

MPO w/ pins to MPO w/ pins, 12 Fiber Ribbon, OM4 100G
50/125 Multimode, LSZH Jacket, Aqua, 1 Meter



MPMM12OM4-1

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 MPMM12OM4-1 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 aqua blue fiber optic cable is equipped with 12 fiber MPO (w/ pins) to MPO (w/ pins) connectors. This fiber optic cable assembly is available in a length of 1 meter and has a cable diameter of 4.8 mm.

This MPO (w/ pins) male to MPO (w/ pins) male patch cable comes with a multimode OM4 fiber and has a fiber diameter of 50/125 μm . The MPMM12OM4-1 fiber optic patch cable from L-com features an LSZH-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 OM4 fiber optic cable for your requirements.

Configuration

Function	Patch
Cable Type	Base-12 Multimode
Mode	Multimode
Mode Class	OM4
Fiber Diameter	50/125 μm
Connection 1 Type	MPO (w/ pins)
Connection 1 Gender	Male
Connection 1 Polish	UPC
Connection 2 Type	MPO (w/ pins)
Connection 2 Gender	Male
Connection 2 Polish	UPC
Cable Color	Aqua Blue

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss - MPO	20			dB
Insertion Loss - MPO			0.75	dB

Mechanical Specifications

Cable Assembly	
Length	1 m [39.30 in]

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Width/Diameter	4.8 mm
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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/ pins) Male	MPO (w/ pins) Male
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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MPMM12OM4-1

Typical Performance Data

How to Order

Part Number Configuration:

MPMM12OM4

-XX

UU

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: MPMM12OM4-12 = 12 meters long cable
MPMM12OM4-10F = 10 feet long cable

MPO w/ pins to MPO w/ pins, 12 Fiber Ribbon, OM4 100G 50/125 Multimode, LSZH Jacket, Aqua, 1 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-pins-to-mpo-w-pins-12-fiber-ribbon-om4-100g-50-125-multimode-lszh-jacket-aqua-10m>

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.

MPMM12OM4-1 CAD Drawing

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