

## Fiber Optic Patch Cable, Simplex SC UPC to ST UPC, MM OM4, 2.0mm LSZH, Aqua-3M



### PE3FCA108-3M

#### Features

- Multimode OM4 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 PE3FCA108-3M fiber optic patch cord is a high-performance OM4 fiber optic cable assembly from Pasternack, tailored for superior data transmission in high-demand environments. Equipped with simplex SC UPC to ST UPC connectors, this OM4 simplex fiber optic patch cable is optimized for indoor use and comes with a Low Smoke Zero Halogen (LSZH) rating that adheres to fire and safety requirements. With a 2.0mm diameter and Aqua color, this fiber optic jumper is easily identifiable in complex network setups. With an operating temperature range of -20°C to 70°C and storage temperature of -40°C to 70°C, this fiber optic cable assembly is built to perform reliably across diverse conditions.

As an OM4 fiber optic jumper, Pasternack's PE3FCA108-3M is designed for ultra-high-speed, high-bandwidth data transmission, supporting greater distances and faster speeds than OM1 and OM3 fiber. This makes it ideal for Telecom & Networking, Data Centers, and Enterprise and Corporate Networks, where extended reach and top-tier fiber performance is crucial. Custom lengths are available to meet specific installation needs, providing flexibility for various setups while maintaining quick delivery and consistent quality.

Beyond standard networking, the Pasternack PE3FCA108-3M OM4 fiber patch cord supports specialized applications in industries like Broadcasting & Media Production, Military & Defense, and Healthcare & Medical Imaging. This fiber assembly delivers a versatile and durable solution for any setup requiring robust, high-speed data transmission in controlled 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          | OM4               |
| 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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## PE3FCA108-3M

### Typical Performance Data

### How to Order

Part Number Configuration:

**PE3FCA108**

**- xx**

**uu**

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA108-12 = 12 inches long cable  
PE3FCA108-100cm = 100 cm long cable

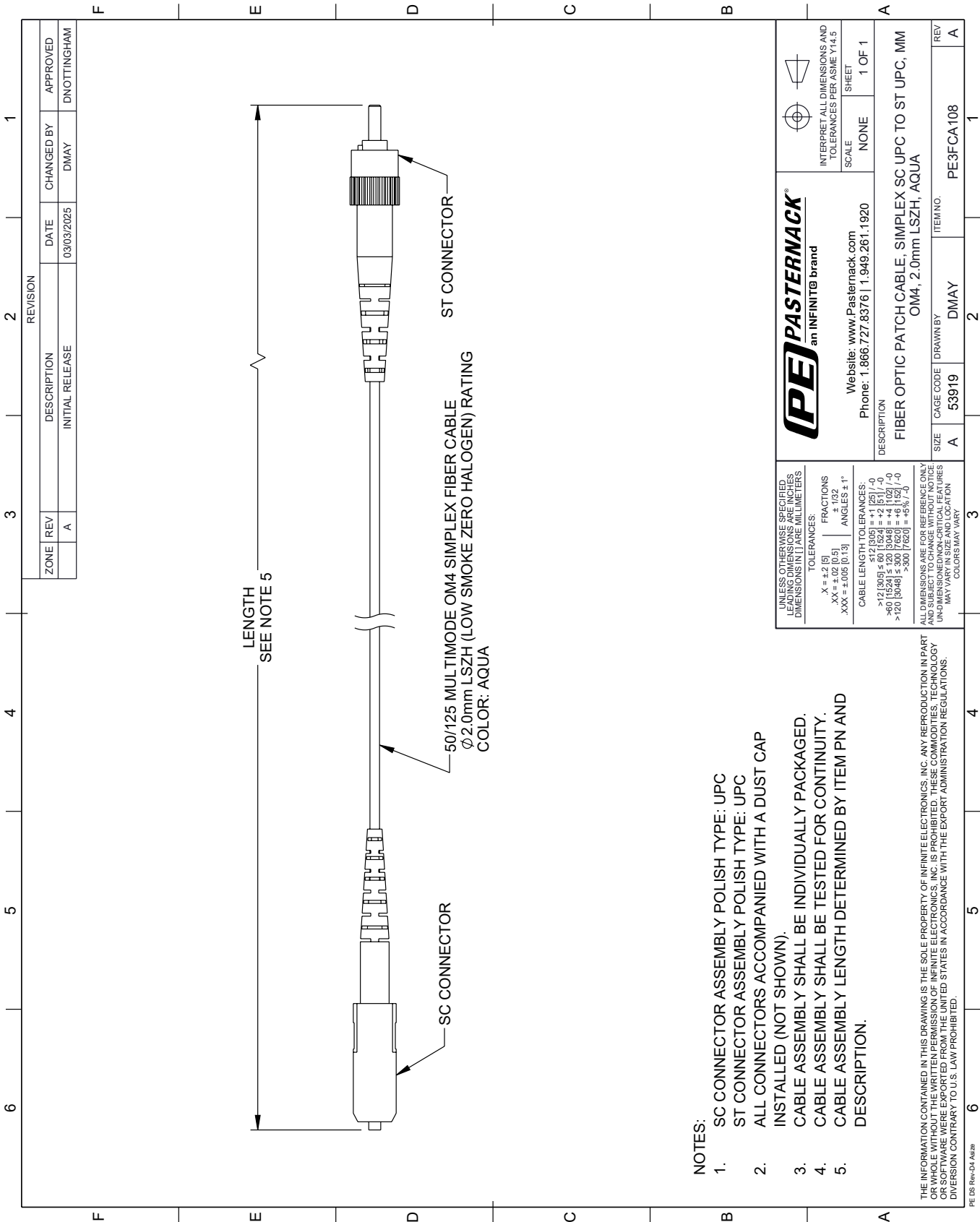
Fiber Optic Patch Cable, Simplex SC UPC to ST UPC, MM OM4, 2.0mm LSZH, Aqua-3M from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 OM4, 2.0mm LSZH, Aqua-3M PE3FCA108-3M](#)

URL: <https://www.pasternack.com/sc-sc-multimode-sc-fiber-optic-cable-assembly-pe3fca108-3m-p.aspx>

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PE3FCA108-3M CAD Drawing
Fiber Optic Patch Cable, Simplex SC UPC to ST UPC, MM OM4, 2.0mm LSZH, Aqua-3M



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

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