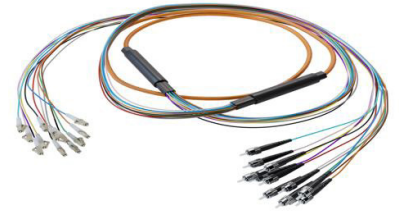


## 12-Fiber LC UPC to ST UPC, OM1 Multimode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Orange-10M



### PE3FCA405-10M

#### Features

- 12X LC UPC to 12X ST UPC
- Indoor multimode OM1
- Low Smoke Zero Halogen (LSZH) rated cable
- 6.2mm with tight buffer and aramid yarn strength member
- 2mm TIA 598 color coded, .5M breakout
- Suitable for confined installations where flame resistance is required

#### 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 like the PE3FCA405-10M from Pasternack are essential for efficient and reliable network infrastructures and part of a large selection of same day ship cable assemblies. Whether you need distribution assemblies for large-scale enterprise networks, fiber optic breakout assemblies for seamless connectivity, or fiber optic patch cord assemblies for precision connections, our solutions are engineered for durability and performance. Designed for various applications, including data centers, telecommunications, and industrial environments, our fiber optic distribution breakout assemblies ensure optimal signal integrity and minimal loss, making them the preferred choice for high-speed data transmission.

Our fiber optic distribution cables, including the Pasternack PE3FCA405-10M OM1 indoor fiber optic breakout assembly, cater to various bandwidth and distance requirements. Built with tight buffered aramid yarn construction, this 12-fiber multimode breakout assembly features LC UPC to ST UPC connectors and a Low Smoke Zero Halogen (LSZH) rated jacket for fire safety. The 6.2mm overall cable diameter, 2.0mm breakout diameter, and 62mm (10D) minimum bend radius ensure flexibility for indoor installations. Whether for data centers, structured cabling, or conduit routing, this assembly is designed to meet stringent industry standards.

The Pasternack PE3FCA405-10M OM1 fiber optic cable assembly provides 100Mb Ethernet support and 10Gb Ethernet up to 33 meters with a 62.5/125µm core size and an LED light source. With an operating temperature range of -20°C to 70°C, this assembly is ideal for confined installations where flame resistance is required. Engineered for low attenuation and high durability, the tight buffered fiber with aramid yarn reinforcement ensures exceptional performance in demanding network environments. For further information on similar fiber optic products, our expert technical support and trained sales team can get you the ideal fiber optic multi-fiber cable assembly as per your requirements.

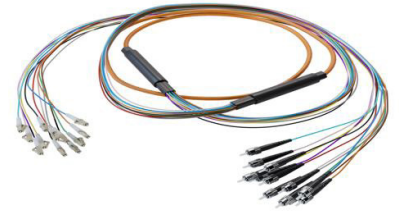
#### Configuration

Function	Breakout
Cable Type	12-Fiber Multimode
Mode	Multimode
Mode Class	OM1
Fiber Diameter	62.5/125 µm
Connection 1 Type	LC
Connection 1 Polish	UPC
Connection 2 Type	ST
Connection 2 Polish	UPC
Cable Color	Orange

#### Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	30			dB

12-Fiber LC UPC to ST UPC, OM1 Multimode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Orange-10M



**PE3FCA405-10M**

**Optical Specifications**

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

**Mechanical Specifications**

**Cable Assembly**

Length	10 m [393.70 in]
Width/Diameter	6.2 mm
Weight	186.88 g [0.412 lbs]

**Cable**

Cable Type	Breakout
Static Bend Radius	62 mm
Dynamic Bend Radius	124 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	ST
Connector Polish	UPC	UPC

**Environmental Specifications**

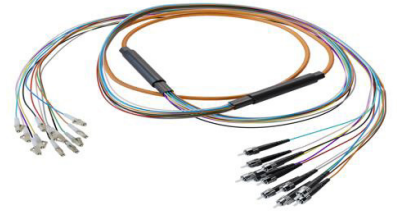
Operating Range Temperature	-20 to +70 deg C
Storage Range Temperature	-40 to +70 deg C
Ingress Protection (IP) Rating	Non-Rated

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

**Plotted and Other Data**

Notes:

12-Fiber LC UPC to ST UPC, OM1 Multimode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Orange-10M



**PE3FCA405-10M**

**Typical Performance Data**

**How to Order**



Example:    PE3FCA405-12 = 12 inches long cable  
              PE3FCA405-100cm = 100 cm long cable

12-Fiber LC UPC to ST UPC, OM1 Multimode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Orange-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.

