

Fiber Optic Patch Cable, Simplex FC APC, NK to ST UPC, SM OS2, 2.0mm LSZH, Yellow



PE3FCA141

Features

- Single mode OS2 indoor fiber optic cable assembly
- Simplex FC APC, narrow key 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
- Fiber Optic Test & Measurement
- Medical & Biomedical
- Military & Defense
- Industrial Automation & Sensing
- Scientific Research & High-Precision Optical Systems

Description

The PE3FCA141 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 APC, narrow key to ST UPC connectors, this simplex OS2 Single Mode fiber optic patch cable is optimized for indoor use, utilizing a Low smoke zero halogen (LSZH) cable. The FC connector offers a narrow key with of 1.95mm-2.05mm, ensuring optimum connectivity. 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 +70C and storage temperature of -40C° to +70C provides reliable performance across diverse conditions.

The Pasternack PE3FCA141 fiber optic jumper is ideal for applications where reliable, precision connectivity is critical. The Single Mode design of the OS2 fiber offers stable, high-speed transmission, making it suitable for Telecom & Networking, Data Centers, and Fiber Optic Test & Measurement. With the flexibility of custom lengths, Pasternack's PE3FCA141 fiber optic assembly can be tailored to meet specific installation requirements, ensuring efficient network management in high-density, fiber setups without compromising on delivery time or quality.

Beyond networking, the Pasternack PE3FCA141 fiber patch cord supports an array of industry applications, from Military & Defense to Scientific Research & High-Precision Optical Systems. 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 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	APC
Connection 2 Type	ST
Connection 2 Polish	UPC
Cable Color	Yellow

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	60			dB

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Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

Mechanical Specifications

Cable Assembly

Width/Diameter	2 mm
Weight	226.8 g [0.5 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	ST
Specification	Key width of 1.95mm-2.05mm	
Connector Polish	APC	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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PE3FCA141

Typical Performance Data

How to Order

Part Number Configuration:

PE3FCA141

- xx

uu

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA141-12 = 12 inches long cable
PE3FCA141-100cm = 100 cm long cable

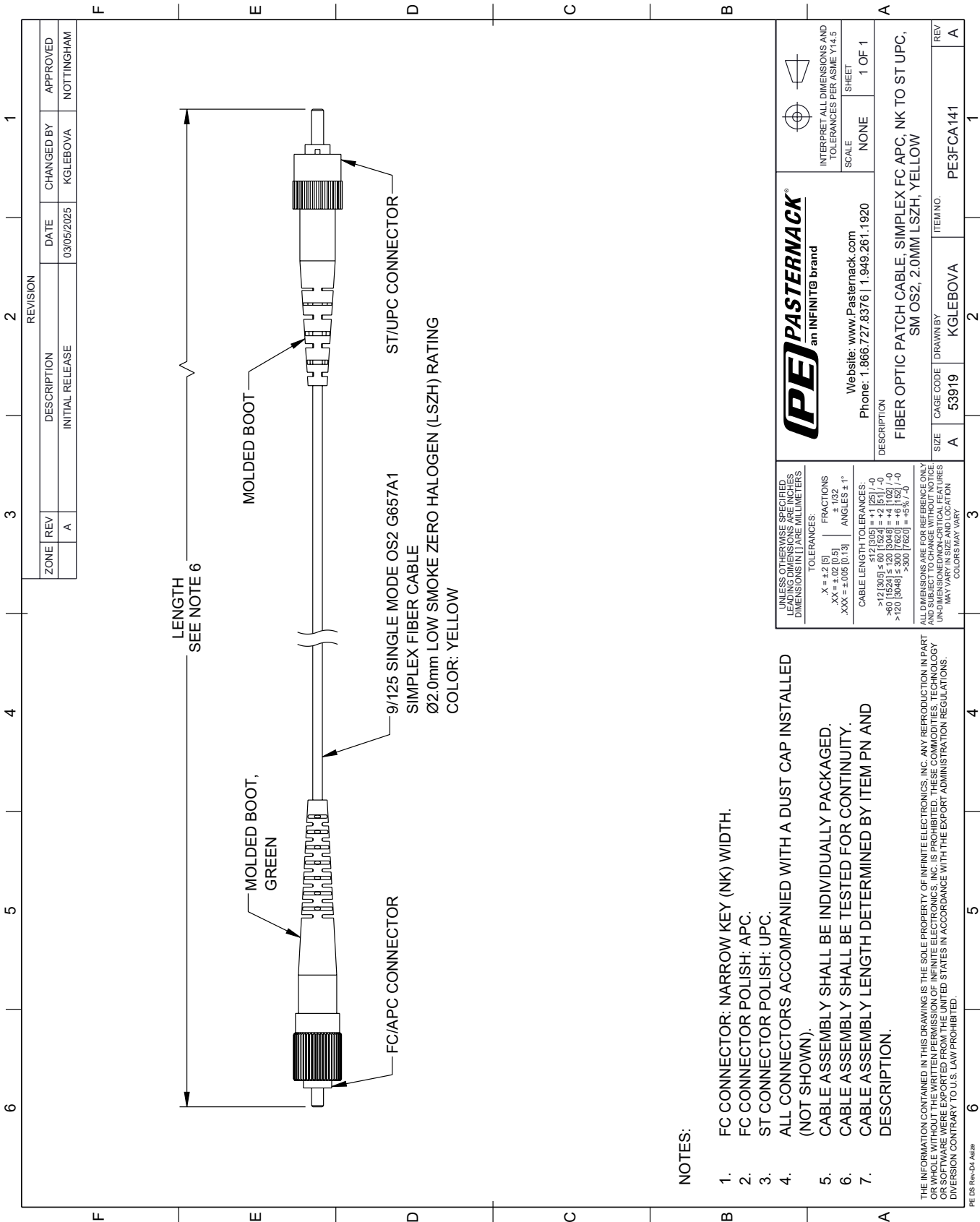
Fiber Optic Patch Cable, Simplex FC APC, NK to ST UPC, SM OS2, 2.0mm LSZH, Yellow from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 APC, NK to ST UPC, SM OS2, 2.0mm LSZH, Yellow PE3FCA141](#)

URL: <https://www.pasternack.com/fc-st-single-mode-apc-fiber-optic-cable-assembly-pe3fca141-p.aspx>

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PE3FCA141 CAD Drawing
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- NOTES:
- 1. FC CONNECTOR: NARROW KEY (NK) WIDTH.
 - 2. FC CONNECTOR POLISH: APC.
 - 3. ST CONNECTOR POLISH: 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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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] ≤ 60 [1524] = ±1 [25] / -0					
>60 [1524] ≤ 120 [3048] = ±4 [102] / -0					
>120 [3048] ≤ 300 [7620] = ±5% / -0					
ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS OF INDIVIDUAL COMPONENTS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.					
		DESCRIPTION			
		FIBER OPTIC PATCH CABLE, SIMPLEX FC APC, NK TO ST UPC, SM OS2, 2.0MM LSZH, YELLOW			
		ITEM NO.			
		PE3FCA141			
		DRAWN BY			
		KGLEBOVA			
		CAGE CODE			
		53919			
		SIZE			
		A			
		REV			
		A			