

## Fiber Optic Patch Cable, Simplex SC UPC to ST UPC, MM OM3, 2.0mm LSZH, Aqua-3M



### PE3FCA102-3M

#### Features

- Multimode OM3 fiber optic cable assembly
- Simplex SC UPC 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 PE3FCA102-3M fiber optic patch cord from Pasternack is a high-performance OM3 simplex fiber optic cable assembly designed for efficient data transmission across a range of demanding environments. Equipped with simplex SC UPC to ST UPC connectors, this simplex OM3 multimode fiber optic patch cable is engineered for indoor applications, featuring a Low Smoke Zero Halogen (LSZH) rating that meets fire and safety standards. Its 2.0mm diameter and Aqua color make it easy to manage within complex network infrastructures. With an operating temperature range of -20°C to 70°C and storage temperature of -40°C to 70°C, this fiber optic jumper is built to perform reliably across diverse conditions.

As an OM3 fiber optic jumper, Pasternack's PE3FCA102-3M is optimized for high-speed, high-bandwidth data transfer, supporting faster, longer-distance connectivity compared to OM1 fiber. This makes it ideal for applications such as Telecom & Networking, Data Centers, and Enterprise and Corporate Networks where extended reach and performance are critical. Custom lengths are available, allowing the fiber patch cable to be tailored to unique installation needs without affecting delivery times or quality.

In addition to networking, the Pasternack PE3FCA102-3M fiber optic patch cord is well-suited for industries such as Broadcasting & Media Production, Military & Defense, and Healthcare & Medical Imaging. This fiber optic assembly offers an adaptable and durable solution for any application requiring dependable, high-speed data transmission in indoor environments. 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          | OM3               |
| Fiber Diameter      | 50/125 um         |
| Connection 1 Type   | SC                |
| Connection 1 Polish | UPC               |
| Connection 2 Type   | ST                |
| Connection 2 Polish | UPC               |
| Cable Color         | Aqua Blue         |

#### 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         | 3 m [118.11 in]    |
| Width/Diameter | 2 mm               |
| Weight         | 498.95 g [1.1 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             | SC          | 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:

Fiber Optic Patch Cable, Simplex SC UPC to ST  
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## PE3FCA102-3M

### Typical Performance Data

### How to Order

Part Number Configuration:

**PE3FCA102**

**- xx**

**uu**

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA102-12 = 12 inches long cable  
PE3FCA102-100cm = 100 cm long cable

Fiber Optic Patch Cable, Simplex SC UPC to ST UPC, MM OM3, 2.0mm LSZH, Aqua-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 UPC to ST UPC, MM OM3, 2.0mm LSZH, Aqua-3M PE3FCA102-3M](#)

URL: <https://www.pasternack.com/sc-sc-multimode-sc-fiber-optic-cable-assembly-pe3fca102-3m-p.aspx>

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PE3FCA102-3M CAD Drawing
Fiber Optic Patch Cable, Simplex SC UPC to ST UPC, MM OM3, 2.0mm LSZH, Aqua-3M

