

MPO Male to 12x SC Fan-out, 12 Fiber Ribbon,
9/125 Singlemode, OFNR Jacket, Yellow, 0.5m



MPM12S-SC-05

Features

- High-density 2.5*4.8mm ribbon construction
- Simplified cable management
- Improved airflow and space utilization
- Color-coded fibers and legs
- Flexible boot LC fan-out enables orientations up to 90° to accommodate tight spaces

Applications

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

Description

The MPM12S-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 OFNR-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 yellow 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 single mode OS1 fiber and has a fiber diameter of 9/125 μm . L-com's MPM12S-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 single mode OS1 fan-out cable for your requirements.

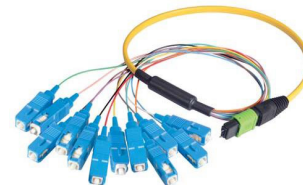
Configuration

Function	Fan-out
Cable Type	Base-12 Single Mode
Mode	Single Mode
Mode Class	OS1
Fiber Diameter	9/125 μm
Connection 1 Type	MPO (w/ pins)
Connection 1 Gender	Male
Connection 1 Polish	APC
Connection 2 Type	SC
Connection 2 Polish	PC
Cable Color	Yellow

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss - MPO	60			dB
Insertion Loss - MPO			0.75	dB
Return Loss - LC, ST, SC, FC	55			dB

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Optical Specifications

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

Mechanical Specifications

Cable Assembly

Length	5.13 mm [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	APC	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:

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MPM12S-SC-05

Typical Performance Data

How to Order

Part Number Configuration:

MPM12S-SC

-XX

UU

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: MPM12S-SC-12 = 12 meters long cable
MPM12S-SC-10F = 10 feet long cable

MPO Male to 12x SC Fan-out, 12 Fiber Ribbon, 9/125 Singlemode, OFNR Jacket, Yellow, 0.5m 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-9-125-singlemode-ofnr-jacket-yellow-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.

MPM12S-SC-05 CAD Drawing

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