



Push-On SMP Female to Push-On SMP Female  
Cable 48 Inch Length Using PE-SR405FL Coax

RF Cable Assemblies Technical Data Sheet

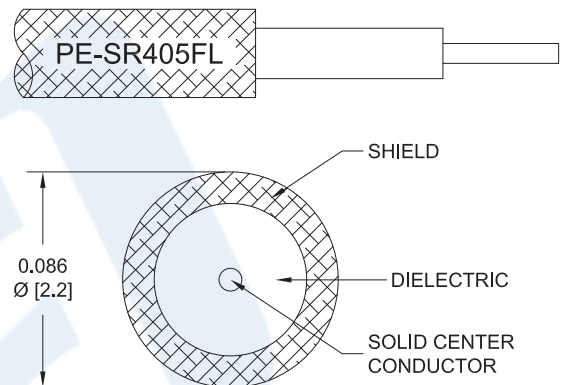
PE3C4341-48

**Configuration**

- Connector 1: Push-OnSMP Female
- Connector 2: Push-OnSMP Female
- Cable Type: PE-SR405FL

**Features**

- Max Frequency 8 GHz
- 69.5% Phase Velocity



**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3C4341-48 SMP female push-on to SMP female push-on 48 inch cable using PE-SR405FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack SMP to SMP cable assembly has a female to female gender configuration with 50 ohm formable PE-SR405FL coax. The PE3C4341-48 SMP female to SMP female cable assembly operates to 8 GHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor Km]		65.7 [215.55]		Ohms/1000ft [Ohms/ Km]
DC Resistance Outer Conductor Km]		10.2 [33.46]		Ohms/1000ft [Ohms/ Km]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Push-On SMP Female to Push-On SMP Female Cable 48 Inch Length Using PE-SR405FL Coax PE3C4341-48](#)



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**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	8	GHz
Insertion Loss (Max.)	0.8	1.1	1.43	2.08	3.03	dB

**Electrical Specification Notes:**

The Insertion Loss data above is based on the performance specifications of the coax use in the assembly. The Insertion Loss includes an estimated insertion loss of 0.2ddB of connector loss.

**Mechanical Specifications**

**Cable Assembly**

Length\* 48 in [121.92 cm]  
Diameter 0.157 in [3.99 mm]

**Cable**

Cable Type PE-SR405FL  
Impedance 50 Ohms  
Inner Conductor Type Solid  
Inner Conductor Material and Plating Copper Clad Steel, Silver  
Dielectric Type PTFE  
Number of Shields 1  
Outer Conductor Material and Plating Copper, Tin  
  
Repeated Minimum Bend Radius 0.78 in [19.81 mm]

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#### Connectors

Description	Connector 1	Connector 2
Type	SMP Female	SMP Female
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method	Push-On	Push-On
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-DTL-45204	MIL-DTL-45204
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Outer Conductor Plating Specification	MIL-DTL-45204	MIL-DTL-45204
Body Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Plating Specification	MIL-DTL-45204	MIL-DTL-45204

#### Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8$ ", whichever is greater.

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

#### Plotted and Other Data

Notes:

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## Push-On SMP Female to Push-On SMP Female Cable 48 Inch Length Using PE-SR405FL Coax

### RF Cable Assemblies Technical Data Sheet

PE3C4341-48

#### How to Order

Part Number Configuration:

**PE3C4341**

- **xx**

**uu**

Unit of Measure:  
cm = Centimeters  
<blank> = Inches  
Length  
Base Number

Example: PE3C4341-12 = 12 inches long cable  
PE3C4341-100cm = 100 cm long cable

Push-On SMP Female to Push-On SMP Female Cable 48 Inch Length Using PE-SR405FL Coax 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: [Push-On SMP Female to Push-On SMP Female Cable 48 Inch Length Using PE-SR405FL Coax PE3C4341-48](https://www.pasternack.com/smp-female-smp-female-pe-sr405fl-cable-assembly-pe3c4341-48-p.aspx)

URL: <https://www.pasternack.com/smp-female-smp-female-pe-sr405fl-cable-assembly-pe3c4341-48-p.aspx>

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE3C4341-48 CAD Drawing

## Push-On SMP Female to Push-On SMP Female Cable

### 48 Inch Length Using PE-SR405FL Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/30/19	S. ELLIS



SMP FEMALE

SMP FEMALE

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2	[5/16]
.XX±.01	[.25]
.XXX±.005	[.13]
	±.132
	ANGLES ± 1°
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

**PE PASTERNAK**  
an INFINITO brand

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SHEET 1 OF 1  
SCALE N/A

SIZE	CAGE	DRAWN BY	PART NUMBER	REV
A	53919	K.DANG	PE3C4341	A

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