

## Fiber Optic Patch Cable, Simplex SC APC to ST UPC, SM OS2, 2.0mm LSZH, Yellow-3M



### PE3FCA129-3M

#### Features

- Single Mode OS2 fiber optic cable assembly
- Simplex SC APC to ST UPC
- Indoor Low smoke zero halogen (LSZH) cable
- Suitable for confined installations where flame resistance is required
- Custom lengths available with the same fast delivery

#### Applications

- Telecom & Networking
- Data Centers
- Enterprise and Corporate Networks
- Broadcasting & Media Production
- Military & Defense
- Healthcare & Medical Imaging
- Transportation & Rail
- Oil & Gas

#### Description

The PE3FCA129-3M fiber optic patch cord is a robust and versatile fiber optic cable assembly from Pasternack designed for high-performance data transmission in various environments. Equipped with Simplex SC APC to ST UPC connectors, this simplex OS2 Single Mode fiber optic patch cable is optimized for indoor use, featuring a Low smoke zero halogen (LSZH) cable that ensures compliance with fire and safety standards. The 2.0mm diameter construction, combined with its Yellow color, makes it easy to identify in complex setups, while its operating temperature range of -20°C to +70C and storage temperature of -40C° to +70C provides reliable performance across diverse conditions.

The Pasternack PE3FCA129-3M fiber optic jumper is ideal for applications where reliable, long-range data connectivity is critical. The Single Mode design of the OS2 fiber offers stable, high-speed transmission over long distances, making it suitable for Telecom & Networking, Data Centers, and Corporate Networks. With the flexibility of custom lengths, Pasternack's PE3FCA129-3M fiber optic assembly can be tailored to meet specific installation requirements, ensuring efficient network management in high-density, fiber setups without compromising on delivery time or quality.

Beyond networking, the Pasternack PE3FCA129-3M fiber patch cord supports an array of industry applications, from Broadcasting & Media Production and Military & Defense to Healthcare & Medical Imaging. This fiber assembly offers a reliable and durable solution for any setting requiring high-quality data transmission in a controlled, indoor environment. For further information on similar fiber optic products, our expert technical support and trained sales team can get you the ideal fiber optic simplex cable assembly as per your requirements.

#### Configuration

Function	Patch
Cable Type	Simplex Single Mode
Mode	Single Mode
Mode Class	OS2
Fiber Diameter	9/125 um
Connection 1 Type	SC
Connection 1 Polish	APC
Connection 2 Type	ST
Connection 2 Polish	UPC
Cable Color	Yellow

#### Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	60			dB

Fiber Optic Patch Cable, Simplex SC APC to ST  
UPC, SM OS2, 2.0mm LSZH, Yellow-3M



## PE3FCA129-3M

### Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

### Mechanical Specifications

#### Cable Assembly

Length	3 m [118.11 in]
Width/Diameter	2 mm

#### Cable

Cable Type	Patch
Static Bend Radius	15 mm
Dynamic Bend Radius	30 mm
Max Crush Resistance, Short Term (N/100mm)	200
Max Crush Resistance, Long Term (N/100mm)	50

### Connectors

Description	Connector 1	Connector 2
Type	SC	ST
Connector Polish	APC	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:

Fiber Optic Patch Cable, Simplex SC APC to ST UPC, SM OS2, 2.0mm LSZH, Yellow-3M



## PE3FCA129-3M

### Typical Performance Data

### How to Order

Part Number Configuration:

**PE3FCA129**

- **xx**

**uu**

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA129-12 = 12 inches long cable  
PE3FCA129-100cm = 100 cm long cable

Fiber Optic Patch Cable, Simplex SC APC to ST UPC, SM OS2, 2.0mm LSZH, Yellow-3M 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.

