

MPO no pins to MPO no pins, 24 fiber, Type B, OM5 50/125µm
Multimode, OFNR Jacket, Lime, 1 meter



MPFF24OM5BR-1

Features

- MPO Patch Cable, Female MPO (w/o pins) to Female MPO (w/o pins)
- 3.8mm, round OFNR 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
- Server to switch and switch to switch connectivity
- SWDM
- Data Centers/Enterprise Networking

Description

L-com's MPFF24OM5BR-1 is a fiber optic patch cable assembly that is suitable for data centers/enterprise networking, server to switch and switch to switch 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 1 meter.

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 MPFF24OM5BR-1 fiber optic patch cable from L-com features an OFNR-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-24 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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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 | Patch |
| Polarity | Type B |
| 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 |
| 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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MPFF24OM5BR-1

Typical Performance Data

How to Order

Part Number Configuration:

MPFF24OM5BR

-XX

UU

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: MPFF24OM5BR-12 = 12 meters long cable
MPFF24OM5BR-10F = 10 feet long cable

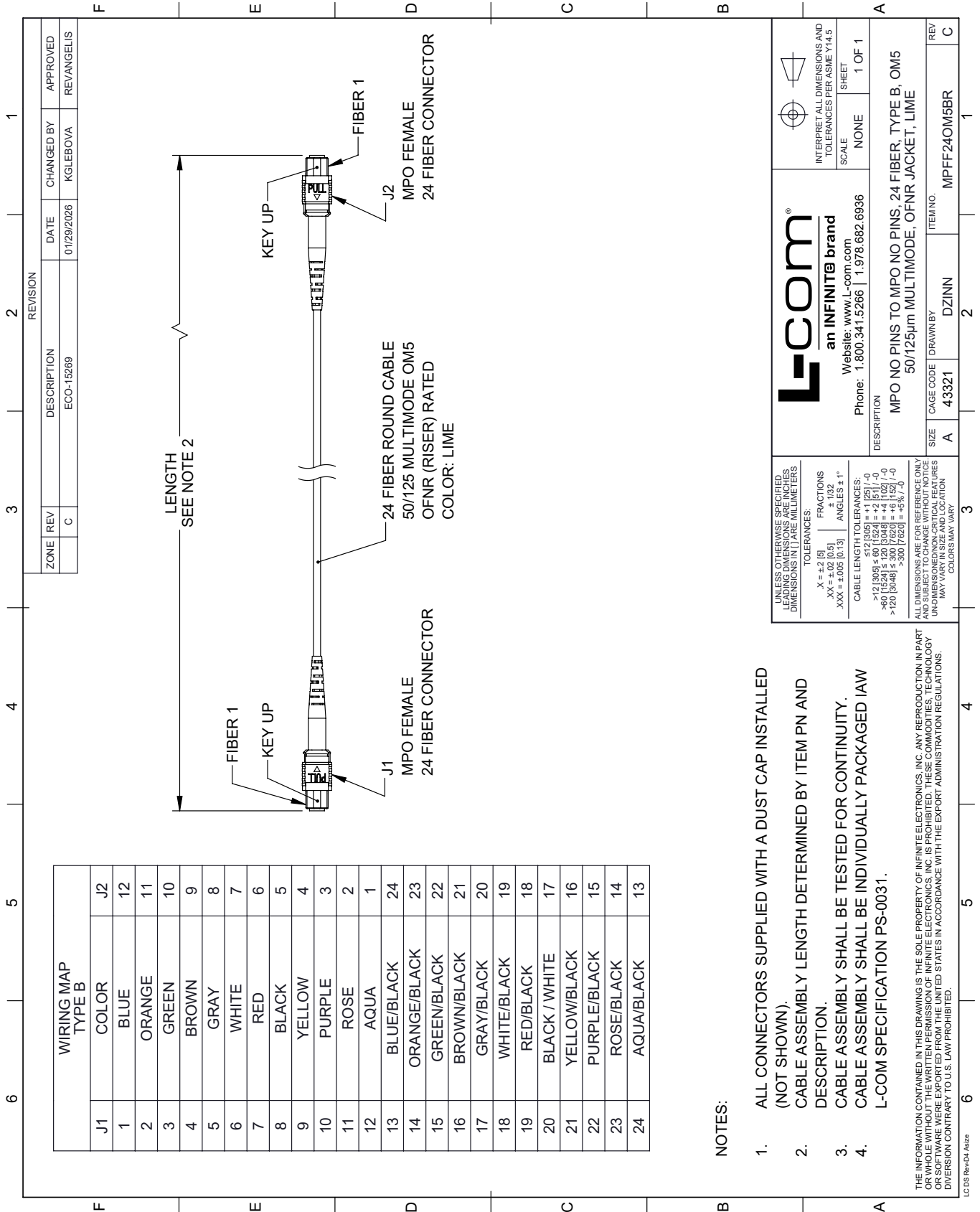
MPO no pins to MPO no pins, 24 fiber, Type B, OM5 50/125µm Multimode, OFNR Jacket, Lime, 1 meter from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/fiber-optic-mpo-no-pins-to-mpo-no-pins-24-fibertype-bom5-50-125um-multimode-ofnr-jacket-lime-green-1-meter>

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MPFF24OM5BR-1 CAD Drawing

MPO no pins to MPO no pins, 24 fiber, Type B, OM5 50/125µm Multimode, OFNR Jacket, Lime, 1 meter



| WIRING MAP TYPE B | |
|----------------------|----|
| J1 | J2 |
| 1 | 12 |
| 2 | 11 |
| 3 | 10 |
| 4 | 9 |
| 5 | 8 |
| 6 | 7 |
| 7 | 6 |
| 8 | 5 |
| 9 | 4 |
| 10 | 3 |
| 11 | 2 |
| 12 | 1 |
| 13 | 24 |
| 14 | 23 |
| 15 | 22 |
| 16 | 21 |
| 17 | 20 |
| 18 | 19 |
| 19 | 18 |
| 20 | 17 |
| 21 | 16 |
| 22 | 15 |
| 23 | 14 |
| 24 | 13 |

NOTES:

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

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LC 05 Rev-D4 Asize

| REVISION | |
|-------------|------------|
| ZONE | REV |
| DESCRIPTION | DATE |
| ECO-15269 | 01/29/2026 |
| CHANGED BY | APPROVED |
| KGLEBOVA | REVANGELIS |

| | | |
|---|-----------|---|
| <p>L-com an INFINITE brand</p> <p>Website: www.L-com.com Phone: 1.800.341.5266 1.978.682.6936</p> | | <p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p> <p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p> |
| <p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. LEADING DIMENSIONS ARE IN MILLIMETERS. DIMENSIONS IN [] ARE MILLIMETERS.</p> <p>TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]</p> <p>FRACTIONS: ± 1/32 ANGLES: ± 1°</p> <p>CABLE LENGTH TOLERANCES: <12 [305] ≤ 60 [1524] = ±.125 [3.175] / -0 >60 [1524] ≤ 120 [3048] = ±.150 [3.81] / -0 >120 [3048] ≤ 300 [7620] = ±.1875 [4.76] / -0 >300 [7620] = ±.25 [6.35] / -0</p> <p>ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.</p> | | <p>DESCRIPTION</p> <p>MPO NO PINS TO MPO NO PINS, 24 FIBER, TYPE B, OM5 50/125µm MULTIMODE, OFNR JACKET, LIME</p> |
| SIZE | CAGE CODE | ITEM NO. |
| A | 43321 | MPFF24OM5BR |
| DRAWN BY | DZINN | |
| REV | C | |