# MPO w/ pins to MPO no pins, 24 Fiber, Type B, 40GB 50/125µm OM4 MMF, OFNR Jacket, 3 Meter



## MPMF24OM4BR-3

### Features

- MPO Male (w/pins) to MPO female (w/o pins)
- Multimode 50/125µm 40GB OM4 Fiber
- 24 Fiber
- Type B Polarity (Key up, Key Up)
- OFNR Riser-rated Jacket

### Applications

- LAN
- Server Farms
- Voice/Video/Data
- Ethernet

### Description

L-com's MPMF24OM4BR-3 is a fiber optic patch cable assembly that is suitable for Ethernet, LAN, server farms, and voice/video/data applications. This magenta fiber optic cable is equipped with MPO (w/ pins) male 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 3 meters.

This MPO (w/ pins) male to MPO (w/o pins) female cable comes with a multimode OM4 fiber and has a fiber diameter of 50/125µm. The MPMF24OM4BR-3 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 OM4 fiber optic cable for your requirements.

### Configuration

| | |
|---|---|
| Function | Patch |
| Cable Type | Base-24 Multimode |
| Mode | Multimode |
| Mode Class | OM4 |
| Fiber Diameter | 50/125 µm |
| Connection 1 Type | MPO (w/ pins) |
| Connection 1 Gender | Male |
| Connection 1 Polish | PC |
| Connection 2 Type | MPO (w/o pins) |
| Connection 2 Gender | Female |
| Connection 2 Polish | PC |
| Cable Color | Magenta |

### Optical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Return Loss - MPO | 30 | | | dB |


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## MPMF24OM4BR-3

### Optical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Insertion Loss - MPO | | | 0.5 | dB |

### Mechanical Specifications

**Cable Assembly**

| | |
|---|---|
| Length | 3 m [118.11 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/ pins) Male | MPO (w/o pins) Female |
| Connector Polish | PC | PC |

### Environmental Specifications

| | |
|---|---|
| Operating Range Temperature | -20 to +70 deg C |
| Storage Range Temperature | -40 to +70 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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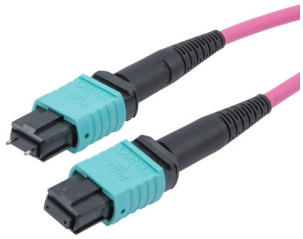

## MPMF24OM4BR-3

### Typical Performance Data

### How to Order

Part Number Configuration: **MPMF24OM4BR** **-XX** **UU**

- UU — Unit of Measure: F = Feet, <blank> = Meters
- -XX — Lengths
- MPMF24OM4BR — Base Number

Example: MPMF24OM4BR-12 = 12 meters long cable
MPMF24OM4BR-10F = 10 feet long cable

MPO w/ pins to MPO no pins, 24 Fiber, Type B, 40GB 50/125µm OM4 MMF, OFNR Jacket, 3 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/mpo-w-pins-to-mpo-no-pins-24-fiber-type-b-40gb-50-125-om4-mmf-ofnr-3-meter-mpmf24om4br-3

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.


