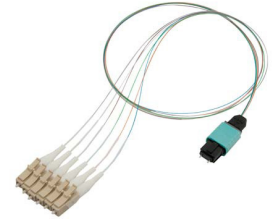


## Fiber Optic Patch Assembly Multimode OM2, 6 Fiber MPO (male) to LC/PC 0.25mm Bare Fiber - 0.5M



### FCA-MMS206500P

#### Features

- 6 Fiber Direct MPO Male (w/ pins) to 6x LC/PC Fan-Out Patchcord
- .25mm Colored Bare Fiber
- Multimode OM2 cabling for aggregation of links, cassettes or patch panels
- Fully compatible with US Conec MTP™ products

#### Applications

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

#### Description

L-com's FCA-MMS206500P is a fiber optic patch cable assembly that is suitable for Ethernet, LAN, data centers, server farms, and voice/video/data applications. This fiber optic cable is equipped with a 6 fiber MPO (w/pins) to LC/PC connector configuration. This fiber optic cable assembly is available in a length of 0.5 meter and has a cable diameter of 0.25 mm. Our patch cable assembly can operate at temperatures ranging from -10 to 60 degrees C.

This MPO (w/pins) male to LC/PC cable comes with a multimode OM2 fiber and has a fiber diameter of 50/125  $\mu\text{m}$ . The FCA-MMS206500P fiber optic patch cable from L-com features a colored bare fiber 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 OM2 fiber optic cable for your requirements.

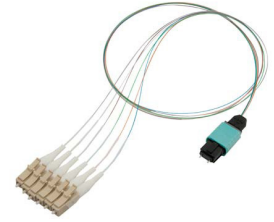
#### Configuration

Function	Patch
Cable Type	Base-6 Multimode
Mode	Multimode
Mode Class	OM2
Fiber Diameter	50/125 $\mu\text{m}$
Connection 1 Type	MPO (w/ pins)
Connection 1 Gender	Male
Connection 1 Polish	PC
Connection 2 Type	LC
Connection 2 Polish	PC

#### Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss - MPO	30			dB
Insertion Loss - MPO			0.5	dB
Return Loss - LC, ST, SC, FC	30			dB

Fiber Optic Patch Assembly Multimode OM2, 6 Fiber  
MPO (male) to LC/PC 0.25mm Bare Fiber - 0.5M



**FCA-MMS206500P**

**Optical Specifications**

Description	Minimum	Typical	Maximum	Units
Insertion Loss - LC, ST, SC, FC			0.3	dB

**Mechanical Specifications**

**Cable Assembly**

Length	0.5 m [19.68 in]
Width/Diameter	0.25 mm
Weight	13.61 g [0.03 lbs]

**Cable**

Cable Type	Patch
Polarity	NEUTRAL
Static Bend Radius	2 mm
Dynamic Bend Radius	5 mm
Max Allowance Tensile, Short Term (N/100mm)	170 mm
Max Allowance Tensile, Long Term (N/100mm)	85 mm

**Connectors**

Description	Connector 1	Connector 2
Type	MPO (w/ pins) Male	LC
Mating Cycles	500	500
Connector Polish	PC	PC

**Environmental Specifications**

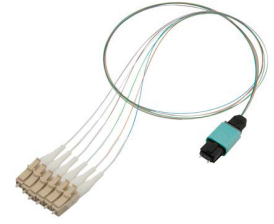
Operating Range Temperature	-10 to +60 deg C
Storage Range Temperature	-5 to +50 deg C

**Compliance Certifications** (see [product page](#) for current document)

**Plotted and Other Data**

Notes:

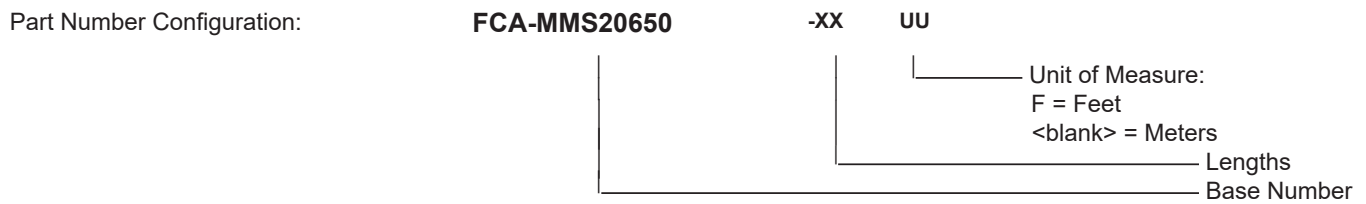
Fiber Optic Patch Assembly Multimode OM2, 6 Fiber MPO (male) to LC/PC 0.25mm Bare Fiber - 0.5M



**FCA-MMS206500P**

**Typical Performance Data**

**How to Order**



Example:    FCA-MMS20650-12 = 12 meters long cable  
              FCA-MMS20650-10F = 10 feet long cable

