

MPO w/o pins to MPO w/o pins, 12 Fiber Ribbon,  
OM1 62.5/125 Multimode, OFNR Jacket, Orange, 10 Meter



## MTPF12-10

### Features

- High-density 2.5\*4.8mm ribbon fiber construction
- Precision-aligned MPO connectors
- Optimized for parallel optics
- Robust ribbon cable jacket

### Applications

- Switch-to-switch and switch-to-server interconnects
- MPO trunk extensions and cross-connects
- Parallel optical transceivers (QSFP+, QSFP28, QSFP56)
- High-density patch panels and fiber distribution frames
- Enterprise, colocation, and hyperscale data centers

### Description

L-com's MTPF12-10 is a fiber optic patch cable assembly that is suitable for switch-to-switch and switch-to-server interconnects, MPO trunk extensions and cross-connects, parallel optical transceivers (QSFP+, QSFP28, QSFP56), high-density patch panels and fiber distribution frames, enterprise, colocation, and hyperscale data center applications. This orange fiber optic cable is equipped with 12 fiber MPO (w/o pins) to MPO (w/o pins) connectors. This fiber optic cable assembly is available in a length of 10 meters and has a cable diameter of 4.8 mm.

This MPO (w/o pins) female to MPO (w/o pins) female patch cable comes with a multimode OM1 fiber and has a fiber diameter of 62.5/125  $\mu$ m. The MTPF12-10 fiber optic patch cable from L-com features an OFNR-rated jacket and can operate at temperatures ranging from -40 to 75 degrees C. Additional dimensions, specifications, and CAD drawings for this patch cable can be found on its downloadable PDF datasheet.

L-com has one of the largest in-stock selections of fiber optic patch cables for international and domestic orders. Make your online purchase right now to take advantage of our same-business-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal multimode OM1 fiber optic cable for your requirements.

### Configuration

|                     |                   |
|---------------------|-------------------|
| Function            | Patch             |
| Cable Type          | Base-12 Multimode |
| Mode                | Multimode         |
| Mode Class          | OM1               |
| Fiber Diameter      | 62.5/125 $\mu$ m  |
| Connection 1 Type   | MPO (w/o pins)    |
| Connection 1 Gender | Female            |
| Connection 1 Polish | UPC               |
| Connection 2 Type   | MPO (w/o pins)    |
| Connection 2 Gender | Female            |
| Connection 2 Polish | UPC               |
| Cable Color         | Orange            |

### Optical Specifications

| Description       | Minimum | Typical | Maximum | Units |
|-------------------|---------|---------|---------|-------|
| Return Loss - MPO | 20      |         |         | dB    |

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### Optical Specifications

| Description          | Minimum | Typical | Maximum | Units |
|----------------------|---------|---------|---------|-------|
| Insertion Loss - MPO |         |         | 0.75    | dB    |

### Mechanical Specifications

#### Cable Assembly

|                |                  |
|----------------|------------------|
| Length         | 10 m [393.70 in] |
| Width/Diameter | 4.8 mm           |

#### Cable

|                                            |        |
|--------------------------------------------|--------|
| Cable Type                                 | Patch  |
| Polarity                                   | Type A |
| Static Bend Radius                         | 25 mm  |
| Dynamic Bend Radius                        | 50 mm  |
| Max Crush Resistance, Short Term (N/100mm) | 500    |
| Max Crush Resistance, Long Term (N/100mm)  | 100    |

### Connectors

| Description      | Connector 1           | Connector 2           |
|------------------|-----------------------|-----------------------|
| Type             | MPO (w/o pins) Female | MPO (w/o pins) Female |
| Configuration    | Straight              | Straight              |
| Connector Polish | UPC                   | UPC                   |

### Environmental Specifications

|                                |                  |
|--------------------------------|------------------|
| Operating Range Temperature    | -40 to +75 deg C |
| Ingress Protection (IP) Rating | Non-Rated        |

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

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## MTPF12-10

### Typical Performance Data

### How to Order

Part Number Configuration:

**MTPF12**

**-XX**

**UU**

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: MTPF12-12 = 12 meters long cable  
MTPF12-10F = 10 feet long cable

MPO w/o pins to MPO w/o pins, 12 Fiber Ribbon, OM1 62.5/125 Multimode, OFNR Jacket, Orange, 10 Meter from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/fiber-optic-mpo-w-o-pins-to-mpo-w-o-pins-12-fiber-ribbon-om1-625-125-multimode-ofnr-jacket-orange-100m>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

MTPF12-10 CAD Drawing

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