

MTRJ/PC to MTRJ/PC Duplex OS2 Single Mode Fiber Optic Patch Cable - Yellow with 3.0mm

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Fiber-Mania
- Model Number: MJMJ-SM023RYL01
- Minimum Order Quantity: 1
- Packaging Details: Standard Box
- Delivery Time: 3-7 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 300,000 pieces



Product Specification

- Fiber Quality: 2 / 4 / 6 / 8 / 12
- Cable Structure: Round
- Insertion Loss: $\leq 0.2\text{dB}$
- Cable Type: Single-mode Or Multi-mode
- Material: Fiber
- Operating Temperature: -40°C To $+70^{\circ}\text{C}$
- Return Loss: $\geq 45\text{dB}$
- Armord: Yes
- Cable Diameter: 2.0mm, 3.0mm, 5.0mm, Etc.
- Fiber Brand: Yofc/Ofs/Corning
- Tensile Strength: 100N, 200N, 500N, Etc.
- Highlight: **MTRJ/PC duplex fiber optic cable, OS2 single mode patch cable, 3.0mm yellow fiber optic cable**

Product Description

The **1M MTRJ/PC to MTRJ/PC duplex single mode fiber optic patch cable** is engineered for **high-density and space-saving network environments**. Featuring **OS2 9/125µm single mode fiber**, it ensures **low insertion loss, high performance over long distances**, and excellent reliability for modern telecommunications and data networks. Equipped with **MTRJ/PC duplex connectors** on both ends, this cable supports **bi-directional transmission** through its dual-fiber design, allowing two channels to run simultaneously in a single, compact connector. The **3.0mm OFNR-rated yellow jacket** provides flame resistance and mechanical protection, making it suitable for vertical riser installations and demanding network environments. Ideal for **data centers, enterprise networks, FTTx deployments, and OEM/ODM projects** this patch cable is available in standard or customized lengths, with optional jacket materials (OFNR, OFNP, LSZH) to meet different regulatory and environmental requirements.



Key Features

- MTRJ/PC to MTRJ/PC connectors** for high-density duplex connections
- OS2 9/125µm single mode fiber** for long-distance, low-loss performance
- Duplex structure** enables bi-directional communication in one compact connector
- 3.0mm OFNR jacket** ensures flame resistance and mechanical durability
- Compact design** saves space in patch panels and telecom racks
- Compliant with UL, CE, ISO, and RoHS** standards for safety and reliability
- Custom options available**, including length, jacket type (OFNR, OFNP, LSZH), and connector configuration

Technical Specifications

Parameter	Specification
Connector Type	MTRJ/PC to MTRJ/PC (customizable)
Fiber Type	Single Mode OS2 9/125 µm
Fiber Count	Duplex
Core Size	9 µm (9/125)
Cable Diameter	3.0 mm
Cable Length	1 Meter (custom lengths available)
Jacket Material	OFNR (optional OFNP or LSZH)
Color	Yellow
Standards	ISO

Applications

- High-density **data centers** and **enterprise network** environments
- FTTx deployments**, including FTTH, FTTB, and FTTC
- Compact patch panels and **space-limited telecom installations**
- OEM/ODM projects** requiring tailored fiber lengths or connectors
- Long-distance single mode optical transmission** applications



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