

Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, MM OM1, 2.0mm LSZH, Orange-1M



PE3FCA531-1M

Features

- Multimode OM1 indoor fiber optic cable assembly
- Dual ST UPC to Dual ST UPC
- Indoor Low Smoke Zero Halogen (LSZH) cable
- Suitable for confined installations where flame resistance is required
- 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 PE3FCA531-1M fiber optic patch cord from Pasternack is a robust and versatile fiber optic cable assembly designed for high-performance data transmission in various environments. Equipped with Dual ST UPC to Dual ST UPC connectors, this duplex OM1 Multimode fiber optic patch cable is optimized for indoor use, featuring a Low Smoke Zero Halogen (LSZH) cable that ensures compliance with fire and safety standards. The 2.0mm x 4.1mm diameter construction, combined with its orange color, makes it easy to identify in complex setups, while its operating temperature range of -20°C to 70°C and storage temperature of -40°C to 70°C provides reliable performance across diverse conditions.

Pasternack's PE3FCA531-1M fiber optic jumper is ideal for applications where reliable, short-range data connectivity is critical. The multimode design of the OM1 fiber offers stable, high-speed transmission over short distances, making it suitable for Telecom & Networking, Data Centers, and Corporate Networks. With the flexibility of custom lengths, the Pasternack PE3FCA531-1M fiber optic assembly can be tailored to meet specific installation requirements, ensuring efficient network management in high-density setups without compromising on delivery time or quality.

Beyond networking, the Pasternack PE3FCA531-1M fiber patch cord supports an array of industry applications, from Broadcasting & Media Production and Military & Defense to Healthcare & Medical Imaging. This fiber assembly offers a reliable and durable solution for any setting requiring high-quality data transmission in a controlled, indoor environment. 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	OM1
Fiber Diameter	62.5/125 um
Connection 1 Type	ST
Connection 1 Polish	UPC
Connection 2 Type	ST
Connection 2 Polish	UPC
Cable Color	Orange

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	30			dB

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UPC, MM OM1, 2.0mm LSZH, Orange-1M



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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	40 mm
Dynamic Bend Radius	20 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	+70 to -20 deg C
Storage Range Temperature	-40 deg C
Ingress Protection (IP) Rating	Non-Rated

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

DFARS Compliant	70
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Plotted and Other Data

Notes:

Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, MM OM1, 2.0mm LSZH, Orange-1M



PE3FCA531-1M

Typical Performance Data

How to Order

Part Number Configuration:

PE3FCA531

- **xx**

uu

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA531-12 = 12 inches long cable
PE3FCA531-100cm = 100 cm long cable

Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, MM OM1, 2.0mm LSZH, Orange-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.

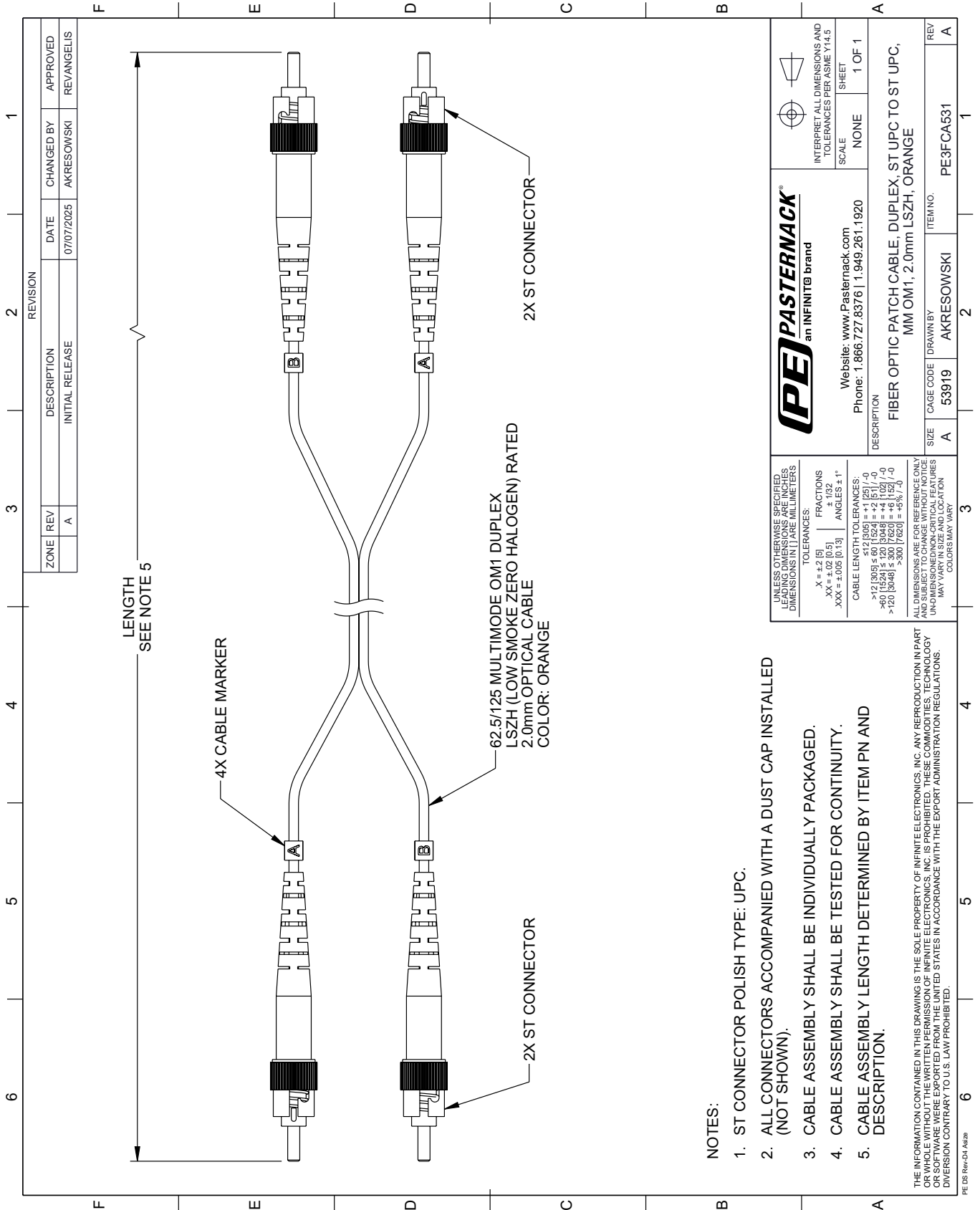
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, MM OM1, 2.0mm LSZH, Orange-1M PE3FCA531-1M](#)

URL: <https://www.pasternack.com/st-st-multimode-62.5-125-mm-duplex-lszh-fiber-patch-cable-om1-fiber-optic-cable-assembly-pe3fca531-1m-p.aspx>

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PE3FCA531-1M CAD Drawing

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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.

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

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES AND DIMENSIONS IN [] ARE MILLIMETERS.
TOLERANCES: X = ±.2 [5] FRACTIONS ±.132
XX = ±.02 [0.5] ANGLES ± 1°
XXX = ±.005 [0.13]

CABLE LENGTH TOLERANCES:
>12 [305] ≤ 60 [1524] = ±.1 [25] / -0
>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0
>120 [3048] ≤ 300 [7620] = ±.6 [152] / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNKNOWN DIMENSIONS/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

DESCRIPTION	SIZE	CAGE CODE	DRAWN BY	ITEM NO.
FIBER OPTIC PATCH CABLE, DUPLEX, ST UPC TO ST UPC, MM OM1, 2.0mm LSZH, ORANGE	A	53919	AKRESOWSKI	PE3FCA531