

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



PE3FCA471-1M

Features

- Multimode OM1 fiber optic cable assembly
- Simplex ST UPC to ST UPC
- Indoor Low Smoke Zero Halogen (LSZH) cable
- Suitable for confined installations where flame resistance is required
- 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 PE3FCA471-1M fiber optic patch cord from Pasternack is a robust and versatile simplex fiber optic cable assembly designed for high-performance data transmission in various environments. Equipped with simplex ST UPC to ST UPC connectors, this simplex OM1 Multimode fiber optic patch cable is optimized for indoor use, featuring a Low Smoke Zero Halogen (LSZH) rating that ensures compliance with fire and safety standards. The 2.0mm 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 PE3FCA471-1M 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 PE3FCA471-1M 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 PE3FCA471-1M fiber patch cord supports an array of industry applications, from Broadcasting & Media Production and Military & Defense to Healthcare & Medical Imaging. This Simplex fiber optic 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 simplex cable assembly as per your requirements.

Configuration

Function	Patch
Cable Type	Simplex 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



PE3FCA471-1M

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	8.16 g [0.018 lbs]

Cable

Cable Type	Patch
Static Bend Radius	20 mm
Dynamic Bend Radius	40 mm
Max Crush Resistance, Short Term (N/100mm)	200
Max Crush Resistance, Long Term (N/100mm)	50

Connectors

Description	Connector 1	Connector 2
Type	ST	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, Simplex ST UPC to ST UPC, MM OM1, 2.0mm LSZH, Orange-1M



PE3FCA471-1M

Typical Performance Data

How to Order

Part Number Configuration:

PE3FCA471

- **xx**

uu

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA471-12 = 12 inches long cable
PE3FCA471-100cm = 100 cm long cable

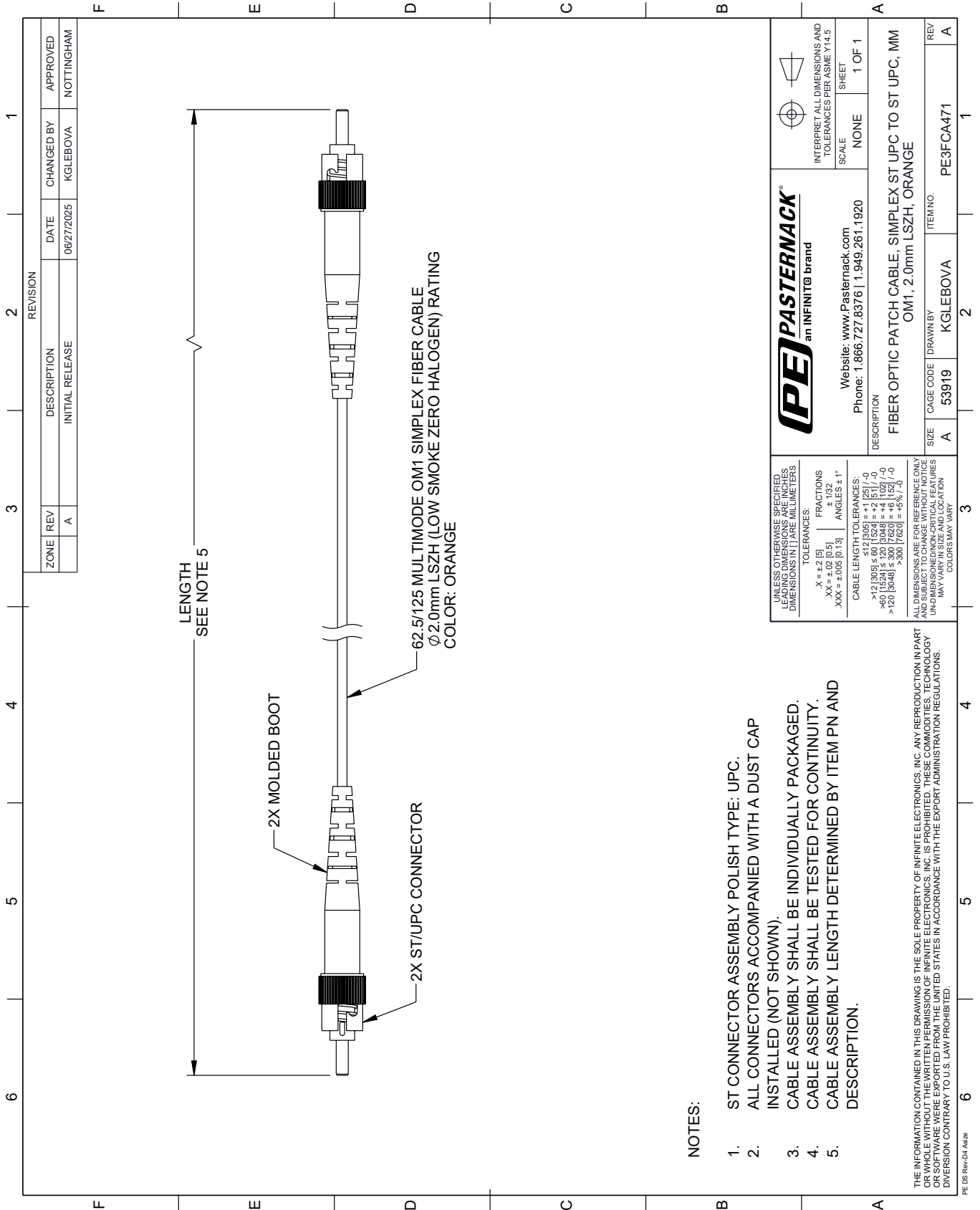
Fiber Optic Patch Cable, Simplex ST UPC to ST UPC, MM OM1, 2.0mm LSZH, Orange-1M from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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, Simplex ST UPC to ST UPC, MM OM1, 2.0mm LSZH, Orange-1M PE3FCA471-1M](#)

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PE3FCA471-1M CAD Drawing

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NOTES:

1. ST 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.

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PE DS Rev-04 Add2

REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	A	06/27/2025	KGLEBOVA	NOTTINGHAM
DESCRIPTION				
INITIAL RELEASE				

 an INFINITe brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE: NONE SHEET: 1 OF 1
DESCRIPTION FIBER OPTIC PATCH CABLE, SIMPLEX ST UPC TO ST UPC, MM OM1, 2.0mm LSZH, ORANGE			
SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	53919	KGLEBOVA	PE3FCA471

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 [15.24] = ±.2 [5.1] / -0
 > 12 [305] ≤ 60 [1524] = ±.4 [10.2] / -0
 > 60 [1524] ≤ 120 [3048] = ±.4 [10.2] / -0
 > 120 [3048] ≤ 300 [7620] = ±.6 [15.2] / -0

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