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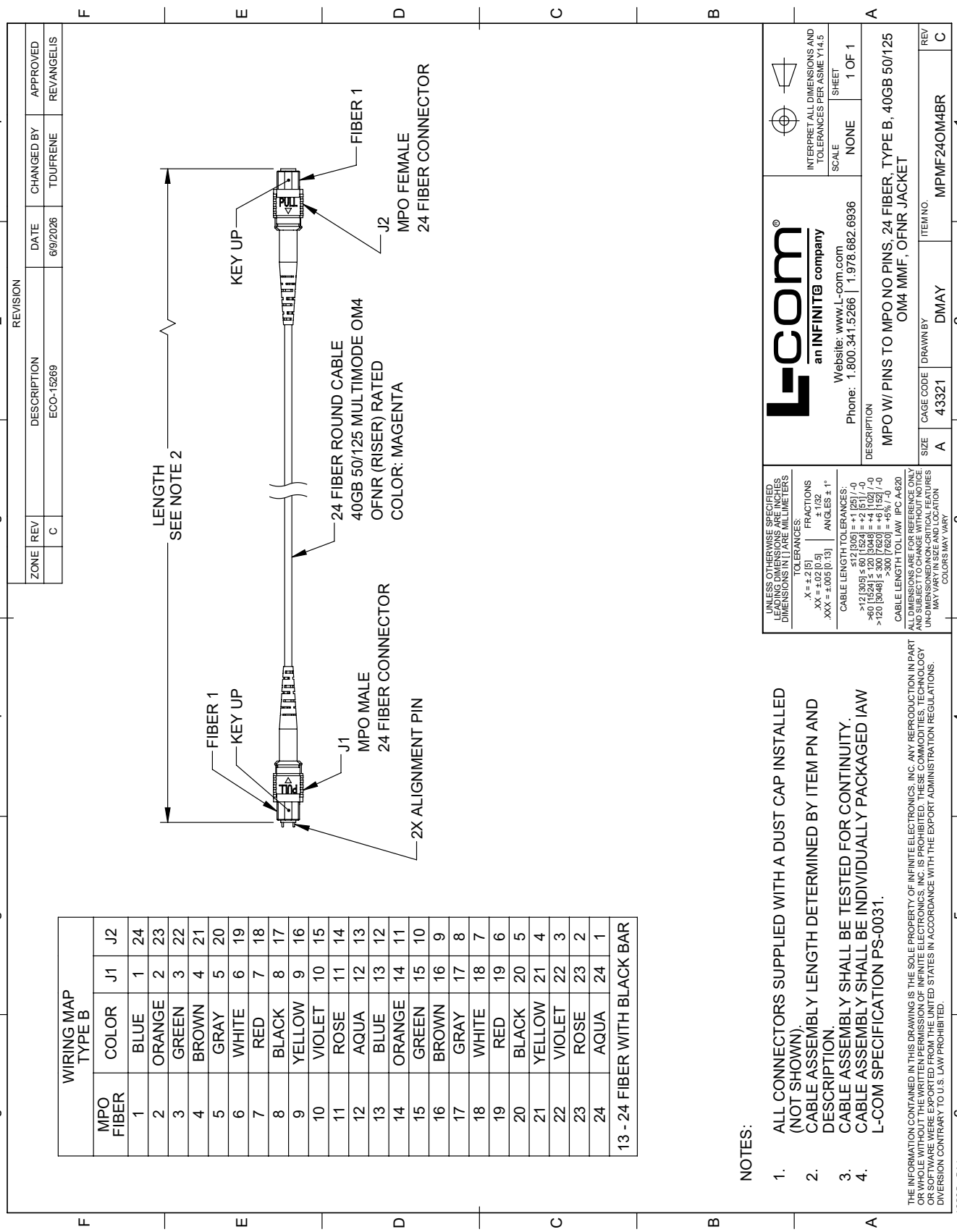
# MPMF24OM4BR-3 CAD Drawing

MPO w/ pins to MPO no pins, 24 Fiber, Type B, 40GB 50/125µm OM4 MMF, OFNR Jacket, 3 Meter




| WIRING MAP TYPE B | | | |
|---|---|---|---|
| MPO FIBER | COLOR | J1 | J2 |
| 1 | BLUE | 1 | 24 |
| 2 | ORANGE | 2 | 23 |
| 3 | GREEN | 3 | 22 |
| 4 | BROWN | 4 | 21 |
| 5 | GRAY | 5 | 20 |
| 6 | WHITE | 6 | 19 |
| 7 | RED | 7 | 18 |
| 8 | BLACK | 8 | 17 |
| 9 | YELLOW | 9 | 16 |
| 10 | VIOLET | 10 | 15 |
| 11 | ROSE | 11 | 14 |
| 12 | AQUA | 12 | 13 |
| 13 | BLUE | 13 | 12 |
| 14 | ORANGE | 14 | 11 |
| 15 | GREEN | 15 | 10 |
| 16 | BROWN | 16 | 9 |
| 17 | GRAY | 17 | 8 |
| 18 | WHITE | 18 | 7 |
| 19 | RED | 19 | 6 |
| 20 | BLACK | 20 | 5 |
| 21 | YELLOW | 21 | 4 |
| 22 | VIOLET | 22 | 3 |
| 23 | ROSE | 23 | 2 |
| 24 | AQUA | 24 | 1 |
| 13 - 24 FIBER WITH BLACK BAR | | | |

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.

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES 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] = +1 [25] / -0 | >60 [1524] ≤ 120 [3048] = +4 [102] / -0 | >120 [3048] ≤ 300 [7620] = +5% / -0 | >300 [7620] = +5% / -0
CABLE LENGTH TOLI IAW IPC A-620
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE
UN-DIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION
COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
|---|---|---|---|---|
| A | 43321 | DMAY | MPMF24OM4BR | C |

SCALE NONE | SHEET 1 OF 1

DESCRIPTION
MPO W/ PINS TO MPO NO PINS, 24 FIBER, TYPE B, 40GB 50/125 OM4 MMF, OFNR JACKET

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LC DS Rev-E A size



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