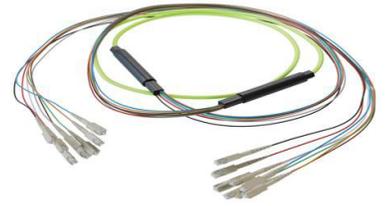


## 8-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Lime Green-10M



### PE3FCA377-10M

#### Features

- 8X SC UPC to 8X SC UPC
- Indoor multimode OM5
- Riser (OFNR) rated cable
- 5.6mm with tight buffer and aramid yarn strength member
- 2mm TIA 598 color coded, .5M breakout
- Suitable for ceilings and riser areas

#### 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 PE3FCA377-10M 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 PE3FCA377-10M 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 8 fiber assembly is optimized for shortwave Wavelength Division Multiplexing (SWDM). It features SC UPC to SC UPC connectors, a lime green Riser (OFNR) jacket, and a tight buffered aramid yarn construction for enhanced durability.

With a bandwidth of 28000MHz·km, Pasternack's PE3FCA377-10M OM5 fiber optic cable assembly provides high-speed, high-density connectivity for cloud computing, data centers, and 400G Ethernet applications. The 5.6mm overall diameter, 2.0mm breakout diameter, and 42mm (7.5D) minimum bend radius offer flexible installation options, while the -20°C to 70°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.

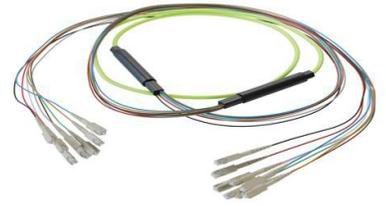
#### Configuration

Function	Breakout
Cable Type	8-Fiber Multimode
Mode	Multimode
Mode Class	OM5
Fiber Diameter	50/125 um
Connection 1 Type	SC
Connection 1 Polish	UPC
Connection 2 Type	SC
Connection 2 Polish	UPC
Cable Color	Lime Green

#### Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	30			dB

8-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Lime Green-10M



**PE3FCA377-10M**

**Optical Specifications**

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

**Mechanical Specifications**

**Cable Assembly**

Length	10 m [393.70 in]
Width/Diameter	5.6 mm
Weight	161.48 g [0.356 lbs]

**Cable**

Cable Type	Breakout
Static Bend Radius	42 mm
Dynamic Bend Radius	84 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	SC	SC
Connector Polish	UPC	UPC

**Environmental Specifications**

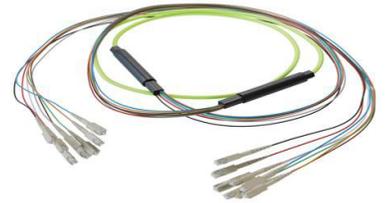
Operating Range Temperature	-20 to +70 deg C
Storage Range Temperature	-40 to +70 deg C
Ingress Protection (IP) Rating	Non-Rated

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

**Plotted and Other Data**

Notes:

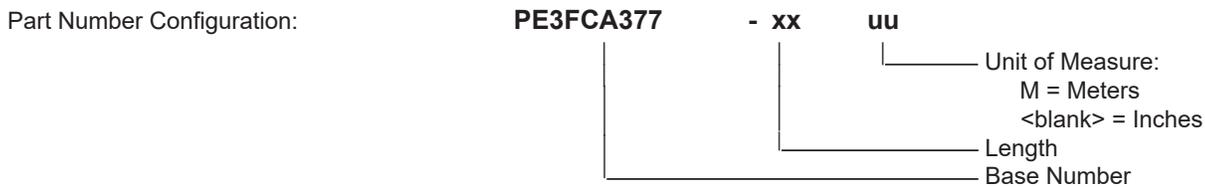
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**PE3FCA377-10M**

**Typical Performance Data**

**How to Order**



Example:    PE3FCA377-12 = 12 inches long cable  
              PE3FCA377-100cm = 100 cm long cable

8-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Lime Green-10M 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.

