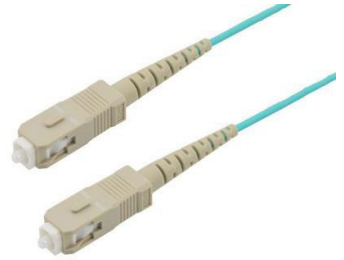


Fiber Optic Patch Cable, Simplex SC UPC to SC UPC, MM OM3, 2.0mm Plenum, Aqua-1M



PE3FCA097-1M

Features

- Multimode OM3 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 PE3FCA097-1M 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 SC UPC connectors, this simplex OM3 multimode fiber optic patch cable is engineered for indoor applications, featuring a Plenum (OFNP) 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 0°C to 60°C and storage temperature of -20°C to 60°C, this fiber optic jumper is built to perform reliably across diverse conditions.

As an OM3 fiber optic jumper, Pasternack's PE3FCA097-1M 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 PE3FCA097-1M 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.

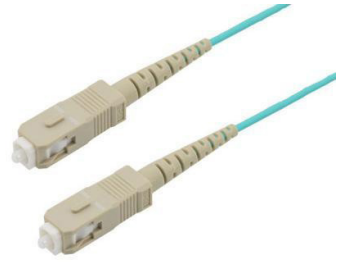
Configuration

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	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 OM3, 2.0mm Plenum, Aqua-1M



PE3FCA097-1M

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

Mechanical Specifications

Cable Assembly

Length	1 m [39.37 in]
Width/Diameter	2 mm
Weight	226.8 g [0.5 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

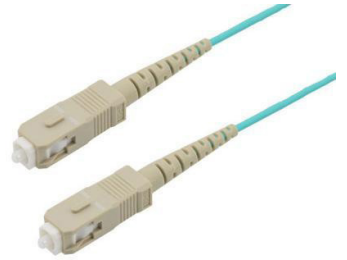
Operating Range Temperature	0 to +60 deg C
Storage Range Temperature	-20 to +60 deg C
Ingress Protection (IP) Rating	Non-Rated

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

Plotted and Other Data

Notes:

Fiber Optic Patch Cable, Simplex SC UPC to SC
UPC, MM OM3, 2.0mm Plenum, Aqua-1M



PE3FCA097-1M

Typical Performance Data

How to Order

Part Number Configuration:

PE3FCA097

- xx

uu

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA097-12 = 12 inches long cable
PE3FCA097-100cm = 100 cm long cable

