

Fiber Optic Patch Cable, Simplex FC UPC, NK to SC UPC, SM OS2, 2.0mm PVC, Yellow-3M



PE3FCA496-3M

Features

- Single Mode OS2 fiber optic cable assembly
- Simplex FC UPC to SC UPC
- Indoor PVC cable
- Suitable for general purpose areas
- 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 PE3FCA496-3M fiber optic patch cord is a robust and versatile fiber optic cable assembly from Pasternack designed for high-performance data transmission in various environments. Equipped with Simplex FC UPC to SC UPC connectors, this simplex OS2 Single Mode fiber optic patch cable is optimized for indoor use, featuring a PVC cable material. The 2.0mm diameter construction, combined with its Yellow 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.

The Pasternack PE3FCA496-3M fiber optic jumper is ideal for applications where reliable, long-range data connectivity is critical. The Single Mode design of the OS2 fiber offers stable, high-speed transmission over long distances, making it suitable for Telecom & Networking, Data Centers, and Corporate Networks. With the flexibility of custom lengths, Pasternack's PE3FCA496-3M 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 PE3FCA496-3M fiber patch cord supports an array of industry applications, from Broadcasting & Media Production and Military & Defense to Healthcare & Medical Imaging. This 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 optic products, our expert technical support and trained sales team can get you the ideal fiber optic simplex cable assembly as per your requirements.

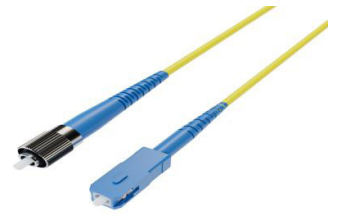
Configuration

Function	Patch
Cable Type	Simplex Single Mode
Mode	Single Mode
Mode Class	OS2
Fiber Diameter	9/125 um
Connection 1 Type	FC
Connection 1 Polish	UPC
Connection 2 Type	SC
Connection 2 Polish	UPC
Cable Color	Yellow

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	50			dB

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Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

Mechanical Specifications

Cable Assembly

Length	3 m [118.11 in]
Width/Diameter	2 mm
Weight	9.53 g [0.021 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	FC	SC
Specification	Key with of 1.95mm-2.05mm	
Connector Polish	UPC	UPC

Environmental Specifications

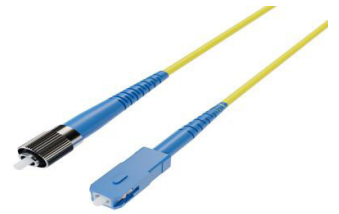
Operating Range Temperature	-20 to +70 deg C
Storage Range Temperature	-40 to +70 deg C
Ingress Protection (IP) Rating	Non-Rated

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

Plotted and Other Data

Notes:

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PE3FCA496-3M

Typical Performance Data

How to Order

Part Number Configuration:

PE3FCA496

- **xx**

uu

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA496-12 = 12 inches long cable
PE3FCA496-100cm = 100 cm long cable

