1U 19 Inch 96 Cores MTP-12 Male MPO Patch Panel for High Density Fiber Optic Networks

Our Product Introduction

Basic Information

- Certification: ISO, RoHS
- Minimum Order Quantity: 5
- Price: 35

Product Specification

- Fiber Count: Max. 120 Fibers
- Material: 1.2mm SPCC (Black Coating)
- Fiber Mode: Om3 50/125μm
- Front Adapter: LC Duplex
- Rear Adapter: MTP-12 Male (Pinned)
- Insertion Loss: MTP≤0.75dB, LC≤0.2dB
- Return Loss: MTP≥60dB, LC≥50dB
- Dimensions: 44.5 X 432 X 356mm
- Operating Temperature: -25ºC~+70ºC
- Storage Temperature: -25ºC~+70ºC
- Relative Humidity: ≤85%(+30ºC)
- Air Pressure: 70Kpa~106Kpa
- Production Capacity: 10,000 Pieces Per Month
- Transport Package: Inner Box Into Carton
- Color: Black

More Images

Our Product Introduction

Product Description

Fiber Cabling System 1U 19 Inch 96 Cores MTP MPO Optical Fiber Optic Patch Panel

The MPO-LC Type Distribution Box aligns with high-density, high-capacity network development trends. It converts MPO interface multi-channel signals to LC type interface through a modular box encapsulation structure. Designed for 19-inch standard distribution boxes, network cabinets, and open frames, this solution features compact structure, high density, and convenient operation. Constructed from high-quality cold-rolled sheet material with electrostatic spray treatment for uniform color and durability.

Key Features

- Compatible with 19-inch standard frames
- Supports both ribbon and single fiber configurations
- Space-saving compact design
- Front plate marking for easy identification and operation
- Standard size with lightweight, rational structure
- Simplified management and operation
- Modular design for multiple module box applications
- Converts MPO ribbon multi-core fiber to multiple LC interfaces

Applications

- Telecommunications subscriber loops
- Fiber to the home (FTTH)
- LAN/WAN networks
- CATV systems

Technical Specifications

Parameter	Value
Operating temperature	-25ºC to +70ºC
Storage temperature	-25ºC to +70ºC
Relative humidity	≤85% (+30ºC)
Air pressure	70Kpa to 106Kpa
Color	Black

Quality Assurance

IL and RL Testing

Comprehensive insertion loss and return loss testing ensures cable reach and stable signal transmission performance.

3D Interferometer Testing

Precision evaluation of connectors and ferrules verifies apex offset, radius of curvature, and fiber height meet specifications for optimal fiber optic line connections.

End-Face Inspection

Rigorous connector end-face examination detects scratches, defects, or contamination to maintain clean tips, enhancing communication quality and network reliability.

Production Facilities

Packaging & Shipping

Frequently Asked Questions

What is the warranty of FiberMania's fiber patch cord?

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.

Is it possible to customize our brand information on your fiber cable?

Yes, we can print your brand name onto our cable jacket. A minimum of 1KM total cable length is required for customization.

Can you do 3D interferometer test?

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

What is your MOQ for products?

We only enforce minimum order quantities for special customized cable orders, requiring 1km as the total length of bulk cable. Customers may consider stocking bulk cable with us for urgent order production.

Are free samples available?

Yes, we provide free samples for customer projects when the total cost is under $50 USD.

FIBERMANIA **Shenzhen FiberMania Technology Co., Ltd.**

17704025189 sales@fiber-mania.com optical-fibercables.com

3F, Building A2, Yinlong Industrial Park, Longdong, Longgang District, Shenzhen, China, 518116