



## Push-On SMP Female to Smooth Bore SMP Male Bulkhead Cable Using PE-SR405AL Coax

### RF Cable Assemblies Technical Data Sheet

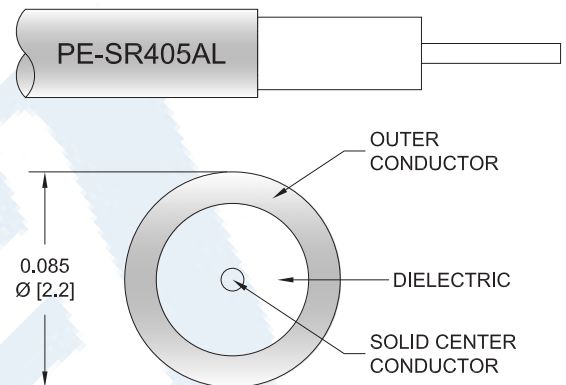
PE3W13672

#### Configuration

- Connector 1: Push-OnSMP Female
- Connector 2: Smooth BoreSMP Male Bulkhead
- Cable Type: PE-SR405AL

#### Features

- Max Frequency 8 GHz



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W13672 SMP female push-on to SMP male smooth bore bulkhead 12 inch cable using PE-SR405AL coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack SMP to SMP cable assembly has a female to male gender configuration with 50 ohm semi-rigid PE-SR405AL coax. The PE3W13672 SMP female to SMP male cable assembly operates to 8 GHz. Our RF cable assembly with SMP bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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.

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 Smooth Bore SMP Male Bulkhead Cable Using PE-SR405AL Coax PE3W13672](#)



Push-On SMP Female to Smooth Bore SMP Male  
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**PE3W13672**

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		8	GHz
VSWR			1.5:1	

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2	4	8	GHz
Insertion Loss (Typ.)	0.115	0.23	0.29	0.42	0.68	dB

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

**Mechanical Specifications**

**Cable Assembly**

Weight 0.046 lbs [20.87 g]

**Cable**

Cable Type PE-SR405AL  
 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 Tinned Aluminum  
 One Time Minimum Bend Radius 0.05 in [1.27 mm]

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**Connectors**

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

**Environmental Specifications**

**Temperature**

Operating Range -55 to +125 deg C

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

**Plotted and Other Data**

Notes:

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**PE3W13672**

**How to Order**

Part Number Configuration:

**PE3W13672**

- **xx**

**uu**

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

Example: PE3W13672-12 = 12 inches long cable  
 PE3W13672-100cm = 100 cm long cable

Push-On SMP Female to Smooth Bore SMP Male Bulkhead Cable Using PE-SR405AL 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 Smooth Bore SMP Male Bulkhead Cable Using PE-SR405AL Coax PE3W13672](https://www.pasternack.com/push-on-smp-female-to-smooth-bore-smp-male-bulkhead-cable-12-inch-length-using-pe-sr405al-pe3w13672)

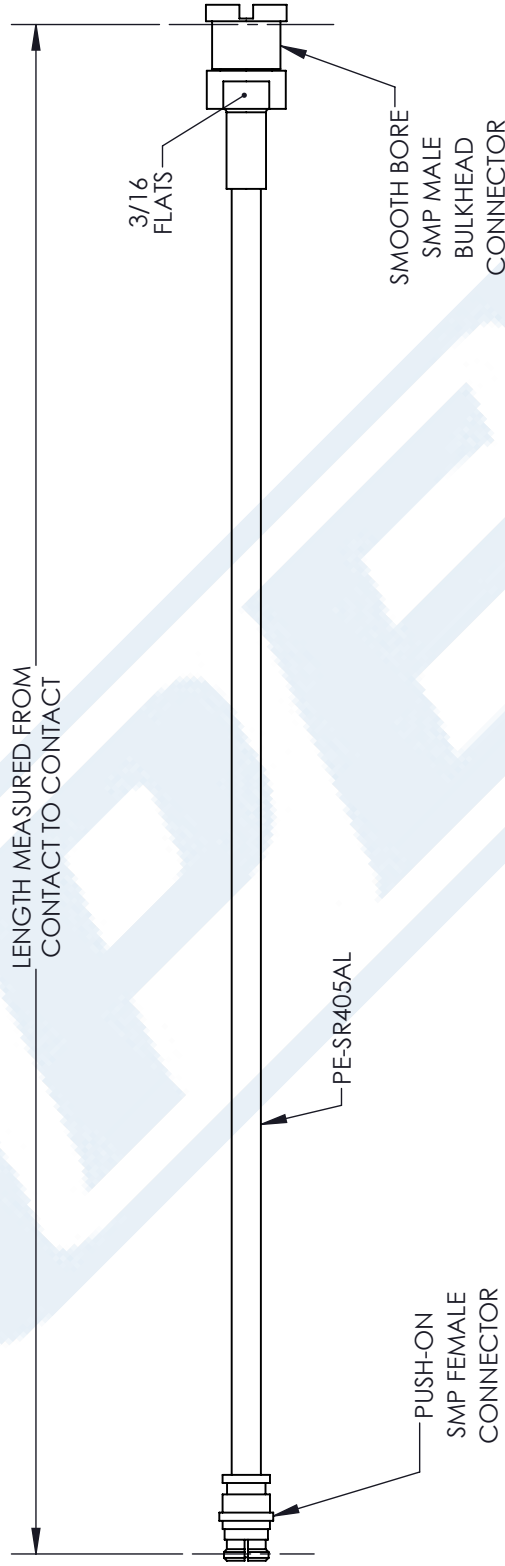
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

# PE3W13672 CAD Drawing

## Push-On SMP Female to Smooth Bore SMP Male Bulkhead Cable Using PE-SR405AL Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/10/2022	AGANWANI



<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p><b>TOLERANCES:</b></p> <p>.X = ±.2 [ .008]    FRACTIONS ± 1/32          .XX = ±.02 [ .51]    ANGLES ± 1°          .XXX = ±.005 [ .13]</p> <p><b>CABLE LENGTH (L), TOLERANCES:</b></p> <p>L ≤ 12 [305] = +1 [25] / -0          12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0          60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0          120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0          300 [7620] &lt; L = +5% / -0</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	<p><b>PE PASTERNAK</b>          an INFINITI® brand</p> <p>Pasternack Enterprises, Inc.          P. O. Box 16759, Irvine, CA 92623.          Phone: 1.949.261.1920   1.866.727.8376          Fax: 1.949.261.7451          Website: www.pasternack.com          E-mail: sales@pasternack.com</p>	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>	<p>REV A</p> <p>ITEM NO. PE3W13672</p>
<p>SIZE A</p> <p>CAGE CODE 53919</p> <p>DRAWN BY BPUCHASKI</p>			

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