MPO Patch Cord MTP to LC Cable with 12 Core Ribbon Fiber 0.9mm Cable and 12 Color Fanout

Our Product Introduction

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 Type: Multicore
- Connector A: US Conec MTP® Male (Pinned)
- Connector B: LC UPC
- Fiber Count: 12 Fibers
- Fiber Mode: OM3
- Wavelength: 850/1300nm
- Glass Fiber: Corning ClearCurve®
- MTP Insertion Loss: 0.35dB Max (0.15dB Typ.)
- LC Insertion Loss: ≤0.2dB
- MTP Return Loss: ≥20dB
- LC Return Loss: ≥30dB
- Attenuation At 850nm: ≤2.3dB/km

More Images

Product Description

MPO MTP to LC 12 Core Ribbon Fiber 0.9mm Cable 12 Color Fanout Patch Cord

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

Key Features

- Various fiber counts available
- Excellent exchangeability
- Plug and Play Ready
- Telcordia GR-1435-CORE compliant

Applications

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

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	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	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 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

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.

Q6: Do you accept OEM and ODM orders?

A: Absolutely yes, we have been doing OEM services since we start in this business, and for every single label, printing, bag and carton design, we always treat it seriously and do it nicely. Our engineers can help you with your current design and even can open the new tooling for your specific project.

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