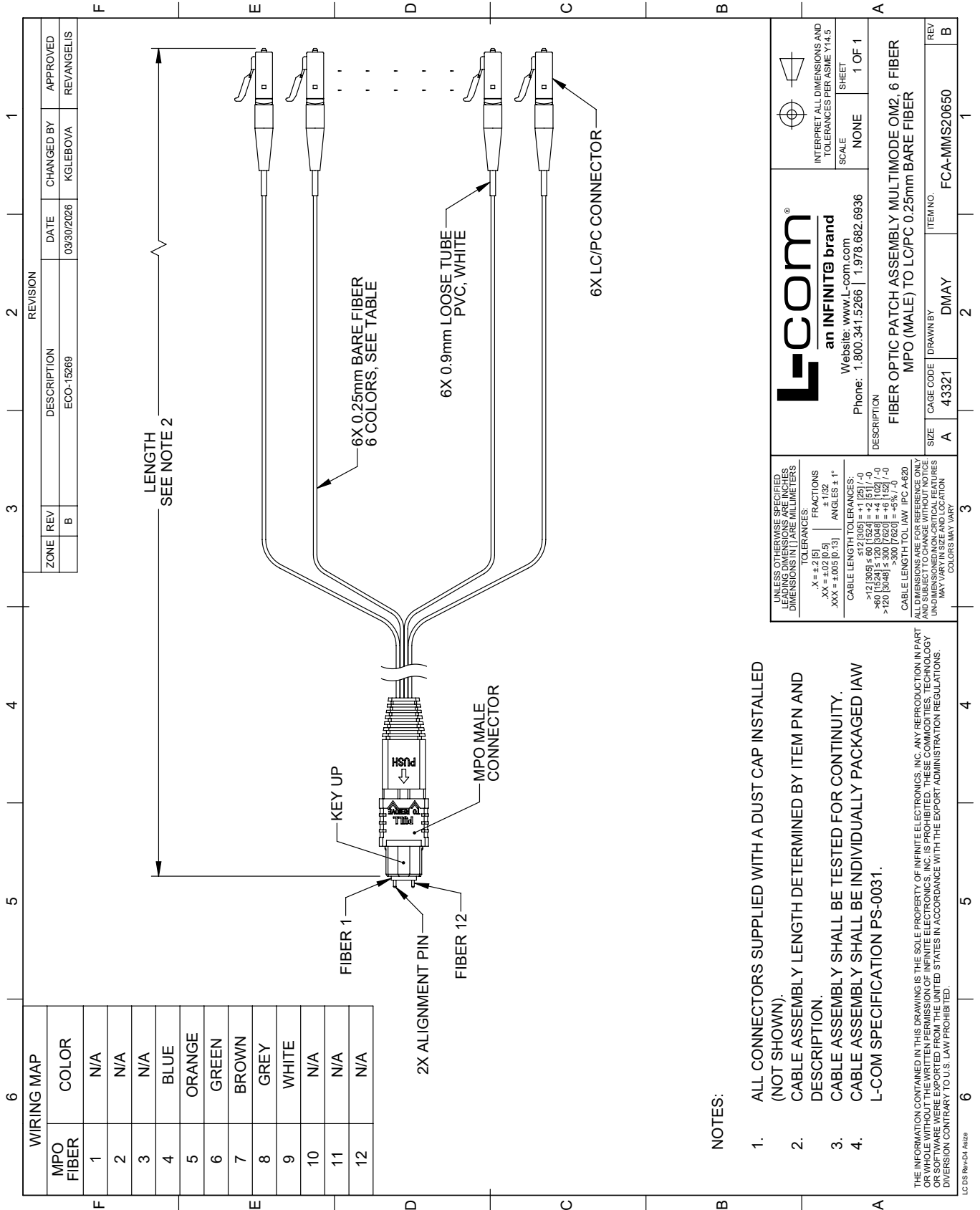
Fiber Optic Patch Assembly Multimode OM2, 6 Fiber MPO (male) to LC/PC 0.25mm Bare Fiber - 0.5M from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/patch-cord-multimode-om2-6-cores-mpo-male-lc-upc-0.25mm-pvc-6-color-0.5m-fca-mms206500p>

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.

# FCA-MMS20650P CAD Drawing

Fiber Optic Patch Assembly Multimode OM2, 6 Fiber MPO (male) to LC/PC 0.25mm Bare Fiber - 0.5M



**L-com**  
an INFINITE brand  
Website: www.L-com.com  
Phone: 1.800.341.5266 | 1.978.682.6936

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

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

TOLERANCES:  
 .XX = ±.2 [5]  
 .XXX = ±.005 [0.13]  
 FRACTIONS ± 1/32  
 ANGLES ± 1°

CABLE LENGTH TOLERANCES:  
 <math>10 [253] \leq 12 [305] = +1 [25] / -0</math>  
 <math>10 [253] \leq 30 [762] = +4 [102] / -0</math>  
 <math>30 [762] \leq 300 [7620] = +6 [152] / -0</math>  
 >300 [7620] = +5% / -0

CABLE LENGTH TOL. IAW IPC A-620

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF THE PART SHALL BE USED FOR DIMENSIONS OF THE PART. DIMENSIONS OF NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

DESCRIPTION: FIBER OPTIC PATCH ASSEMBLY MULTIMODE OM2, 6 FIBER MPO (MALE) TO LC/PC 0.25mm BARE FIBER

SIZE A CAGE CODE 43321 DRAWN BY DMAY ITEM NO. FCA-MMS20650

REV B

- 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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