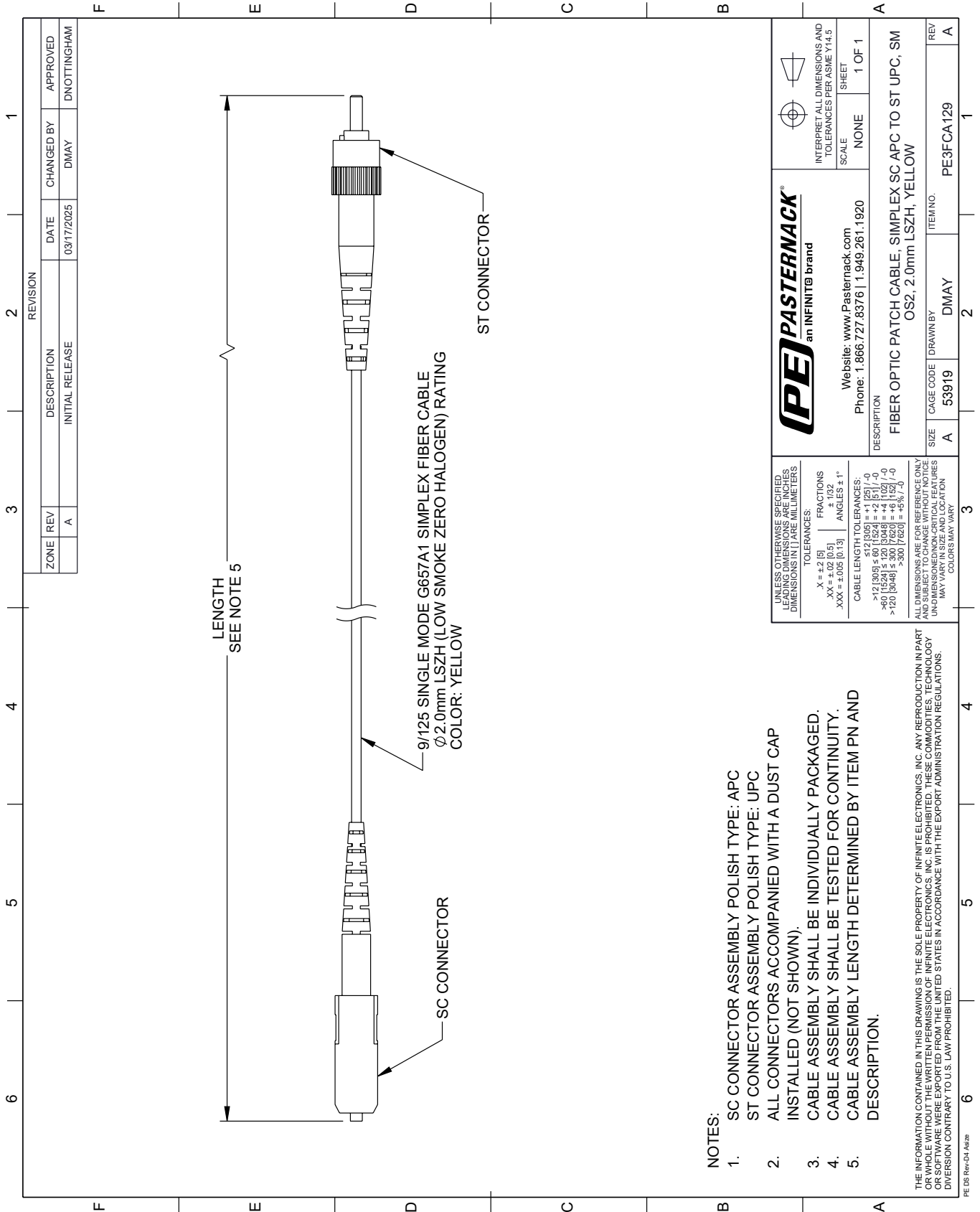
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Fiber Optic Patch Cable, Simplex SC APC to ST UPC, SM OS2, 2.0mm LSZH, Yellow-3M PE3FCA129-3M](#)

URL: <https://www.pasternack.com/sc-st-single-mode-st-fiber-optic-cable-assembly-pe3fca129-3m-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.

# PE3FCA129-3M CAD Drawing

Fiber Optic Patch Cable, Simplex SC APC to ST UPC, SM OS2, 2.0mm LSZH, Yellow-3M



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	A	03/17/2025	DMAY	DNOTTINGHAM
DESCRIPTION				
INITIAL RELEASE				

- NOTES:**
- SC CONNECTOR ASSEMBLY POLISH TYPE: APC
  - ST CONNECTOR ASSEMBLY POLISH TYPE: UPC
  - ALL CONNECTORS ACCOMPANIED WITH A DUST CAP INSTALLED (NOT SHOWN).
  - CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.
  - CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
  - CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

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<p>an INFINITE brand</p> <p>Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920</p>	<p>INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5</p>
	<p>SCALE: NONE</p> <p>SHEET: 1 OF 1</p>
<p>DESCRIPTION: FIBER OPTIC PATCH CABLE, SIMPLEX SC APC TO ST UPC, SM OS2, 2.0mm LSZH, YELLOW</p>	
<p>SIZE: A</p> <p>CAGE CODE: 53919</p> <p>DRAWN BY: DMAY</p> <p>ITEM NO.: PE3FCA129</p>	<p>REV: A</p>

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

**TOLERANCES:**

.X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [0.5]	ANGLES ± 1°
.XXX = ±.005 [0.13]	

**CABLE LENGTH TOLERANCES:**

>12 [305] ≤ 60 [1524] = ±1 [25] / -0
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0
>120 [3048] ≤ 300 [7620] = ±5% [7.6]

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