

Fiber Aggregation Conversion Harness, 16 Fiber
MPO24 no pins to 2xMPO12 no pins, OM3 50/125µm
Multimode, OFNR Jacket, Aqua, 1 meter



MPF24212OM3R-CA-1

Features

- Aggregates traffic from multiple MPO trunks into a single high-density port
- 8 to 16 fiber aggregation
- Aggregates: 2x40G to 100G, 2x100G to 200G, & 2x200G to 400G
- OM3 50/125µm Multimode
- OFNR rated jacket

Applications

- Partial population environments
- Migration from 100G to 400G
- High-cost optics optimization

Description

The MPF24212OM3R-CA-1 from L-com is an aggregation conversion harness that comes with a MPO24 (no pins) to 2xMPO12 (no pins) connector configuration. This aqua blue fiber harness with 16 fibers features an OFNR-rated PVC jacket and has maximum insertion loss of 0.75 dB. Our harness is available in a length of 1 meter and is suitable for applications such as partial population environments, migration from 2x200G to 400G, and high-cost optics optimization.

Our MPO (w/o pins) female to MPO (w/o pins) female aggregation harness comes with a multimode OM3 fiber and has a fiber diameter of 50/125 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 MPF24212OM3R-CA-1 conversion cable has a cable diameter of 3.8 mm and a breakout diameter of 3 mm. Our aggregation 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 MPF24212OM3R-CA-1 aggregation harness can be found on its downloadable PDF datasheet.

L-com has one of the largest in-stock selections of aggregation 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 multimode OM3 harness for your requirements.

Configuration

Function	Aggregation Harness
Cable Type	Base-16 Multimode
Mode	Multimode
Mode Class	OM3
Fiber Diameter	50/125 µm
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	Aqua Blue

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	1 m [39.37 in]
Width/Diameter	3.8 mm

Cable

Cable Type	Aggregation Harness
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	UPC	UPC

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:	MPF24212OM3R-CA	-XX	UU	
				Unit of Measure: F = Feet <blank> = Meters
				Lengths
				Base Number

Example: MPF24212OM3R-CA-12 = 12 meters long cable
MPF24212OM3R-CA-10F = 10 feet long cable

Fiber Aggregation Conversion Harness, 16 Fiber MPO24 no pins to 2xMPO12 no pins, OM3 50/125µm Multimode, OFNR 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-aggregation-conversion-harness-mpo24-no-pins-2xmpo12-no-pins-om3-50-125um-multimode-onfr-jacket-aqua-1-meter-mpf24212om3r-ca-1>

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 impliment 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.

MPF242120M3R-CA-1 CAD Drawing

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