

MPO no pins to MPO no pins, 12 fiber, Type B, OM5 50/125µm  
Multimode, LSZH Jacket, Lime, 100 meter



## MPFF12OM5BZ-100

### Features

- MPO Patch Cable, Female MPO (w/o pins) to Female MPO (w/o pins)
- 3.0mm, round LSZH jacketing
- Type B Polarity, (KEY UP KEY UP)
- Fully compatible with US Conec MTP products
- Indoor Multimode OM5

### Applications

- 100Gbps and higher Ethernet, extended length links
- SWDM
- Data Centers/Enterprise Networking
- Server to switch connectivity
- Storage connectivity

### Description

L-com's MPFF12OM5BZ-100 is a fiber optic patch cable assembly that is suitable for data centers/enterprise networking, server to switch connectivity, storage connectivity, 100Gbps and higher Ethernet, extended length links, and SWDM applications. This lime green fiber optic cable is equipped with MPO (w/o pins) female to MPO (w/o pins) female connectors. Our patch cable assembly has a type B (key up, key up) polarity. This fiber optic cable assembly is available in a length of 100 meters.

This MPO (w/o pins) female to MPO (w/o pins) female cable comes with a multimode OM5 fiber and has a fiber diameter of 50/125 µm. The MPFF12OM5BZ-100 fiber optic patch cable from L-com features an LSZH-rated jacket. 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 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. 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 OM5 fiber optic cable for your requirements.

### Configuration

Function	Patch
Cable Type	Base-12 Multimode
Mode	Multimode
Mode Class	OM5
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	Lime Green

### Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss - MPO	20			dB

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## MPFF12OM5BZ-100

### Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss - MPO			0.75	dB

### Mechanical Specifications

#### Cable Assembly

Length	1 m [3937.01 in]
Width/Diameter	3 mm

#### Cable

Cable Type	Patch
Polarity	Type B
Static Bend Radius	30 mm
Dynamic Bend Radius	60 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
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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## MPFF12OM5BZ-100

### Typical Performance Data

### How to Order

Part Number Configuration:

**MPFF12OM5BZ**

**-XX**

**UU**

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: MPFF12OM5BZ-12 = 12 meters long cable  
MPFF12OM5BZ-10F = 10 feet long cable