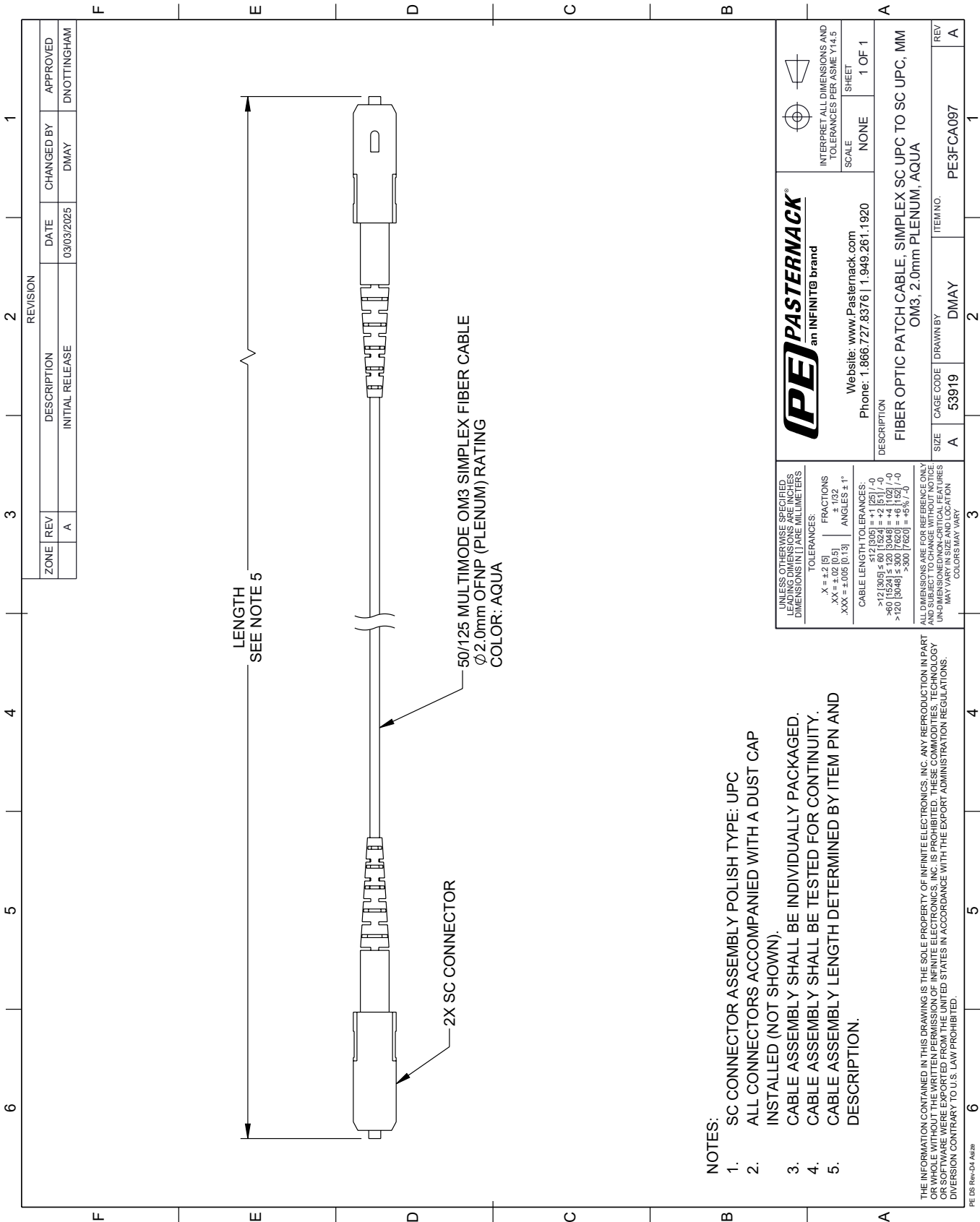
Fiber Optic Patch Cable, Simplex SC UPC to SC UPC, MM OM3, 2.0mm Plenum, Aqua-1M from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 OM3, 2.0mm Plenum, Aqua-1M PE3FCA097-1M](#)

URL: <https://www.pasternack.com/sc-sc-multimode-sc-fiber-optic-cable-assembly-pe3fca097-1m-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.

PE3FCA097-1M CAD Drawing
Fiber Optic Patch Cable, Simplex SC UPC to SC UPC, MM OM3, 2.0mm Plenum, Aqua-1M



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

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [] ARE MILLIMETERS		PE PASTERNAK an INFINITI® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: www.Pasternack.com		SCALE	
X = ±.2 [5]		Phone: 1.866.727.8376 1.949.261.1920		NONE	
.XX = ±.02 [0.5]				SHEET	
.XXX = ±.005 [0.13]				1 OF 1	
ANGLES ± 1°					
CABLE LENGTH TOLERANCES:		DESCRIPTION			
>12 [305] ≤ 60 [1524] = ±1 [25] / -0		FIBER OPTIC PATCH CABLE, SIMPLEX SC UPC TO SC UPC, MM OM3, 2.0mm PLENUM, AQUA			
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0					
>120 [3048] ≤ 300 [7620] = ±5% / -0					
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		SIZE		REV	
		A		A	
		CAGE CODE		ITEM NO.	
		53919		PE3FCA097	
		DRAWN BY			
		DMAY			