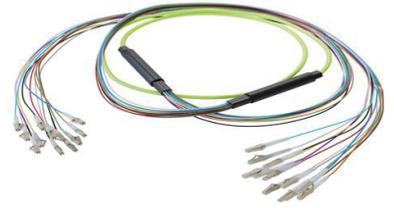


## 12-Fiber LC UPC to LC UPC, OM5 Multimode Distribution Cable, 6.2mm Plenum, 2.0mm breakout, Lime Green



### PE3FCA442

#### Features

- 12X LC UPC to 12X LC UPC
- Indoor multimode OM5
- Plenum (OFNP) rated cable
- 6.2mm with tight buffer and aramid yarn strength member
- 2mm TIA 598 color coded, .5M breakout
- Suitable for wall, ceiling, conduits, and between buildings

#### Applications

- Data centers
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- Enterprise Networking
- Storage and cloud based services
- AI data storage and communications
- Headend termination to a fiber backbone
- Terminations of data center fiber rack system

#### Description

High-performance fiber optic cable assemblies, including the PE3FCA442 from Pasternack, are designed for modern, high-speed network infrastructures and part of a large selection of same day ship cable assemblies. Whether deploying fiber optic distribution assemblies for enterprise networks, fiber optic breakout assemblies for seamless interconnectivity, or fiber optic patch cord assemblies for structured cabling, our solutions ensure durability and precision. Built for data centers, telecommunications, and industrial applications, our fiber optic distribution breakout assemblies deliver superior performance, ensuring optimal signal integrity and minimal loss.

The Pasternack PE3FCA442 indoor OM5 fiber optic distribution cable offers cutting-edge Wideband Multimode Fiber (WBMMF) technology, making it an ideal choice for next-generation networking. Supporting at least four WDM channels at 28Gbps per channel over the 850-953nm wavelength range, this 12 fiber assembly is optimized for shortwave Wavelength Division Multiplexing (SWDM). It features LC UPC to LC UPC connectors, a lime green Plenum (OFNP) jacket, and a tight buffered aramid yarn construction for enhanced durability.

With a bandwidth of 28000MHz·km, Pasternack's PE3FCA442 OM5 fiber optic cable assembly provides high-speed, high-density connectivity for cloud computing, data centers, and 400G Ethernet applications. The 6.2mm overall diameter, 2.0mm breakout diameter, and 46.5mm (7.5D) minimum bend radius offer flexible installation options, while the 0°C to 60°C operating temperature ensures consistent performance in demanding network environments. Engineered for indoor high-speed deployments, this fiber optic assembly guarantees reliability and superior signal integrity. For further information on similar products, our expert technical support and trained sales team can get you the ideal fiber optic multi-fiber cable assembly as per your requirements.

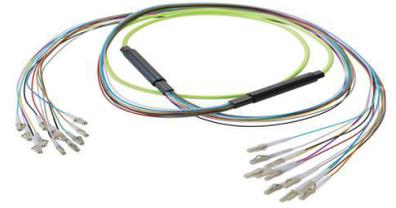
#### Configuration

Function	Breakout
Cable Type	12-Fiber Multimode
Mode	Multimode
Mode Class	OM5
Fiber Diameter	50/125 um
Connection 1 Type	LC
Connection 1 Polish	UPC
Connection 2 Type	LC
Connection 2 Polish	UPC
Cable Color	Lime Green

#### Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	30			dB

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**PE3FCA442**

**Optical Specifications**

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

**Mechanical Specifications**

**Cable Assembly**

Width/Diameter	6.2 mm
Weight	102.51 g [0.226 lbs]

**Cable**

Cable Type	Breakout
Static Bend Radius	47 mm
Dynamic Bend Radius	93 mm
Max Crush Resistance, Short Term (N/100mm)	1,000
Max Crush Resistance, Long Term (N/100mm)	300

**Connectors**

Description	Connector 1	Connector 2
Type	LC	LC
Connector Polish	UPC	UPC

**Environmental Specifications**

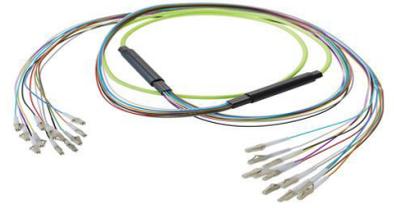
Operating Range Temperature	0 to +60 deg C
Storage Range Temperature	-20 to +60 deg C
Ingress Protection (IP) Rating	Non-Rated

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

**Plotted and Other Data**

Notes:

12-Fiber LC UPC to LC UPC, OM5 Multimode Distribution Cable, 6.2mm Plenum, 2.0mm breakout, Lime Green



**PE3FCA442**

**Typical Performance Data**

**How to Order**



Example:    PE3FCA442-12 = 12 inches long cable  
              PE3FCA442-100cm = 100 cm long cable

12-Fiber LC UPC to LC UPC, OM5 Multimode Distribution Cable, 6.2mm Plenum, 2.0mm breakout, Lime Green 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: [12-Fiber LC UPC to LC UPC, OM5 Multimode Distribution Cable, 6.2mm Plenum, 2.0mm breakout, Lime Green PE3FCA442](#)

URL: <https://www.pasternack.com/lc-lc-multimode-upc-fiber-optic-cable-assembly-pe3fca442-p.aspx>

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.

# PE3FCA442 CAD Drawing

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