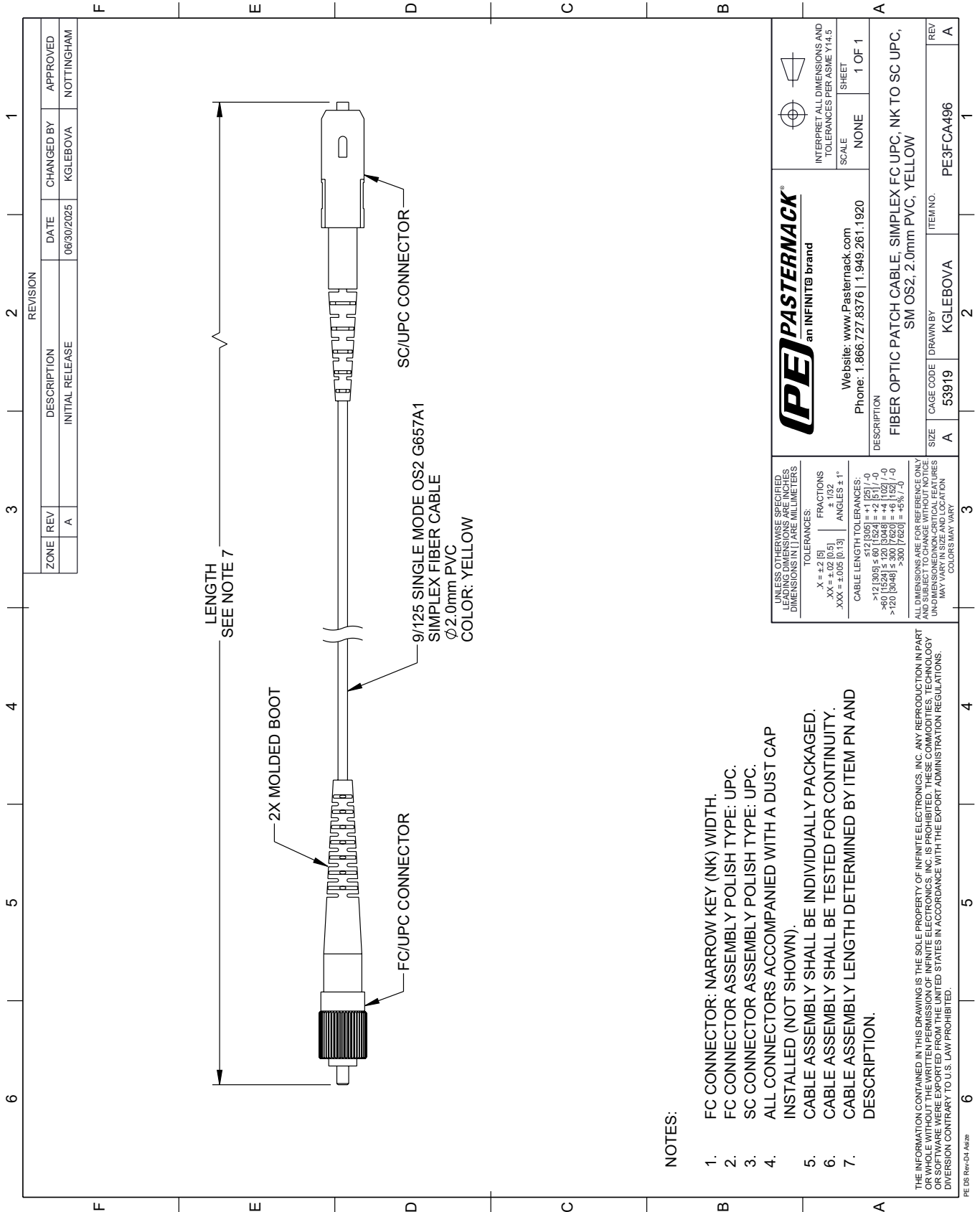
Fiber Optic Patch Cable, Simplex FC UPC, NK to SC UPC, SM OS2, 2.0mm PVC, Yellow-3M from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 FC UPC, NK to SC UPC, SM OS2, 2.0mm PVC, Yellow-3M PE3FCA496-3M](#)

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PE3FCA496-3M CAD Drawing

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NOTES:

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

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PE DS Rev-D4 Add2

REVISION		DATE	CHANGED BY	APPROVED	
ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
	A	INITIAL RELEASE	06/30/2025	KGLEBOVA	NOTTINGHAM

		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		SCALE	NONE
DESCRIPTION FIBER OPTIC PATCH CABLE, SIMPLEX FC UPC, NK TO SC UPC, SM OS2, 2.0mm PVC, YELLOW		SHEET	1 OF 1
SIZE	A	CAGE CODE	53919
ITEM NO.	PE3FCA496	DRAWN BY	KGLEBOVA

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

CABLE LENGTH TOLERANCES:	
>12 [305]	±.60 [1524]
>60 [1524]	±.120 [3048]
>120 [3048]	±.300 [7620]

ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS. UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE IN MILLIMETERS.

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