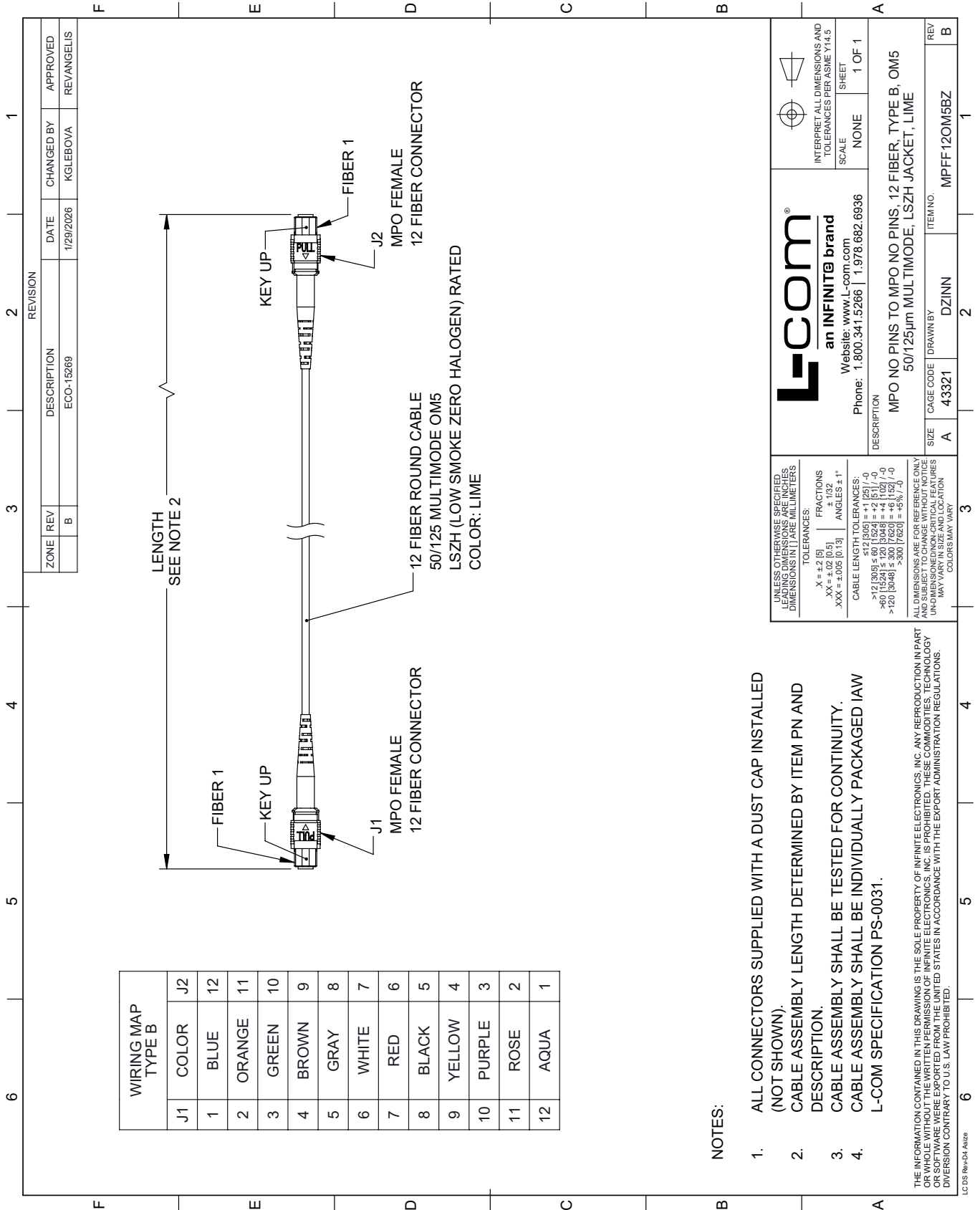
MPO no pins to MPO no pins, 12 fiber, Type B, OM5 50/125µm Multimode, LSZH Jacket, Lime, 100 meter from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, 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-no-pins-to-mpo-no-pins-12-fibertype-bom5-50-125um-multimode-lszh-jacket-lime-green-100-mer>

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.

# MPFF12OM5BZ-100 CAD Drawing

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WIRING MAP TYPE B	
J1	J2
COLOR	COLOR
1	12
2	11
3	10
4	9
5	8
6	7
7	6
8	5
9	4
10	3
11	2
12	1

### NOTES:

- ALL CONNECTORS SUPPLIED WITH A DUST CAP INSTALLED (NOT SHOWN).
- CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
- CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED IAW L-COM SPECIFICATION PS-0031.

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LC 05 Rev-D4 Atzke

REVISION		DATE	CHANGED BY	APPROVED		
ZONE	REV	DESCRIPTION	ECO-15269	1/29/2026	KGLEBOVA	REVANGELIS
	B					

 <b>an INFINITE brand</b> Website: <a href="http://www.L-com.com">www.L-com.com</a> Phone: 1.800.341.5266   1.978.682.6936		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION MPO NO PINS TO MPO NO PINS, 12 FIBER, TYPE B, OM5 50/125µm MULTIMODE, LSZH JACKET, LIME		
SIZE	CAGE CODE	ITEM NO.
A	43321	DZINN
DRAWN BY: MPFF12OM5BZ		

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. LEADING DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS IN [ ] ARE MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]

FRACTIONS  
 ± 1/32

ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
 <12 [305] ≤ 60 [1524] = ±.1 [25] / -0  
 >60 [1524] ≤ 120 [3048] = ±.4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = ±.5 [127] / -0  
 >300 [7620] = ±.5 [127] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.