



FIBERMANIA

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

## MTRJ To LC OM1 Mode Conditioning OFNR Fiber Optic Patch Cable Orange

Our Product Introduction

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### Basic Information

- Place of Origin: Shen, China
- Brand Name: FIBERMANIA
- Certification: ISO, UL, CE, RoHS
- Model Number: MCC-MJLCM1-3
- Minimum Order Quantity: 10 Pieces
- Price: Negotiable
- Packaging Details: PE bag or OEM service optional
- Delivery Time: 5-8 working days
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 1000 Pieces



### Product Specification

- Type: Mode Conditioning
- Application: Communication
- Connector A: MTRJ/PC Duplex
- Connector B: LC/UPC Duplex
- Fiber Mode: 9/125μm And 62.5/125μm
- Cable (OD): 2.0mm
- Cable Jacket: Orange
- Jacket Color: OFNR
- Insertion Loss:  $\leq 0.3\text{dB}@1310\text{nm}$
- Return Loss:  $>55\text{dB}$  (SM Connector)
- Highlight: **OFNR Fiber Optic Patch Cable,  
MTRJ To LC Fiber Optic Cable,  
OM1 Fiber Optic Patch Cable**



## Product Description

### MTRJ To LC OM1 Mode Conditioning OFNR Fiber Optic Patch Cable Orange

Mode Conditioning Fiber Optic Patch Cable is a specially designed fiber optic jumper mainly used to solve the problems caused by the propagation of different modes of optical signals in optical fibers, especially in high-speed network systems. It is commonly used for connecting single-mode optical fibers and multi-mode optical fibers. This mode conditioning fiber optic patch cable is terminated with MTRJ connector on one end, and on the other end terminated with a multimode LC connector and a singlemode LC connector. And mode conditioning fiber optic patch cables are used specifically in Gigabit Ethernet 1000BASE-LX/LH applications where the objective is deploying new high-speed 1000BASE-LX routers, switches, or transceivers within existing multimode system backbones.

#### Applications

1. High bandwidth application
2. Data center
3. Long distance fiber optic communication

#### Features

1. Gigabit Ethernet 1000Base-LX (1300nm Wavelength)
2. Eliminates issues related to Differential Mode Delay (DMD)
3. Great for cable runs over 50ft
4. Can be used in Long and Short Haul LX Gigabit Systems
5. IEEE 802.3z Compliant
6. Low Insertion Loss (<0.2dB)
7. PVC Jacket

#### Specifications

Characteristics	Standard Fiber Cable Assemblies
Connector Type	MTRJ to LC
Polish Type	PC to UPC
Ferrule Materials	Zirconia Ceramic
Fiber Type	SM/MM
Testing Wavelength	1300/1310nm
Min. Bend Radius(Fiber Core)	15mm
Min. Bend Radius(Fiber Cable)	20/10D (Dynamic/Static)
Exchangeability	≤0.2dB
Insertion Loss(dB)	≤0.2dB(PC/UPC)
Return Loss(dB)	MM≥35dB(PC/UPC); SM≥55dB(PC/UPC)
Polarity	A (Tx) to B (Rx)
Operating Temp. (C)	-20°C ~+70°C
Storage Temp. (°C)	-40°C ~ +85°C

#### FAQ

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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