

Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, SM OS2, 2.0mm Riser, Yellow



PE3FCA542

Features

- Single Mode OS2 indoor fiber optic cable assembly\\Dual ST UPC to Dual ST UPC\\Indoor Riser (OFNR) cable\\Suitable

for ceilings and riser areas\\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 PE3FCA542 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 OS2 Single Mode fiber optic patch cable is optimized for indoor use, featuring a Riser (OFNR) that ensures compliance with fire and safety standards. The 2.0mm x 4.1mm 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.

Pasternack's PE3FCA542 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, the Pasternack PE3FCA542 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 PE3FCA542 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 Singlemode
Mode	Single Mode
Mode Class	OS2
Fiber Diameter	9/125 um
Connection 1 Type	ST
Connection 1 Polish	UPC
Connection 2 Type	ST
Connection 2 Polish	UPC
Cable Color	Yellow

Optical Specifications

Description	Minimum	Typical	Maximum	Units
Return Loss	30			dB

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Optical Specifications

Description	Minimum	Typical	Maximum	Units
Insertion Loss			0.3	dB

Mechanical Specifications

Cable Assembly

Length	0 mm [0.00 in]
Width/Diameter	2 mm
Weight	16.78 g [0.037 lbs]

Cable

Cable Type	Patch
Static Bend Radius	15 mm
Dynamic Bend Radius	30 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:

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PE3FCA542

Typical Performance Data

How to Order

Part Number Configuration:

PE3FCA542

- xx

uu

Unit of Measure:

M = Meters

<blank> = Inches

Length

Base Number

Example: PE3FCA542-12 = 12 inches long cable
PE3FCA542-100cm = 100 cm long cable

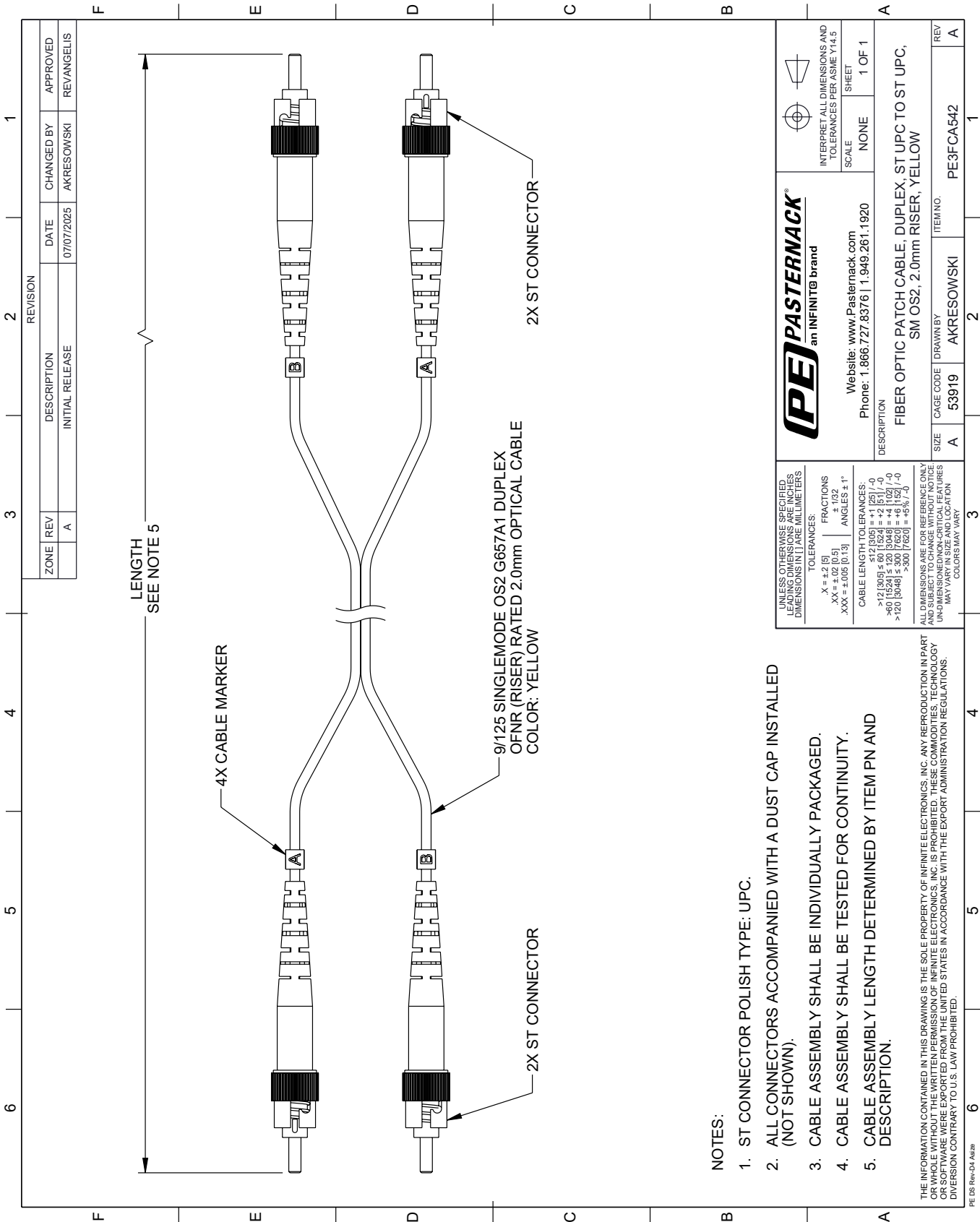
Fiber Optic Patch Cable, Duplex ST UPC to ST UPC, SM OS2, 2.0mm Riser, Yellow from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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, Duplex ST UPC to ST UPC, SM OS2, 2.0mm Riser, Yellow PE3FCA542](#)

URL: <https://www.pasternack.com/st-st-single-mode-9-125-sm-duplex-riser-fiber-patch-cable-fiber-optic-cable-assembly-pe3fca542-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 implement 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.

PE3FCA542 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.

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, DIMENSIONS IN [] ARE MILLIMETERS		PE PASTERNAK an INFINITI® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: www.Pasternack.com		SCALE	
X = ±.2 [5]		Phone: 1.866.727.8376 1.949.261.1920		NONE	
.XX = ±.02 [0.5]		DESCRIPTION		SHEET	
.XXX = ±.005 [0.13]		FIBER OPTIC PATCH CABLE; DUPLEX, ST UPC TO ST UPC, SM OS2, 2.0mm RISER, YELLOW		1 OF 1	
CABLE LENGTH TOLERANCES:		SIZE		DRAWN BY	
>12 [305] ≤ 60 [1524] = ±.1 [25] / -0		A		AKRESOWSKI	
>60 [1524] ≤ 120 [3048] = ±.1 [25] / -0		CAGE CODE		ITEM NO.	
>120 [3048] ≤ 300 [7620] = ±.1 [25] / -0		53919		PE3FCA542	
>300 [7620] = ±.1 [25] / -0		REV		A	
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS. COLORS MAY VARY.		FIBER OPTIC PATCH CABLE; DUPLEX, ST UPC TO ST UPC, SM OS2, 2.0mm RISER, YELLOW			