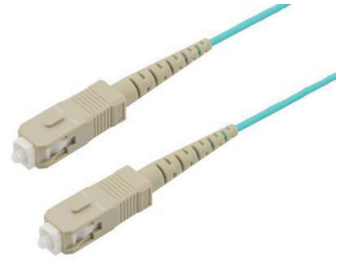


## Fiber Optic Patch Cable, Simplex SC UPC to SC UPC, MM OM4, 2.0mm Plenum , Aqua-7M



### PE3FCA103-7M

#### Features

- Multimode OM4 fiber optic cable assembly
- Simplex SC UPC to SC UPC
- Indoor Plenum (OFNP) cable
- Suitable for wall, ceiling, conduits, and between buildings
- 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 PE3FCA103-7M 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 SC UPC connectors, this OM4 simplex fiber optic patch cable is optimized for indoor use and comes with a Plenum (OFNP) 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 0°C to 60°C and storage temperature of -20°C to 60°C, this fiber optic cable assembly is built to perform reliably across diverse conditions.

As an OM4 fiber optic jumper, Pasternack's PE3FCA103-7M 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 PE3FCA103-7M 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.

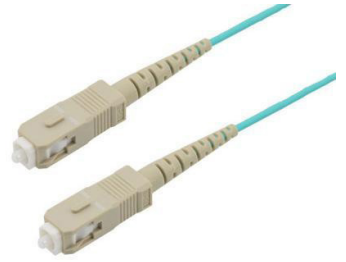
#### Configuration

|                     |                   |
|---------------------|-------------------|
| 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   | SC                |
| Connection 2 Polish | UPC               |
| Cable Color         | Aqua Blue         |

#### Optical Specifications

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

Fiber Optic Patch Cable, Simplex SC UPC to SC  
UPC, MM OM4, 2.0mm Plenum , Aqua-7M



## PE3FCA103-7M

### Optical Specifications

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

### Mechanical Specifications

#### Cable Assembly

|                |                   |
|----------------|-------------------|
| Length         | 7 m [275.59 in]   |
| Width/Diameter | 2 mm              |
| Weight         | 1.04 kg [2.3 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          | SC          |
| Connector Polish | UPC         | UPC         |

### Environmental Specifications

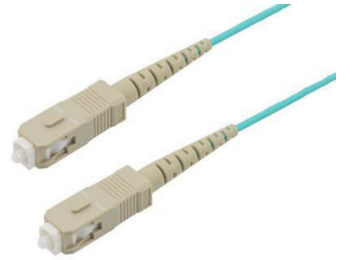
|                                |                  |
|--------------------------------|------------------|
| Operating Range Temperature    | 0 to +60 deg C   |
| Storage Range Temperature      | -20 to +60 deg C |
| Ingress Protection (IP) Rating | Non-Rated        |

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

Fiber Optic Patch Cable, Simplex SC UPC to SC  
UPC, MM OM4, 2.0mm Plenum , Aqua-7M



## PE3FCA103-7M

### Typical Performance Data

### How to Order

Part Number Configuration:

**PE3FCA103**

**- xx**

**uu**

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA103-12 = 12 inches long cable  
PE3FCA103-100cm = 100 cm long cable

