

Fiber Optic Patch Cable, Simplex LC UPC to SC UPC, MM OM1, 2.0mm Riser, Orange



PE3FCA005

Features

- OM1 multimode fiber optic cable assembly
- Simplex LC/UPC to simplex SC/UPC
- 2.0mm Riser 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 PE3FCA005 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/UPC to SC/UPC connectors, this simplex OM1 multimode fiber cable assembly is optimized for indoor use, featuring a Riser rating that ensures compliance with fire and safety standards. The 2.0mm diameter construction, combined with its orange color, makes it easy to identify in complex setups, while its operating temperature range of -20°C to 70°C and storage temperature of -40°C to 70°C provides reliable performance across diverse conditions.

Pasternack's PE3FCA005 fiber optic jumper is ideal for applications where reliable, short-range data connectivity is critical. The multimode design of the OM1 fiber offers stable, high-speed transmission over short distances, making it suitable for Telecom & Networking, Data Centers, and Corporate Networks. With the flexibility of custom lengths, the PE3FCA005 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 PE3FCA005 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 Multimode |
| Mode | Multimode |
| Mode Class | OM1 |
| Fiber Diameter | 62.5/125 um |
| Connection 1 Type | LC |
| Connection 1 Polish | UPC |
| Connection 2 Type | SC |
| Connection 2 Polish | UPC |
| Cable Color | Orange |

Optical Specifications

| Description | Minimum | Typical | Maximum | Units |
|-------------|---------|---------|---------|-------|
| Return Loss | 30 | | | dB |

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Optical Specifications

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

Mechanical Specifications

Cable Assembly

| | |
|----------------|-------------------|
| Length | 0 mm [0.00 in] |
| Width/Diameter | 2 mm |
| Weight | 226.8 g [0.5 lbs] |

Cable

| | |
|--|-------|
| Cable Type | Patch |
| Static Bend Radius | 20 mm |
| Dynamic Bend Radius | 40 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 | 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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PE3FCA005

Typical Performance Data

How to Order

Part Number Configuration:

PE3FCA005

- xx

uu

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA005-12 = 12 inches long cable
PE3FCA005-100cm = 100 cm long cable

Fiber Optic Patch Cable, Simplex LC UPC to SC UPC, MM OM1, 2.0mm Riser, Orange 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 UPC to SC UPC, MM OM1, 2.0mm Riser, Orange PE3FCA005](#)

URL: <https://www.pasternack.com/lc-sc-multimode-fiber-optic-cable-assembly-pe3fca005-p.aspx>

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PE3FCA005 CAD Drawing
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