

Type B MPO Male (w/pins) to LC/UPC Clipped fan-out, 2.0mm Diameter, 12 Fiber, Multimode OM3 10GB 50/125, OFNR Jacket-5M



MPUMLCU12M3BR-5

Features

- 12 fiber multimode OM3
- MPO to 6 LC/UPC duplex connectors (clipped)
- Polarity Type B
- 0.5M fan-out length
- 2.0mm fanout out diameter
- OFNR rated jacket

Applications

- Data center backbone and switch-to-server connectivity
- High-density fiber patching and cross-connect systems
- 40G and 100G single mode network deployments
- MPO trunk to LC equipment breakout applications
- Enterprise and telecommunications fiber distribution

Description

The L-com MPUMLCU12M3BR-5 fiber optic fan-out cord is a robust and versatile fiber optic cable assembly designed for high-performance data transmission in various environments. This fan-out cable assembly is equipped with type B MPO (w/ pins)/UPC to LC/UPC duplex clipped connectors. Our fiber optic cable has an OFNR rated PVC jacket that ensures compliance with fire and safety standards and is available in cable length of 5 meters. With an operating temperature range of 0 to 60 degrees C, this cable assembly provides reliable performance across diverse conditions.

This fan-out cable has a multimode OM3 fiber and comes with a breakout diameter of 2 mm. Our fan-out cable assembly is suitable for applications such as data center backbone and switch-to-server connectivity, high-density fiber patching and cross-connect systems, 40G and 100G single mode network deployments, MPO trunk to LC equipment breakout applications, and enterprise and telecommunications fiber distribution. The MPUMLCU12M3BR-5 fiber optic cable with a 3 mm cable diameter and 23 mm minimum bend radius offers flexible installation options. Additional dimensions, specifications, and CAD drawings for this 12-strand fiber optic fan-out cord can be found on its downloadable PDF datasheet.

L-com has one of the largest in-stock selections of MPO (w/ pins)/UPC to LC/UPC fiber optic fan-out cords for international and domestic orders. Make your online purchase right now to take advantage of our same-business-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal OM3 multimode fiber optic cable that meets your requirements.

Configuration

Function	Fan-out
Cable Type	Base-12 Multimode
Mode	Multimode
Mode Class	OM3
Fiber Diameter	50/125 μ m
Connection 1 Type	MPO (w/ pins)
Connection 1 Gender	Male
Connection 1 Polish	UPC
Connection 2 Type	LC
Connection 2 Polish	UPC
Connection 2 Option	Duplex Clip

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss - MPO	30			dB

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Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss - MPO			0.7	dB
Return Loss - LC, ST, SC, FC	30			dB
Insertion Loss - LC, ST, SC, FC			0.3	dB

Mechanical Specifications

Cable Assembly

Length	5 m [196.85 in]
Width/Diameter	3 mm
Weight	15.21 g [0.03353 lbs]

Cable

Cable Type	Fan-out
Polarity	Type B
Breakout Diameter	2 mm
Static Bend Radius	23 mm
Dynamic Bend Radius	45 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	LC
Connector Polish	UPC	UPC

Environmental Specifications

Operating Range Temperature	0 to +60 deg C
Storage Range Temperature	-20 to +60 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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MPUMLCU12M3BR-5

Typical Performance Data

How to Order

Part Number Configuration:	MPUMLCU12M3BR	-XX	UU	
				Unit of Measure: F = Feet <blank> = Meters
				Lengths
				Base Number

Example: MPUMLCU12M3BR-12 = 12 meters long cable
MPUMLCU12M3BR-10F = 10 feet long cable