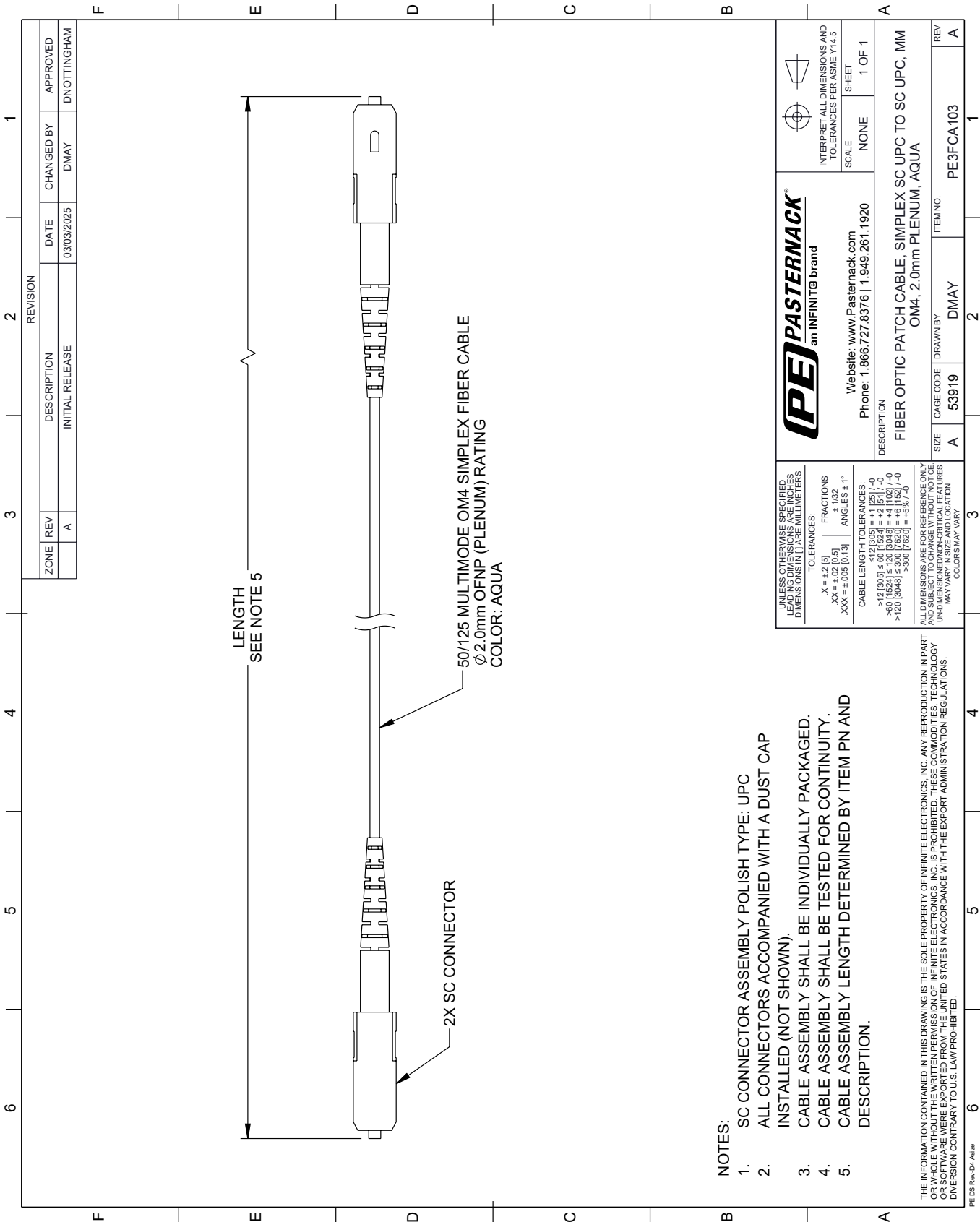
Fiber Optic Patch Cable, Simplex SC UPC to SC UPC, MM OM4, 2.0mm Plenum , Aqua-7M from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 SC UPC, MM OM4, 2.0mm Plenum , Aqua-7M PE3FCA103-7M](#)

URL: <https://www.pasternack.com/sc-sc-multimode-sc-fiber-optic-cable-assembly-pe3fca103-7m-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.

PE3FCA103-7M CAD Drawing
Fiber Optic Patch Cable, Simplex SC UPC to SC UPC, MM OM4, 2.0mm Plenum , Aqua-7M



NOTES:

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

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Website: www.Pasternack.com  
Phone: 1.866.727.8376 | 1.949.261.1920

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE: NONE SHEET: 1 OF 1

DESCRIPTION: FIBER OPTIC PATCH CABLE; SIMPLEX SC UPC TO SC UPC, MM OM4, 2.0mm PLENUM, AQUA

|      |           |          |           |     |
|------|-----------|----------|-----------|-----|
| SIZE | CAGE CODE | DRAWN BY | ITEM NO.  | REV |
| A    | 53919     | DMAY     | PE3FCA103 | A   |