



FIBERMANIA

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

MTP to LC MPO Fanout Cable with Corning ClearCurve Fiber and Plug and Play Ready for High Performance

Our Product Introduction

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Basic Information

- Certification: RoHS, CE, ISO9001
- Minimum Order Quantity: 10
- Price: 27



Product Specification

- Connection Structure: MTP To LC
- Material Shape: Round Wire
- Allowed Tensile Strength: <100N
- Core: Multicore
- Connector A: US Conec MTP® Male (Pinned)
- Connector B: LC UPC
- Fiber Count: 12 Fibers
- Fiber Mode: OM4
- Wavelength: 850/1300nm
- Glass Fiber: Corning ClearCurve®
- MTP Connector IL: 0.35dB Max (0.15dB Typ.)
- LC Connector IL: ≤0.2dB
- MTP Connector RL: ≥20dB
- LC Connector RL: ≥30dB
- Attenuation At 850nm: ≤2.3dB/km



More Images



Product Description

MPO LC/SC/ST/FC 0.9mm 12-24core Fanout Fiber Optic Cable

MTP/MPO Cable Assemblies, commonly recognized as MTP® Breakout Fiber, are primarily utilized for data distribution patch panels including plenum applications. Available in single-mode and multimode configurations with 12, 24, 48, and 72 fiber counts, these assemblies split one 12-strand MTP® fiber optic cable into 12 individual SC cables. Fan-out style MTP® cables are available in both male and female styles with various lengths and fan tube diameters.

Key Features

- Available in various fiber counts
- Excellent exchangeability
- Plug and Play ready
- Compliant with Telcordia GR-1435-CORE standard

Applications

- Data center infrastructure
- Telecommunication networks
- High density cross-connects
- Optical switch inter-frame connections

Technical Specifications

Connector	MPO/MTP(Male/Female)	LC/SC/FC/ST
Fiber Mode	SM(OS2) MM(OM1/OM2/OM3/OM4/OM5)	SM(OS2) MM(OM1/OM2/OM3/OM4/OM5)
Polishing Type	PC APC PC	UPC APC UPC
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)
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 Procedures

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, ensuring successful fiber optic connections.

End-Face Inspection

Examine the connector end face for scratches, defects, or contamination to ensure clean tips, enhancing communication quality and reliability while contributing to network uptime.

MPO LC/SC/ST/FC 0.9mm 12-24core Fanout Fiber Optic Cable product image

Close-up of MPO fiber optic cable connectors

Fiber optic cable end-face inspection process

Production Equipment

Fiber optic cable production equipment

Manufacturing process for fiber optic cables
Quality control in fiber optic production
Fiber optic cable testing equipment
Automated fiber optic assembly line
Precision tools for fiber optic manufacturing

Packaging & Shipping

Packaged fiber optic cables ready for shipping
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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 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 with a minimum order of 1KM total cable length.

Q3: Can you do 3D interferometer test?

A: Yes, we perform 3D testing per customer request, typically achieving pass rates over 90% and up to 100% when required.

Q4: What is your MOQ of your products?

A: We only have minimum order quantities for special customized cable orders, requiring 1km as the total length of bulk cable.

Q5: Are free samples available from you?

A: Yes, we offer free samples for customer projects when the total cost is under \$50 USD.

Q6: Do you accept OEM and ODM orders?

A: Absolutely. We provide comprehensive OEM services including custom labeling, printing, packaging design, and can develop new tooling for specific projects.



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