

Fiber Optic Patch Cable, Dual SC UPC to ST UPC, MM OM4, 2.0mm Riser, Aqua-1M



PE3FCA158-1M

Features

- Multimode OM4 indoor fiber optic cable assembly
- Dual SC UPC to Dual ST 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 PE3FCA158-1M fiber optic patch cord is a high-performance OM4 fiber optic cable assembly, tailored for superior data transmission in high-demand environments. Equipped with Dual SC UPC to Dual ST UPC connectors, this OM4 duplex fiber optic patch cable is optimized for indoor use and comes with a Riser (OFNR) cable that adheres to fire and safety requirements. With a 2.0mm x 4.1mm diameter and aqua color, this fiber optic jumper is easily identifiable in complex network setups. Its operating temperature range of -20°C to 70°C and storage temperature of -40°C to 70°C ensures reliable operation across a variety of environmental conditions.

As an OM4 fiber optic jumper, Pasternack's PE3FCA158-1M 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 PE3FCA158-1M 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 duplex cable assembly as per your requirements.

Configuration

Function	Patch
Cable Type	Duplex 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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PE3FCA158-1M

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	340.19 g [0.75 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	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, Dual SC UPC to ST
UPC, MM OM4, 2.0mm Riser, Aqua-1M



PE3FCA158-1M

Typical Performance Data

How to Order

Part Number Configuration: **PE3FCA158 - xx uu**

Unit of Measure:
M = Meters
<blank> = Inches

Length

Base Number

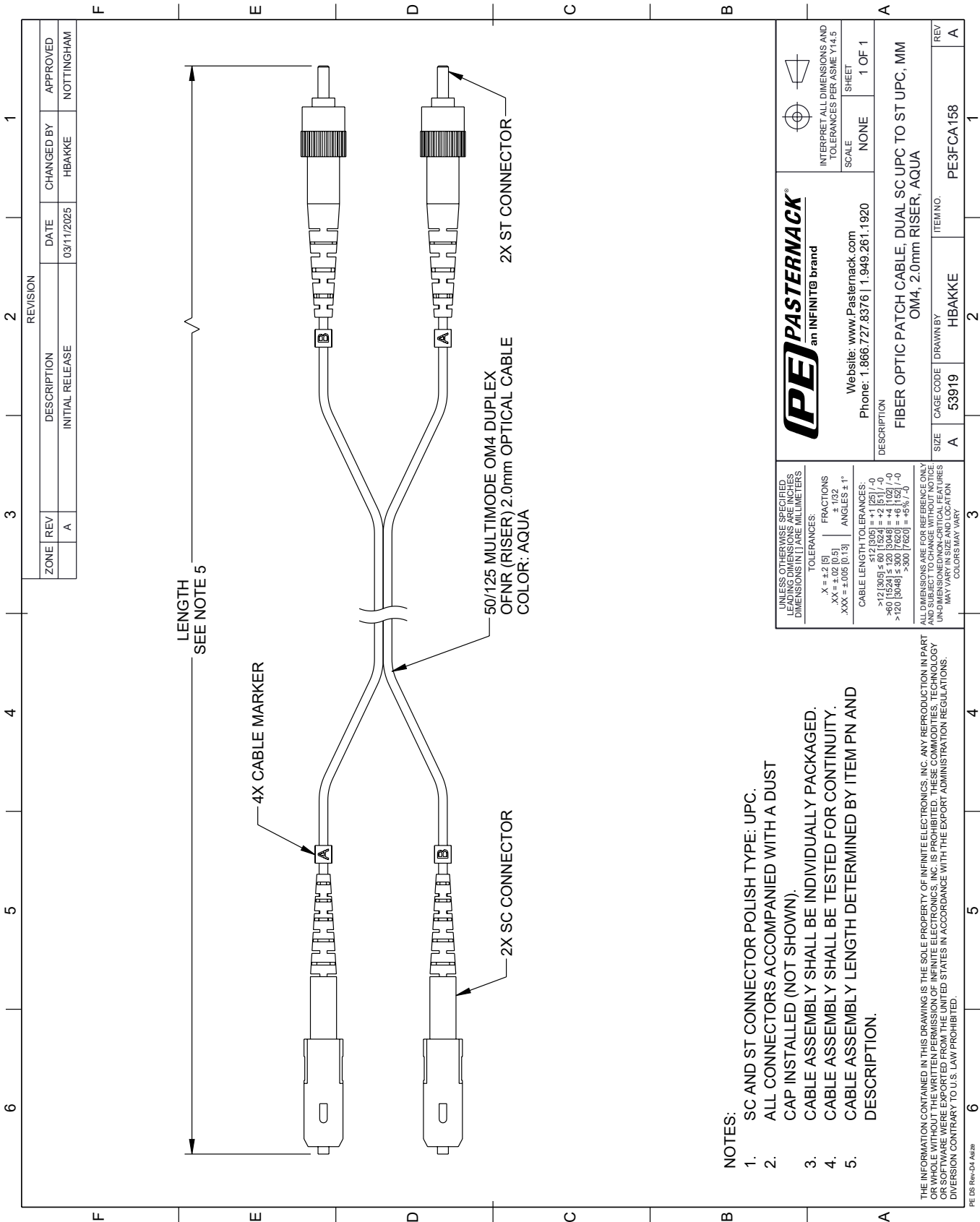
Example: PE3FCA158-12 = 12 inches long cable
PE3FCA158-100cm = 100 cm long cable

Fiber Optic Patch Cable, Dual SC UPC to ST UPC, MM OM4, 2.0mm Riser, 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, Dual SC UPC to ST UPC, MM OM4, 2.0mm Riser, Aqua-1M PE3FCA158-1M](#)

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.

PE3FCA158-1M CAD Drawing
Fiber Optic Patch Cable, Dual SC UPC to ST UPC, MM OM4, 2.0mm Riser, Aqua-1M



- NOTES:
- 1. SC AND ST CONNECTOR 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 INFINITO 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	
FRACTIONS					
± 1/32					
ANGLES ± 1°					
CABLE LENGTH TOLERANCES:					
±.12 [305]					
>.12 [305] ≤ .60 [1524] = ±.12 [305] / -0					
>.60 [1524] ≤ 120 [3048] = ±.12 [305] / -0					
>120 [3048] ≤ 300 [7620] = ±.12 [305] / -0					
>300 [7620] = ±.12 [305] / -0					
ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE TO THE CENTER OF THE CABLE. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE TO THE CENTER OF THE CABLE. DIMENSIONS MAY VARY.					
COLORS MAY VARY					
DESCRIPTION		FIBER OPTIC PATCH CABLE, DUAL SC UPC TO ST UPC, MM OM4, 2.0mm RISER, AQUA			
SIZE		CAGE CODE		ITEM NO.	
A		53919		PE3FCA158	
DRAWN BY		HBAKKE		REV	
A		A		A	