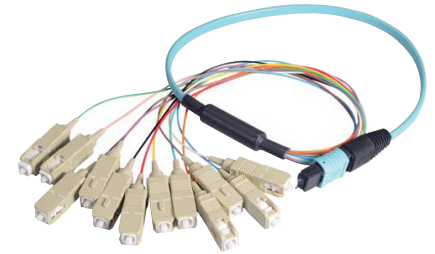


## MPO Male to 12x SC Fan-out, 12 Fiber Ribbon, OM4 100G 50/125 Multimode, LSZH Jacket, Aqua, 0.5 Meter



### MPM12OM4-SC-05

#### Features

- High-density 2.5\*4.8mm ribbon construction
- Simplified cable management
- Improved airflow and space utilization
- Color-coded fibers and legs
- Robust ribbon cable jacket

#### Applications

- Data Centers & Enterprise Networks
- CWDM / DWDM & Transport Networks
- Telecommunications & Carrier Networks
- High-Performance Computing (HPC) & AI Networks
- Industrial & OEM Systems

#### Description

The MPM12OM4-SC-05 from L-com is a fan-out cable assembly that comes with an MPO (w/ pins) to SC connector configuration. This fiber optic cable features an LSZH-rated jacket and has a cable diameter of 4.8 mm. Our fan-out cable is suitable for applications such as data centers and enterprise networks, CWDM/DWDM and transport networks, telecommunications and carrier networks, high-performance computing (HPC) and AI networks, and industrial and OEM systems. This aqua blue fiber optic cable assembly is available in a length of 0.5 meters and can withstand temperatures ranging from -40 to 75 degrees C.

Our MPO (w/ pins) male to 12x SC cable comes with a multimode OM4 fiber and has a fiber diameter of 50/125  $\mu$ m. L-com's MPM12OM4-SC-05 fan-out cable assembly has a breakout diameter of 0.9 mm and is ideal for making connections within rack-mounted or wall-mounted fiber enclosures. Our fiber optic cable assembly can be customized in different lengths to fit specific installation needs, ensuring efficient network management in high-density setups without compromising delivery time or quality. Additional dimensions, specifications, and CAD drawings for this fiber cable can be found on its downloadable PDF datasheet.

L-com has one of the largest in-stock selections of fiber optic cable assemblies for international and domestic orders. Make your online purchase right now to take advantage of our same-business-day shipping. We are committed to delivering excellent service to support our customers in maintaining the continuity and reliability of their networks. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal multimode OM4 fan-out cable for your requirements.

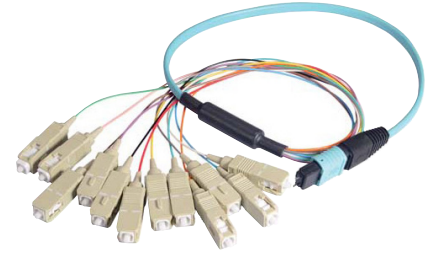
#### Configuration

|                     |                   |
|---------------------|-------------------|
| Function            | Fan-out           |
| Cable Type          | Base-12 Multimode |
| Mode                | Multimode         |
| Mode Class          | OM4               |
| Fiber Diameter      | 50/125 $\mu$ m    |
| Connection 1 Type   | MPO (w/ pins)     |
| Connection 1 Gender | Male              |
| Connection 1 Polish | UPC               |
| Connection 2 Type   | SC                |
| Connection 2 Polish | PC                |
| Cable Color         | Aqua Blue         |

#### Optical Specifications

| Description                  | Minimum | Typical | Maximum | Units |
|------------------------------|---------|---------|---------|-------|
| Return Loss - MPO            | 20      |         |         | dB    |
| Insertion Loss - MPO         |         |         | 0.75    | dB    |
| Return Loss - LC, ST, SC, FC | 20      |         |         | dB    |

MPO Male to 12x SC Fan-out, 12 Fiber Ribbon, OM4 100G  
50/125 Multimode, LSZH Jacket, Aqua, 0.5 Meter



## MPM12OM4-SC-05

### Optical Specifications

| Description                     | Minimum | Typical | Maximum | Units |
|---------------------------------|---------|---------|---------|-------|
| Insertion Loss - LC, ST, SC, FC |         |         | 0.3     | dB    |

### Mechanical Specifications

#### Cable Assembly

|                |                  |
|----------------|------------------|
| Length         | 0.5 m [19.69 in] |
| Width/Diameter | 4.8 mm           |

#### Cable

|                                            |         |
|--------------------------------------------|---------|
| Cable Type                                 | Fan-out |
| Breakout Diameter                          | 0.9 mm  |
| 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 | SC          |
| Configuration    | Straight           | Straight    |
| Connector Polish | UPC                | PC          |

### Environmental Specifications

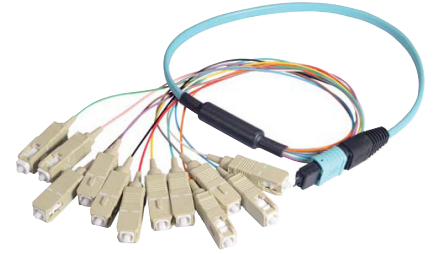
|                                |                  |
|--------------------------------|------------------|
| Operating Range Temperature    | -40 to +75 deg C |
| Ingress Protection (IP) Rating | Non-Rated        |

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

### Plotted and Other Data

Notes:

MPO Male to 12x SC Fan-out, 12 Fiber Ribbon, OM4 100G  
50/125 Multimode, LSZH Jacket, Aqua, 0.5 Meter



## MPM12OM4-SC-05

### Typical Performance Data

### How to Order

Part Number Configuration:

**MPM12OM4-SC**

**-XX**

**UU**

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: MPM12OM4-SC-12 = 12 meters long cable  
MPM12OM4-SC-10F = 10 feet long cable

MPO Male to 12x SC Fan-out, 12 Fiber Ribbon, OM4 100G 50/125 Multimode, LSZH Jacket, Aqua, 0.5 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-male-to-12x-sc-fan-out-12-fiber-ribbon-om4-100g-50-125-multimode-lszh-jacket-aqua-05m>

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.

MPM12OM4-SC-05 CAD Drawing
MPO Male to 12x SC Fan-out, 12 Fiber Ribbon, OM4 100G 50/125 Multimode, LSZH Jacket, Aqua, 0.5 Meter

