 850nm: $\leq 2.3\text{dB/km}$
- Attenuation 1300nm: $\leq 0.6\text{dB/km}$



More Images



Product Description

Customized OM3 OM4 Male Female MPO Trunk 8/16/28/48/96 Cores Fiber Patch Cable

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

Key Features

- 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:** 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 various lengths and tube diameters

Applications

- Data Distribution Patch Panels
- High-Density Networking Environments
- Plenum Spaces

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

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. This practice enhances communication quality and reliability, thereby contributing to network uptime.

Production Equipment

Packaging & Shipping

Why Choose FiberMania?

Our MTP/MPO Cable Assemblies are manufactured to the highest standards, ensuring durability and exceptional performance. With a commitment to quality and customer satisfaction, FiberMania is your trusted partner for fiber optic solutions.

Shop Now