



SMA Male Right Angle to N Female Bulkhead Semi-Flexible  
Precision Cable 12 Inch Length Using PE-SR405FL Coax, RoHS

TECHNICAL DATA SHEET

PE39448-12

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         | DC to 10 GHz |
| Impedance               | 50 Ohms      |
| Max VSWR                | 1.5:1        |
| Velocity of Propagation | 69.5 %       |

**Performance by Frequency**

**Frequency 1**

|                |          |
|----------------|----------|
| Frequency      | 500 MHz  |
| Insertion Loss | 0.313 dB |

**Frequency 2**

|                |          |
|----------------|----------|
| Frequency      | 1000 MHz |
| Insertion Loss | 0.425 dB |

**Frequency 3**

|                |          |
|----------------|----------|
| Frequency      | 2.5 GHz  |
| Insertion Loss | 0.547 dB |

**Frequency 4**

|                |          |
|----------------|----------|
| Frequency      | 5 GHz    |
| Insertion Loss | 0.749 dB |

**Frequency 5**

|                |          |
|----------------|----------|
| Frequency      | 10 GHz   |
| Insertion Loss | 1.012 dB |

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 12 Inch Length Using PE-SR405FL Coax, RoHS PE39448-12](#)



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**Mechanical Specifications**

**Size**

|          |                  |
|----------|------------------|
| Length   | 12 in [304.8 mm] |
| 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 | 06/18/2012 |

**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 12 Inch Length 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.

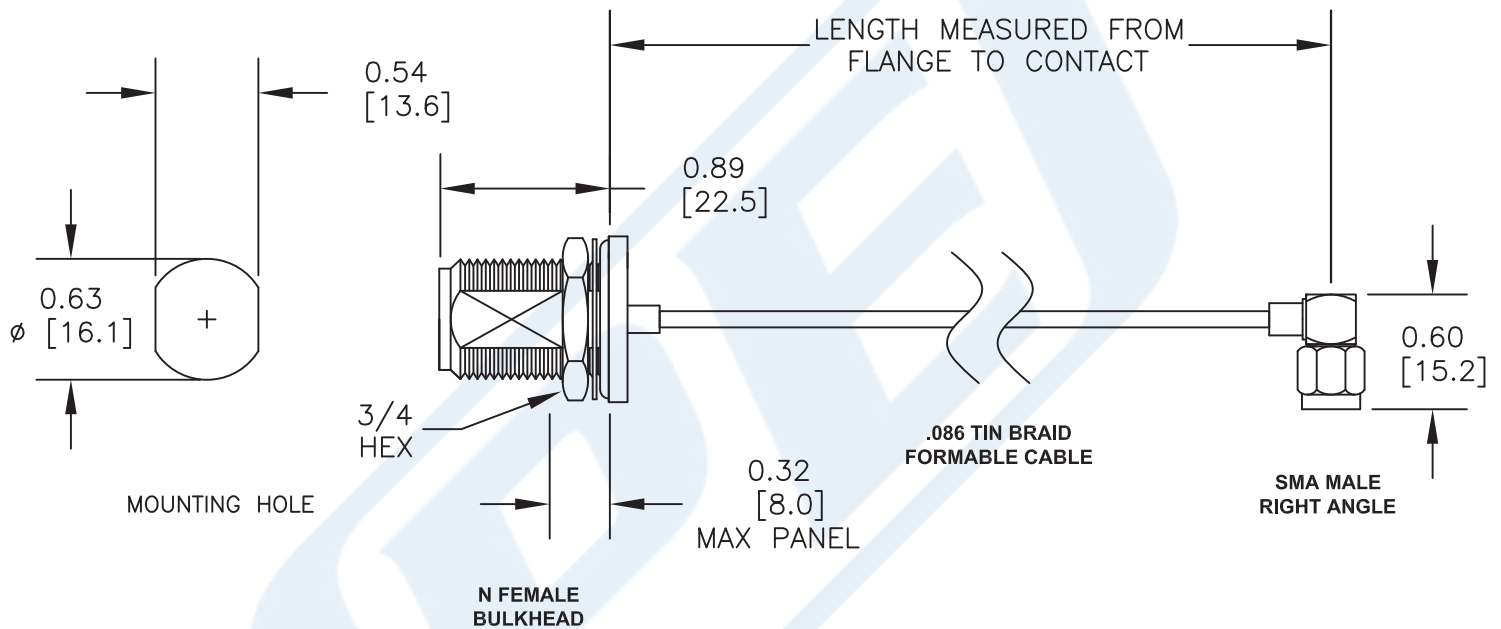
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements.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

# PE39448-12 CAD Drawing

SMA Male Right Angle to N Female Bulkhead Semi-Flexible Precision  
Cable 12 Inch Length 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