



## SMA Female 2 Hole Flange to SMP Female Right Angle Cable 48 Inch Length Using PE-SR405FLJ Coax

### RF Cable Assemblies Technical Data Sheet

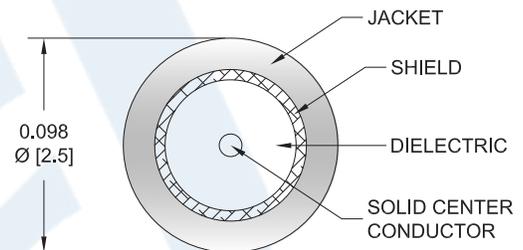
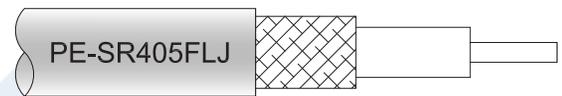
PE3W05557-48

#### Configuration

- Connector 1: SMA Female 2 Hole Flange
- Connector 2: SMP Female Right Angle
- Cable Type: PE-SR405FLJ

#### Features

- Max Frequency 10 GHz
- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W05557-48 SMA female 2 hole flange to SMP female right angle 48 inch cable using PE-SR405FLJ 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 SMA to SMP cable assembly has a female to female gender configuration with 50 ohm formable PE-SR405FLJ coax. The PE3W05557-48 SMA female to SMP female cable assembly operates to 10 GHz. The right angle SMP interface on the PE-SR405FLJ cable allows for easier connections in tight spaces. Our RF cable assembly with SMA 2 hole flange 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: [SMA Female 2 Hole Flange to SMP Female Right Angle Cable 48 Inch Length Using PE-SR405FLJ Coax PE3W05557-48](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor Km]		65.7 [215.55]		Ohms/1000ft [Ohms/
DC Resistance Outer Conductor Km]		10.2 [33.46]		Ohms/1000ft [Ohms/

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	10	GHz
Insertion Loss (Max.)	0.9	1.2	1.69	2.5	3.55	dB

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax use in this assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector Loss

#### Mechanical Specifications

##### Cable Assembly

Length*	48 in [121.92 cm]
Diameter	0.25 in [6.35 mm]

##### Cable

Cable Type	PE-SR405FLJ
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 Copper Composite Braid
Jacket Material	FEP, Black
Jacket Diameter	0.105 in [2.67 mm]

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One Time Minimum Bend Radius 0.5 in [12.7 mm]  
Repeated Minimum Bend Radius 0.787 in [19.99 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Female 2 Hole Flange	SMP Female Right Angle
Specification	MIL-STD-348	DESC 94008
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-G-45204	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Beryllium Copper, Gold
Body Plating Specification	MIL-G-45204	MIL-G-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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PE3W05557-48

**How to Order**

Part Number Configuration:

**PE3W05557**

- **xx**

**uu**

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

Example: PE3W05557-12 = 12 inches long cable  
PE3W05557-100cm = 100 cm long cable

SMA Female 2 Hole Flange to SMP Female Right Angle Cable 48 Inch Length Using PE-SR405FLJ 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: [SMA Female 2 Hole Flange to SMP Female Right Angle Cable 48 Inch Length Using PE-SR405FLJ Coax PE3W05557-48](https://www.pasternack.com/sma-female-smp-female-pe-sr405flj-cable-assembly-pe3w05557-48-p.aspx)

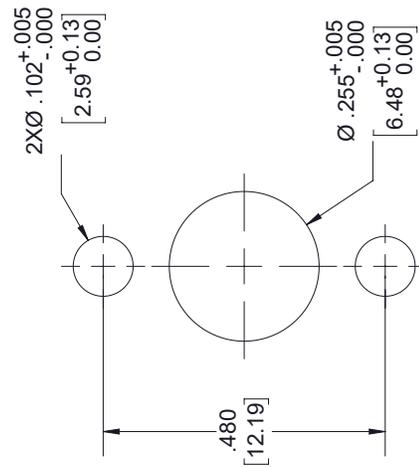
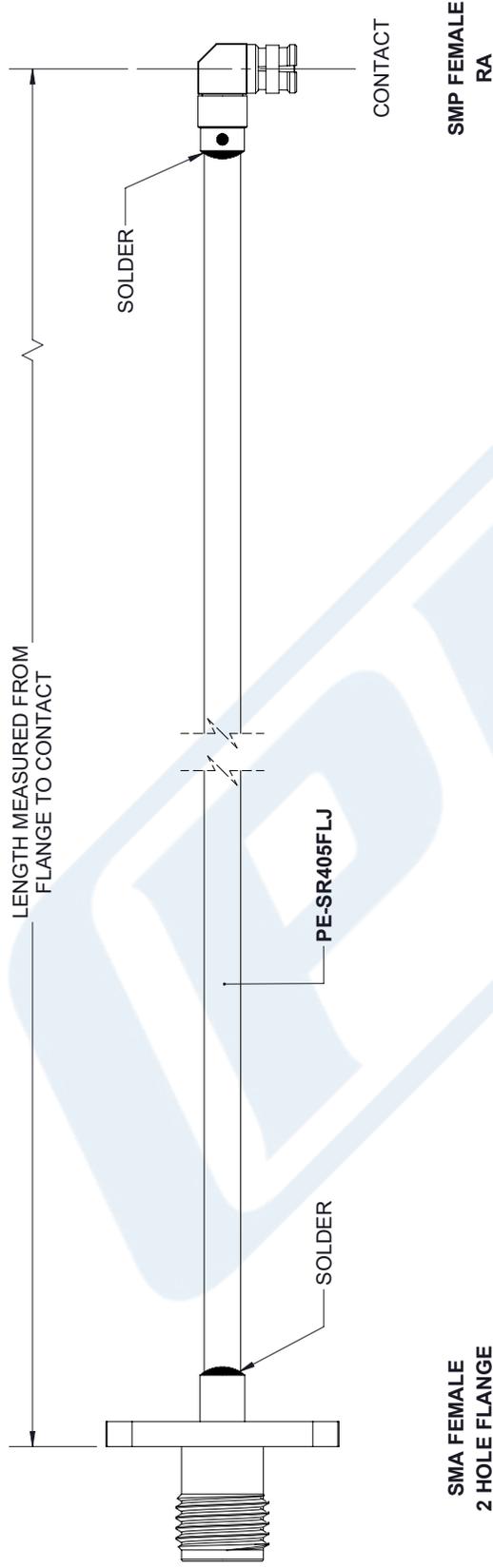
URL: <https://www.pasternack.com/sma-female-smp-female-pe-sr405flj-cable-assembly-pe3w05557-48-p.aspx>

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# PE3W05557-48 CAD Drawing

## SMA Female 2 Hole Flange to SMP Female Right Angle Cable 48 Inch Length Using PE-SR405FLJ Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	S. ELLIS



UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
 X±.2 [5.08] FRACTIONS  
 .XX±.01 [ .25] ±.132  
 .XXX±.005 [ .13] 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 A CAGE 53919 DRAWN BY K.DANG PART NUMBER PE3W05557 REV A

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