

## Fiber Optic Patch Cable, Dual SC UPC to SC UPC, MM OM3, 2.0mm Riser, Aqua-7M



### PE3FCA149-7M

#### Features

- Multimode OM3 indoor fiber optic cable assembly
- Dual SC UPC to Dual SC UPC
- Indoor Riser (OFNR) cable
- Suitable for ceilings and riser areas
- 2.0mm x 4.1mm duplex zip-cord
- 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 PE3FCA149-7M fiber optic patch cord from Pasternack is a high-performance OM3 fiber optic cable assembly designed for efficient data transmission across a range of demanding environments. Equipped with Dual SC UPC to Dual SC UPC connectors, this duplex OM3 multimode fiber optic patch cable is engineered for indoor applications, featuring a Riser (OFNR) cable that meets fire and safety standards. Its 2.0mm x 4.1mm 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 PE3FCA149-7M 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 PE3FCA149-7M OM3 fiber patch cord is well-suited for industries such as Broadcasting & Media Production, Military & Defense, and Healthcare & Medical Imaging. This fiber 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 duplex cable assembly as per your requirements.

#### Configuration

Function	Patch
Cable Type	Duplex Multimode
Mode	Multimode
Mode Class	OM3
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, Dual SC UPC to SC  
UPC, MM OM3, 2.0mm Riser, Aqua-7M



## PE3FCA149-7M

### 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	1.29 kg [2.85 lbs]

#### Cable

Cable Type	Patch
Static Bend Radius	15 mm
Dynamic Bend Radius	30 mm
Max Crush Resistance, Short Term (N/100mm)	300
Max Crush Resistance, Long Term (N/100mm)	100

### Connectors

Description	Connector 1	Connector 2
Type	SC	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:

Fiber Optic Patch Cable, Dual SC UPC to SC  
UPC, MM OM3, 2.0mm Riser, Aqua-7M



## PE3FCA149-7M

### Typical Performance Data

### How to Order

Part Number Configuration:

**PE3FCA149**

**- xx**

**uu**

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA149-12 = 12 inches long cable  
PE3FCA149-100cm = 100 cm long cable

Fiber Optic Patch Cable, Dual SC UPC to SC UPC, MM OM3, 2.0mm Riser, 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, Dual SC UPC to SC UPC, MM OM3, 2.0mm Riser, Aqua-7M PE3FCA149-7M](#)

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PE3FCA149-7M CAD Drawing
Fiber Optic Patch Cable, Dual SC UPC to SC UPC, MM OM3, 2.0mm Riser, Aqua-7M