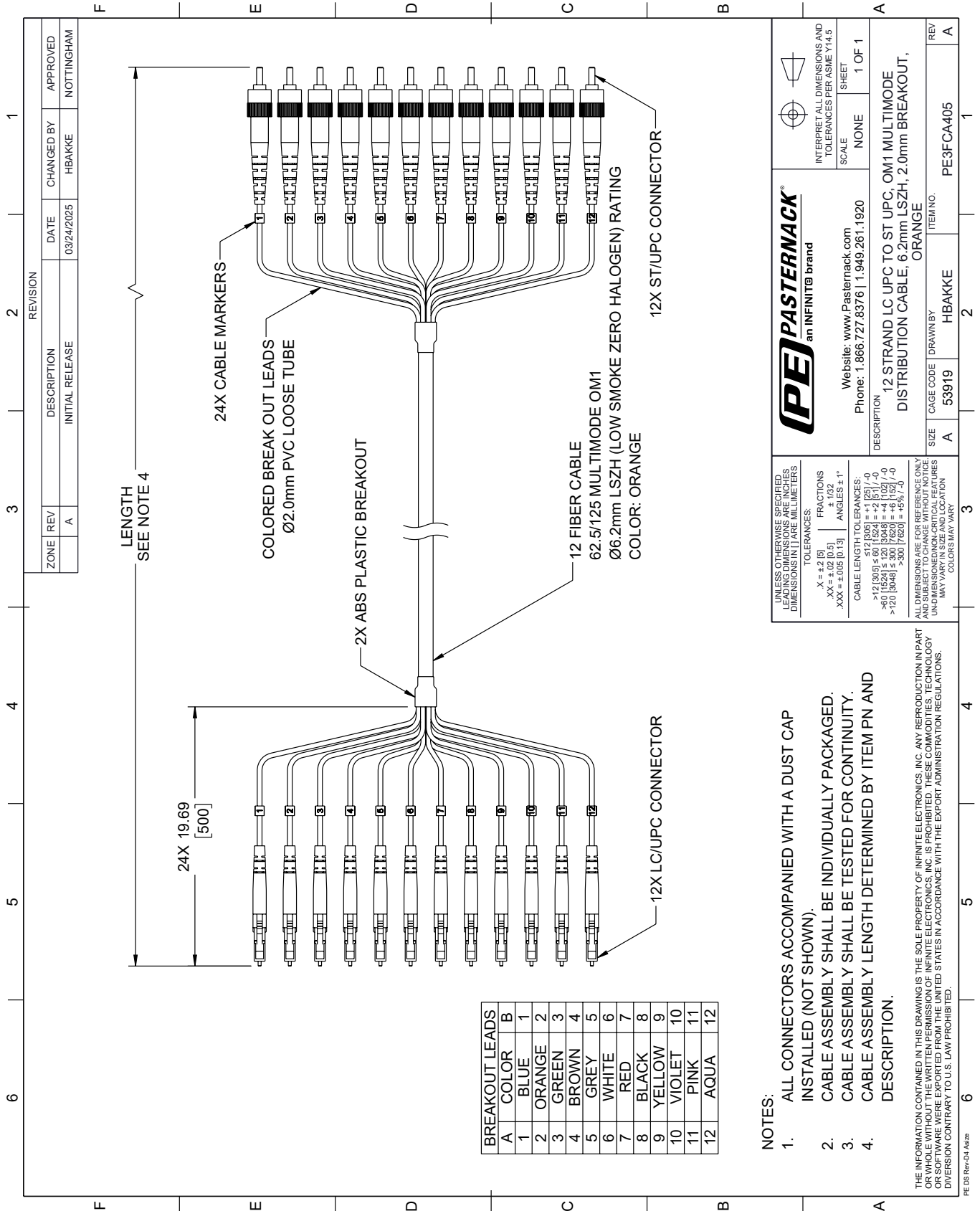
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [12-Fiber LC UPC to ST UPC, OM1 Multimode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Orange-10M PE3FCA405-10M](#)

URL: <https://www.pasternack.com/lc-st-multimode-upc-fiber-optic-cable-assembly-pe3fca405-10m-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.

# PE3FCA405-10M CAD Drawing

12-Fiber LC UPC to ST UPC, OM1 Multimode Distribution Cable, 6.2mm LSZH, 2.0mm breakout, Orange-10M



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
A		INITIAL RELEASE	03/24/2025	HBAKKE	NOTTINGHAM

LENGTH SEE NOTE 4

24X 19.69 [500]

BREAKOUT LEADS	A	COLOR	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	
9	YELLOW	9	
10	VIOLET	10	
11	PINK	11	
12	AQUA	12	

**NOTES:**

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

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVISION CONTRARY TO U.S. LAW PROHIBITED.

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

**TOLERANCES:**  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]

**FRACTIONS:**  
 ± 1/32

**ANGLES:** ± 1°

**CABLE LENGTH TOLERANCES:**  
 <12 [305] ≤ 60 [1524] = ±1 [25] / -0  
 >60 [1524] ≤ 120 [3048] = ±4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

**PE PASTERNAK®**  
an INFINITE brand

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

DESCRIPTION  
**12 STRAND LC UPC TO ST UPC, OM1 MULTIMODE DISTRIBUTION CABLE, 6.2mm LSZH, 2.0mm BREAKOUT, ORANGE**

SIZE	A	CAGE CODE	53919	DRAWN BY	HBAKKE	ITEM NO.	PE3FCA405
------	---	-----------	-------	----------	--------	----------	-----------

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1