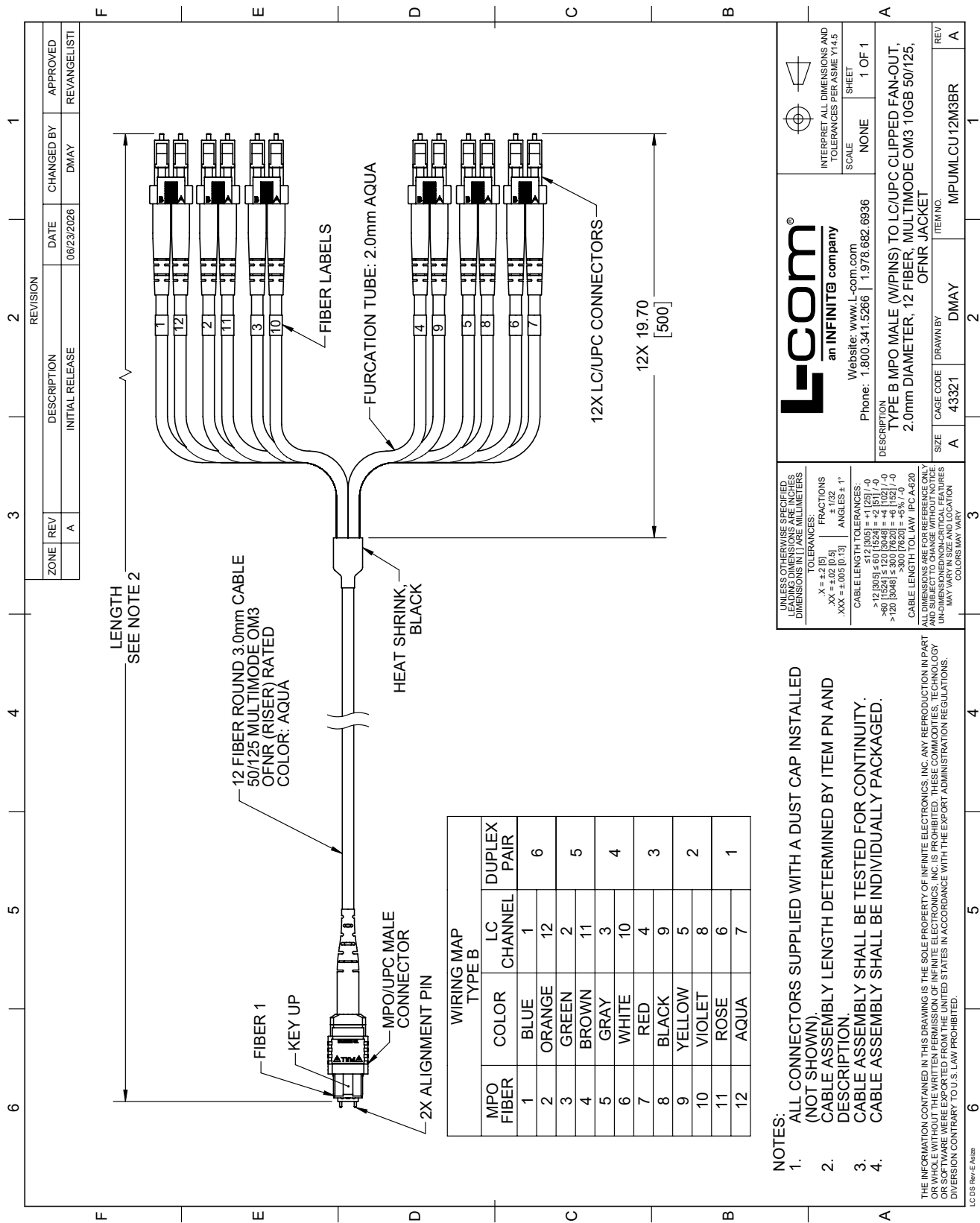
Type B MPO Male (w/pins) to LC/UPC Clipped fan-out, 2.0mm Diameter, 12 Fiber, Multimode OM3 10GB 50/125, OFNR Jacket-5M from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning 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/type-b-mpo-male-w-pins-lc-upc-clipped-fan-out-2.0mm-diameter-12-fiber-multimode-om3-10gb-50-125-ofnr-jacket-5m-mpumlcu12m3br-5>

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MPUMLCU12M3BR-5 CAD Drawing

Type B MPO Male (w/pins) to LC/UPC Clipped fan-out, 2.0mm Diameter, 12 Fiber, Multimode OM3 10GB 50/125, OFNR Jacket-5M



- 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.

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

TOLERANCES:
XX = ±0.02 [0.5]
XXX = ±0.05 [1.3]

FRACTIONS
± 1/32
ANGLES ± 1°

CABLE LENGTH TOLERANCES:
≤ 12 [305] = ±1 [25] / -0
> 12 [305] ≤ 47 [1200] = ±1 [25] / -0
> 47 [1200] ≤ 120 [3048] = ±1 [25] / -0
> 120 [3048] ≤ 300 [7620] = ±1 [25] / -0
CABLE LENGTH TOLERANCE, IPC A-620
ALL DIMENSIONS ARE FOR REFERENCE ONLY
AND SUBJECT TO CHANGE WITHOUT NOTICE
UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS IN INCHES DIMENSIONS IN [] ARE MILLIMETERS
MAY VARY WITH MANUFACTURING
COLORS MAY VARY

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
SCALE NONE
SHEET 1 OF 1

DESCRIPTION
TYPE B MPO MALE (W/PINS) TO LC/UPC CLIPPED FAN-OUT,
2.0mm DIAMETER, 12 FIBER, MULTIMODE OM3 10GB 50/125,
OFNR JACKET

SIZE A
CAGE CODE 43321
DRAWN BY DMAY
ITEM NO. MPUMLCU12M3BR
REV A

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