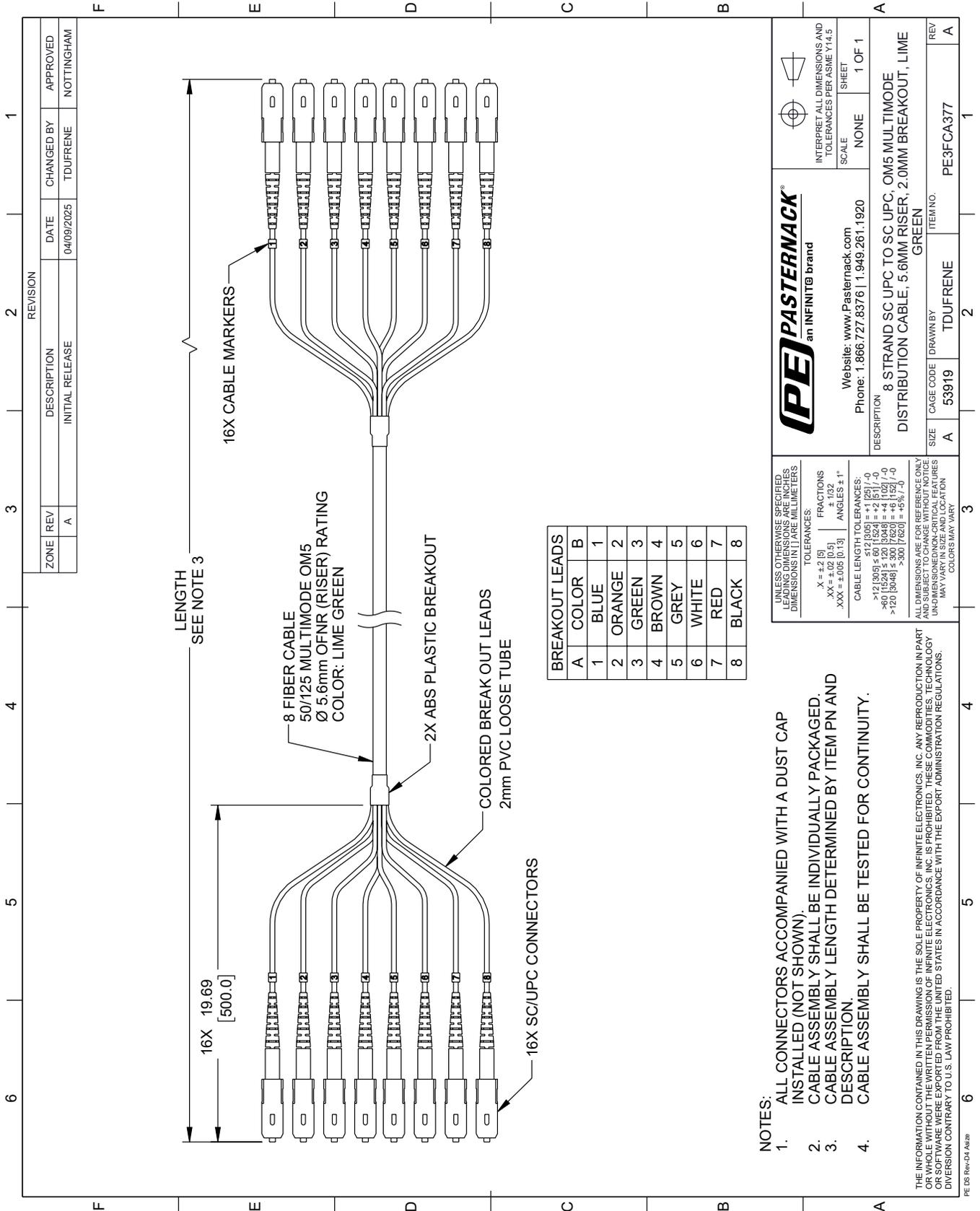
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [8-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Lime Green-10M PE3FCA377-10M](#)

URL: <https://www.pasternack.com/sc-sc-multimode-upc-fiber-optic-cable-assembly-pe3fca377-10m-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 impliment 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.

# PE3FCA377-10M CAD Drawing

8-Fiber SC UPC to SC UPC, OM5 Multimode Distribution Cable, 5.6mm Riser, 2.0mm breakout, Lime Green-10M



REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	04/09/2025	TDUFRENE	NOTTINGHAM

BREAKOUT LEADS	
A	B
1	BLUE 1
2	ORANGE 2
3	GREEN 3
4	BROWN 4
5	GREY 5
6	WHITE 6
7	RED 7
8	BLACK 8

**NOTES:**

- ALL CONNECTORS ACCOMPANIED WITH A DUST CAP INSTALLED (NOT SHOWN).
- CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.
- CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
- CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

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an INFINITO brand

Website: [www.Pasternack.com](http://www.Pasternack.com)  
Phone: 1.866.727.8376 | 1.949.261.1920

SCALE: NONE  
SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

DESCRIPTION: 8 STRAND SC UPC TO SC UPC, OM5 MULTIMODE DISTRIBUTION CABLE; 5.6MM RISER; 2.0MM BREAKOUT, LIME GREEN

SIZE	A	CAGE CODE	53919	DRAWN BY	TDUFRENE	ITEM NO.	PE3FCA377
REV	A						