

Type B MPO/UPC Male (w/pins) to LC/UPC Clipped fan-out,
2.0mm Diameter, 8 Fiber, Single Mode OS2, OFNP Jacket



PE3FCA749

Features

- 8 fiber single mode OS2
- MPO/UPC to 4 LC/UPC duplex connectors (clipped)
- Polarity Type B
- 0.5M fan-out length
- 2.0mm fanout out diameter
- OFNP rated jacket

Applications

- 40G BiDi and parallel optics connectivity
- Reduced-fiber-count data center architectures
- MPO to LC equipment breakout cabling
- High-speed switch and server interconnects
- Telecom and enterprise fiber routing systems

Description

Pasternack's PE3FCA749 fiber optic fan-out harness 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 MPO/UPC Male key up to LC/UPC duplex clipped connectors. Our yellow fiber optic cable has a plenum (OFNP) rated PVC jacket that ensures compliance with fire and safety standards. With an operating temperature range of -20 to 60 degrees C and a storage temperature range of -20 to 60 degrees C, this cable provides reliable performance across diverse conditions.

This fan-out cable has a single mode OS2 fiber and comes with a breakout diameter of 2 mm. With the flexibility of custom lengths, the PE3FCA749 fiber optic assembly can be tailored to meet specific installation requirements, ensuring efficient network management in high-density setups without compromising on delivery time or quality. Additional dimensions, specifications, and CAD drawings for this 8-strand fiber optic fan-out cord can be found on its downloadable PDF datasheet. This PE3FCA749 fiber optic cable with a 3 mm cable diameter and 22.5 mm minimum bend radius offers flexible installation options.

Pasternack has one of the largest in-stock selections of MPO/UPC Male to LC/UPC fiber optic fan-out assemblies 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 OS2 single mode fiber optic cable that meets your requirements.

Configuration

Function	Fan-out
Cable Type	8-Fiber
Mode	Single Mode
Mode Class	OS2
Fiber Diameter	9/125 μ m
Connection 1 Type	MPO (w/ pins)
Connection 1 Gender	Male
Connection 1 Polish	UPC
Connection 2 Type	LC
Connection 2 Polish	UPC

Mechanical Specifications

Cable Assembly	
Width/Diameter	3 mm
Cable	
Cable Type	Fan-out
Polarity	Type B
Breakout Diameter	2 mm

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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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PE3FCA749

Typical Performance Data

How to Order

Part Number Configuration:

PE3FCA749

-XX

UU

Unit of Measure:

M = Meters

<blank> = Inches

Lengths

Base Number

Example: PE3FCA749-12 = 12 inches long cable
PE3FCA749-100cm = 100 cm long cable

Type B MPO/UPC Male (w/pins) to LC/UPC Clipped fan-out, 2.0mm Diameter, 8 Fiber, Single Mode OS2, OFNP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

