

## Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, MM OM4, 2.0mm Plenum, Aqua-1M



### PE3FCA535-1M

#### Features

- Multimode OM4 indoor fiber optic cable assembly
- Dual ST UPC to Dual ST UPC
- Indoor Plenum (OFNP) rated cable
- Suitable for wall, ceiling, conduits, and between buildings
- 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 PE3FCA535-1M 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 ST UPC to Dual ST UPC connectors, this OM4 duplex fiber optic patch cable is optimized for indoor use and comes with a Plenum (OFNP) rated 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 0°C to 60°C and storage temperature of -20°C to 60°C ensures reliable operation across a variety of environmental conditions.

As an OM4 fiber optic jumper, Pasternack's PE3FCA535-1M 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 PE3FCA535-1M 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	ST
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

Fiber Optic Patch Cable, Duplex ST UPC to ST  
UPC, MM OM4, 2.0mm Plenum, Aqua-1M



## PE3FCA535-1M

### 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	16.78 g [0.037 lbs]

#### Cable

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

### Connectors

Description	Connector 1	Connector 2
Type	ST	ST
Connector Polish	UPC	UPC

### Environmental Specifications

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

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

DFARS Compliant	60
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### Plotted and Other Data

Notes:

Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, MM OM4, 2.0mm Plenum, Aqua-1M



## PE3FCA535-1M

### Typical Performance Data

### How to Order

Part Number Configuration:

**PE3FCA535**

- **xx**

**uu**

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA535-12 = 12 inches long cable  
PE3FCA535-100cm = 100 cm long cable

Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, MM OM4, 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.

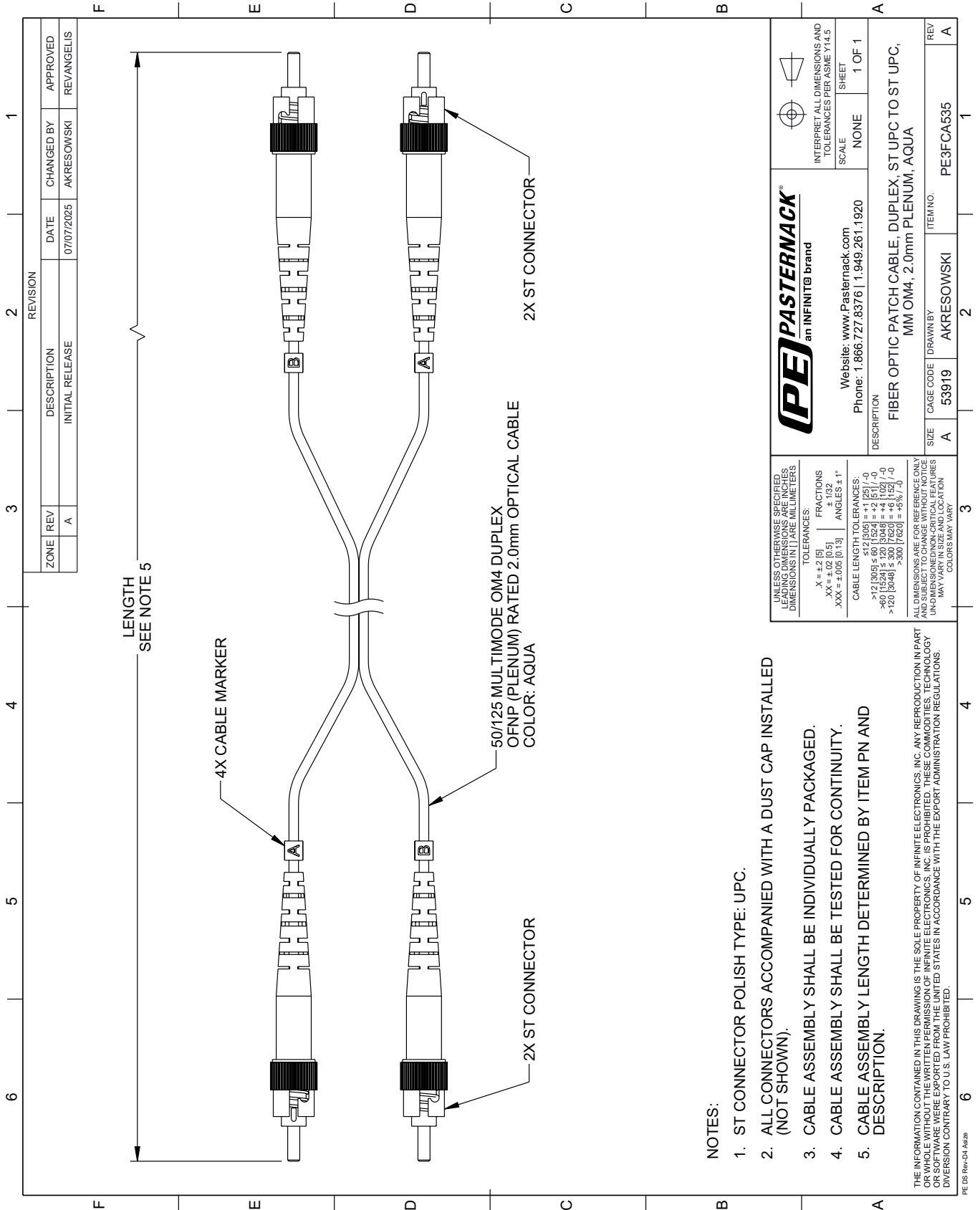
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, MM OM4, 2.0mm Plenum, Aqua-1M PE3FCA535-1M](#)

URL: <https://www.pasternack.com/st-st-multimode-50-125-mm-duplex-plenum-fiber-patch-cable-om4-fiber-optic-cable-assembly-pe3fca535-1m-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 impliment 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.

# PE3FCA535-1M CAD Drawing

Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, MM OM4, 2.0mm Plenum, Aqua-1M



REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV	DESCRIPTION	INITIAL RELEASE	
	A			REVANGELIS

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5  
SCALE: NONE  
SHEET: 1 OF 1

DESCRIPTION: FIBER OPTIC PATCH CABLE, DUPLEX, ST UPC TO ST UPC, MM OM4, 2.0mm PLENUM, AQUA

SIZE	A	CAGE CODE	53919	DRAWN BY	AKRESOWSKI	ITEM NO.	PE3FCA535
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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.

TOLERANCES:  
 .X = ±.2 [5]  
 .XX = ±.02 [0.5]  
 .XXX = ±.005 [0.13]  
 FRACTIONS: ± 1/32  
 ANGLES: ± 1°

CABLE LENGTH TOLERANCES:  
 >12 [305] ≤ 60 [1524] = ±1 [25] / -0  
 >60 [1524] ≤ 120 [3048] = ±4 [102] / -0  
 >120 [3048] ≤ 300 [7620] = ±5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE NON-CRITICAL FEATURES. MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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PE DS Rev-04 Add

- NOTES:
1. 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.