

Fiber Optic Patch Cable, Simplex LC APC to LC APC, SM OS2, 2.0mm Plenum, Yellow - 1 meter



PE3FCA029-1M

Features

- OS2 Single Mode G657A1 fiber optic cable assembly
- Simplex LC/APC to Simplex LC/APC
- 2.0mm Plenum rated cable for indoor applications
- 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 PE3FCA029-1 fiber optic patch cord from Pasternack is a robust and versatile fiber optic cable assembly designed for high-performance data transmission in various environments. Equipped with Simplex LC/APC to LC/APC connectors, this simplex OS2 Single Mode fiber optic patch cable is optimized for indoor use, featuring a Plenum rating 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 0°C to 60°C and storage temperature of -20°C to 60°C provides reliable performance across diverse conditions.

Pasternack's PE3FCA029-1 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, the PE3FCA029-1 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.

Beyond networking, the Pasternack PE3FCA029-1 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 | LC |
| Connection 1 Polish | APC |
| Connection 2 Type | LC |
| Connection 2 Polish | APC |
| Cable Color | Yellow |

Optical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------|---------|---------|---------|-------|
| Return Loss | 60 | | | dB |

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Optical Specifications

| Description | Minimum | Typical | Maximum | Units |
|----------------|---------|---------|---------|-------|
| Insertion Loss | | | 0.3 | dB |

Mechanical Specifications

Cable Assembly

| | |
|----------------|-------------------|
| Length | 1 m [39.37 in] |
| Width/Diameter | 2 mm |
| Weight | 226.8 g [0.5 lbs] |

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 | LC | LC |
| Connector Polish | APC | APC |

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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PE3FCA029-1M

Typical Performance Data

How to Order

Part Number Configuration:

PE3FCA029

- **xx**

uu

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA029-12 = 12 inches long cable
PE3FCA029-100cm = 100 cm long cable

Fiber Optic Patch Cable, Simplex LC APC to LC APC, SM OS2, 2.0mm Plenum, Yellow - 1 meter 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 LC APC to LC APC, SM OS2, 2.0mm Plenum, Yellow - 1 meter PE3FCA029-1M](#)

URL: <https://www.pasternack.com/lc-lc-single-mode-fiber-optic-cable-assembly-pe3fca029-1m-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.

PE3FCA029-1M CAD Drawing

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