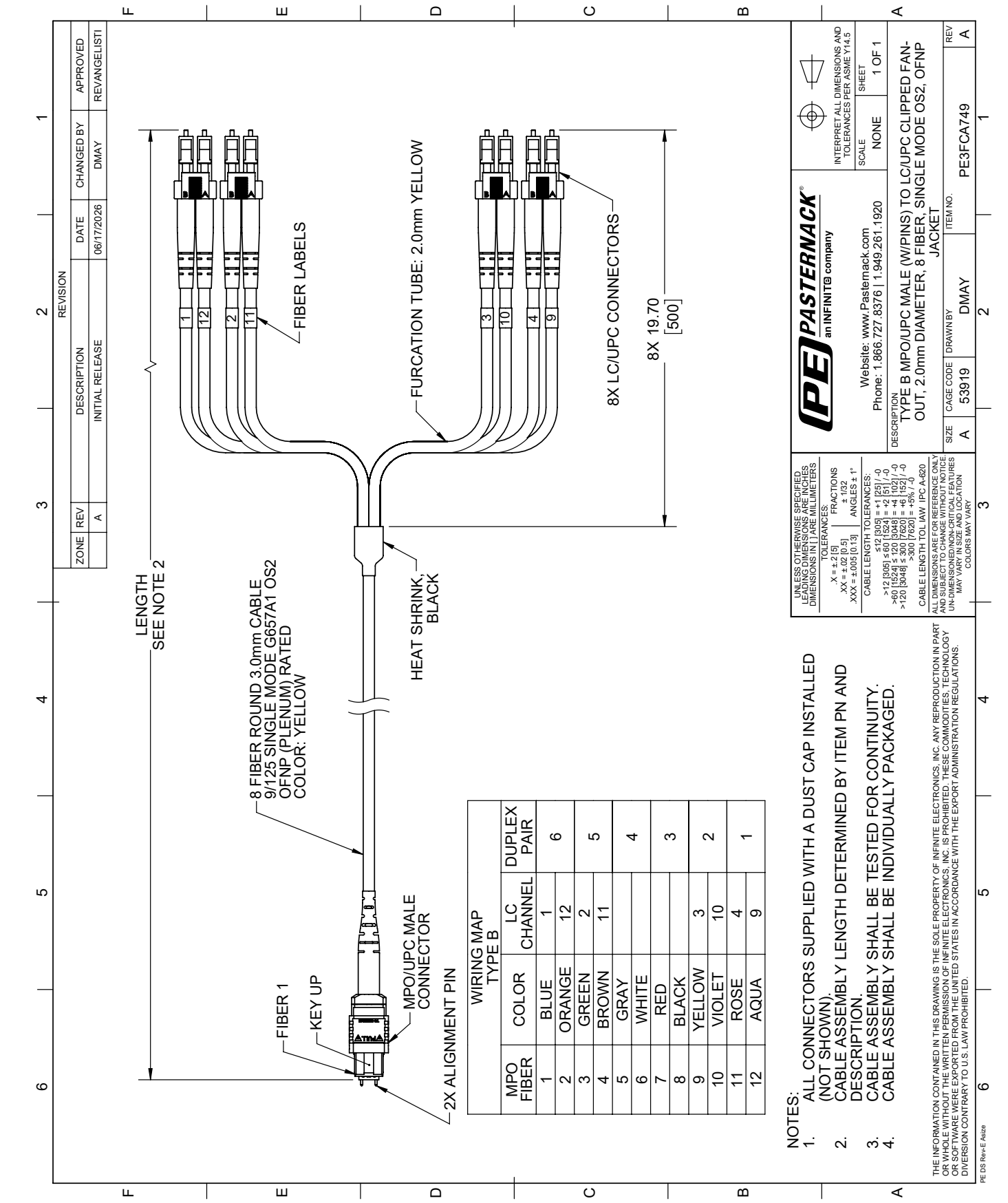
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Type B MPO/UPC Male \(w/pins\) to LC/UPC Clipped fan-out, 2.0mm Diameter, 8 Fiber, Single Mode OS2, OFNP Jacket PE3FCA749](#)

URL: <https://www.pasternack.com/type-b-lc-single-mode-fan-out-fiber-optic-cable-assembly-pe3fca749>

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. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3FCA749 CAD Drawing

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN PARETHESES ARE IN MILLIMETERS.

TOLERANCES:

X = ±.01	FRACTIONS
XX = ±.02 [0.5]	1/2
XXX = ±.05 [1.3]	ANGLES ± 1°

CABLE LENGTH TOLERANCES:

≤ 12 (305) = ±.25 [6.35]
> 12 (305) ≤ 120 (3048) = ±.5 [12.7]
> 120 (3048) ≤ 300 (7620) = ±1.0 [25.4]
> 300 (7620) = ±1.5 [38.1]

CABLE LENGTH TOL. LAW: IPC-A-600

ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF INDIVIDUAL FEATURES MAY VARY IN SIZE AND LOCATION. 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/UPC MALE (W/PINS) TO LC/UPC CLIPPED FAN-OUT, 2.0mm DIAMETER, 8 FIBER, SINGLE MODE OS2, OFNP JACKET

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	DMAY	PE3FCA749	A

- 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.

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