

Fiber Breakout Conversion Harness,
MPO24 no pins to 2xMPO12 no pins, SMF
9/125µm, LSZH Jacket, Yellow, 5 meter



MPF24212SMZ-5

Features

- Optimized for fiber count conversions and redistribution
- Converts: 100G to 2x40G, 200G to 2x100G, & 400G to 2x200G
- OS2 9/125µm Single Mode
- LSZH rated jacket

Applications

- Migration from 12F to 24F backbones
- Mixed-generation data centers

Description

The MPF24212SMZ-5 from L-com is a breakout conversion harness that comes with a MPO24 (no pins) to 2xMPO12 (no pins) connector configuration. This yellow fiber harness with 24 fibers features an LSZH-rated PE + EVA jacket and has maximum insertion loss of 0.75 dB. Our harness is available in a length of 5 meters and is suitable for applications such as migration from 12F to 24F backbones and mixed-generation data centers.

Our MPO (w/o pins) female to MPO (w/o pins) female breakout harness comes with a single mode OS2 fiber and has a fiber diameter of 9/125 µm. L-com's MPO connectors are fully compatible with US Conec MTP products. With an operating temperature range of -40 to 75 degrees C, this harness provides reliable performance across diverse conditions.

L-com's MPF24212SMZ-5 conversion cable has a cable diameter of 3.8 mm and a breakout diameter of 3 mm. Our breakout harness 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 MPF24212SMZ-5 breakout harness can be found on its downloadable PDF datasheet.

L-com has one of the largest in-stock selections of conversion harness 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 OS2 fiber harness for your requirements.

Configuration

Function	Breakout Conversion
Cable Type	Base-24 Single Mode
Mode	Single Mode
Mode Class	OS2
Fiber Diameter	9/125 µm
Connection 1 Type	MPO (w/o pins)
Connection 1 Gender	Female
Connection 1 Polish	APC
Connection 2 Type	MPO (w/o pins)
Connection 2 Gender	Female
Connection 2 Polish	APC
Cable Color	Yellow

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss - MPO	60			dB

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Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss - MPO			0.75	dB

Mechanical Specifications

Cable Assembly

Length	5 m [196.85 in]
Width/Diameter	3.8 mm

Cable

Cable Type	Breakout Conversion
Polarity	TYPE A
Breakout Diameter	3 mm
Static Bend Radius	38 mm
Dynamic Bend Radius	76 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	APC	APC

Environmental Specifications

Operating Range Temperature	-40 to +75 deg C
Storage Range Temperature	-40 to +85 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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Typical Performance Data

How to Order

Part Number Configuration:

MPF24212SMZ

-XX

UU

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: MPF24212SMZ-12 = 12 meters long cable
MPF24212SMZ-10F = 10 feet long cable

Fiber Breakout Conversion Harness, MPO24 no pins to 2xMPO12 no pins, SMF 9/125µm, LSZH Jacket, Yellow, 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-conversion-harness-mpo24-no-pins-2xmpo12-no-pins-smf-9-125um-multimode-lszh-jacket-yellow-5-meter-mpf24212smz-5>

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.

MPF24212SMZ-5 CAD Drawing

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