



## SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable Using PE-SR405FL Coax, RoHS

### TECHNICAL DATA SHEET

PE39448

Pasternack's formable cable assemblies are hand formable semi-rigid replacements that are an alternative to costly preformed assemblies. The formable semi-rigid cable alternatives are dimensionally and electrically similar to their semi-rigid counterpart and have a tinned-copper-braid outer shield that provides excellent RF shielding. The hand formable cable assemblies from Pasternack do not require special tooling to shape or reshape the assemblies and can replace standard semi-rigid versions. The assemblies are available with or without a FEP jacket and are RoHS compliant,

#### Features

- Dimensionally and electrically the same as standard, solid outer conductor semi-rigid coax
- Cable may be formed by hand and does not require special tools to bend
- May be formed more than once without damaging the outer conductor
- High RF Shielding >100 dB
- 100% Hi-pot and continuity tested
- 100% VSWR tested to max frequency of assembly
- Standard and custom lengths ship the same day

#### Configuration

Connector 1  
Connector 2  
Cable Type

SMA Male Right Angle  
N Female Bulkhead  
PE-SR405FL

#### Electrical Specifications

Frequency Range  
Impedance  
Max VSWR  
Velocity of Propagation

DC to 10 GHz  
50 Ohms  
1.5:1  
69.5 %

#### Performance by Frequency

##### Frequency 1

Frequency  
Insertion Loss

500 MHz  
0.313 dB/ft [1.03 dB/m]

##### Frequency 2

Frequency  
Insertion Loss

1000 MHz  
0.425 dB/ft [1.39 dB/m]

##### Frequency 3

Frequency  
Insertion Loss

2.5 GHz  
0.547 dB/ft [1.79 dB/m]

##### Frequency 4

Frequency  
Insertion Loss

5 GHz  
0.749 dB/ft [2.46 dB/m]

##### Frequency 5

Frequency  
Insertion Loss

10 GHz  
1.012 dB/ft [3.32 dB/m]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable Using PE-SR-405FL Coax, RoHS PE39448](#)



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**Mechanical Specifications**

**Size**

Diameter 0.866 in [22 mm]

**Cable**

Cable Type PE-SR405FL  
Inner Conductor Type Solid  
Cable Inner Conductor Copper Clad Steel, Silver  
No of Shields 1  
Dielectric Type PTFE

**Connector 1**

Type SMA Male Right Angle  
Configuration Right Angle  
Inner Conductor Material and Plating Brass, Gold  
Coupling Nut Material and Plating Passivated Stainless Steel  
Hex Size 5/16 in.  
Torque 8 in-lbs [0.9 Nm]  
Body Material and Plating Brass, Gold  
Dielectric Type PTFE

**Connector 2**

Type N Female Bulkhead  
Configuration Straight  
Mount Method Bulkhead  
Inner Conductor Material and Plating Phosphor Bronze, Gold  
Body Material and Plating Brass, Nickel  
Dielectric Type PTFE

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant Yes  
REACH Compliant 12/15/2010

**Plotted and Other Data**

Notes:

- Values at +25 °C, sea level

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**How to Order**

Part Number Configuration:

**PE39448**

- **xx**

**uu**

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

Example: PE39448-12 = 12 inches long cable  
PE39448-100cm = 100 cm long cable

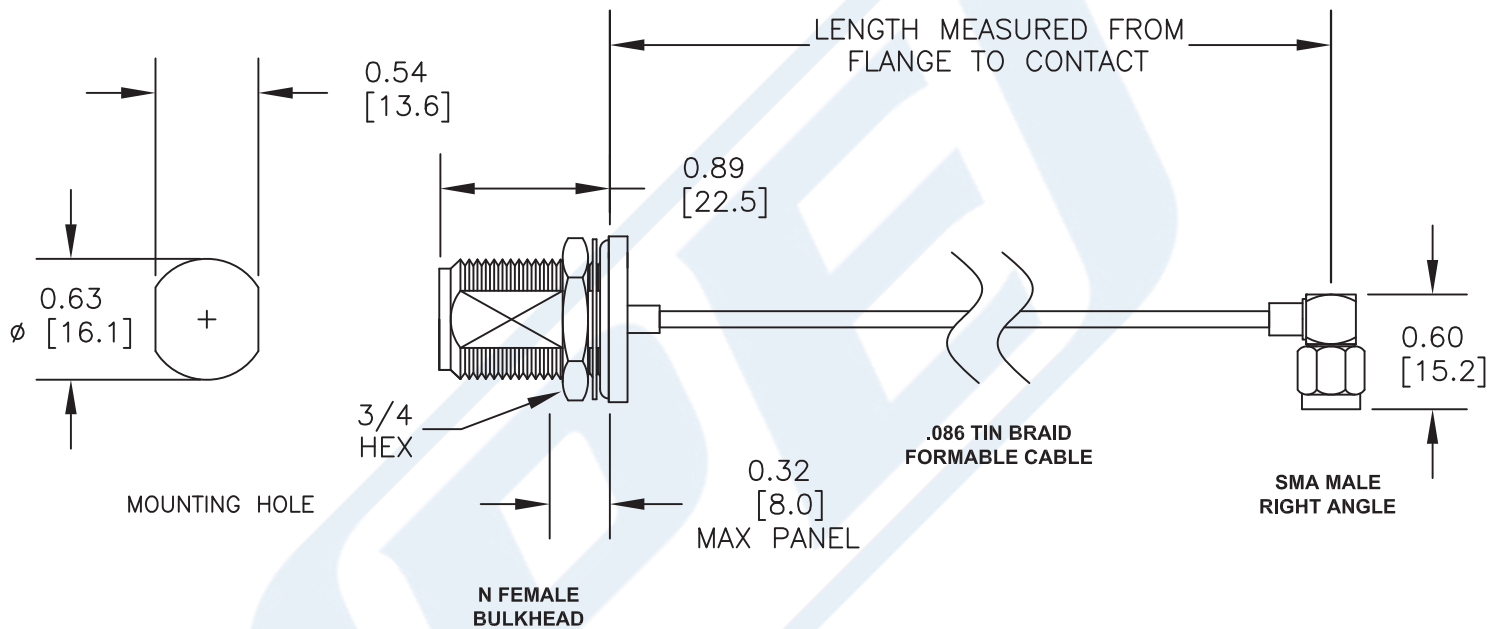
SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable Using PE-SR405FL Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection 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 Male Right Angle to N Female Bulkhead Semi-Flexible Precision Cable Using PE-SR405FL Coax, RoHS PE39448](http://www.pasternack.com/sma-male-n-female-pe-sr405fl-cable-assembly-pe39448-p.aspx)

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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.

**PE39448 CAD Drawing**  
SMA Male Right Angle to N Female Bulkhead Semi-Flexible  
Precision Cable Using PE-SR405FL Coax, RoHS



**Note: This part is lead free.**



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**NOTES:**

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].
4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE

**PE39448**

**FSCM NO. 53919**

CAD FILE

012115

SCALE N/A

SIZE A

2233