



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

### TECHNICAL DATA SHEET

PE39419

#### Hand Formable SMA Male to SMA Female Bulkhead Semi-Flexible Precision Cable Using PE-SR405FL Coax, RoHS

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 PVC jacket and are RoHS compliant,

- 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	SMA Male
Connector 2	SMA Female Bulkhead
Cable Type	PE-SR405FL

#### Electrical Specifications

Frequency Range, GHz	DC to 18
Impedance, Ohms	50
Maximum VSWR	1.5:1
Velocity of Propagation, %	69
RF Shielding, dB	100
Maximum Operating Voltage, Vrms	335

#### Typical Performance by Frequency

##### Frequency 1

Frequency, MHz	1000
Insertion Loss	0.225 dB/ft [ 0.74 dB/m ]

##### Frequency 2

Frequency, GHz	5
Insertion Loss	0.549 dB/ft [ 1.8 dB/m ]

##### Frequency 3

Frequency, GHz	10
Insertion Loss	0.812 dB/ft [ 2.66 dB/m ]

##### Frequency 4

Frequency, GHz	18
Insertion Loss	1.18 dB/ft [ 3.87 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 to SMA Female Bulkhead Semi-Flexible Precision Cable Using PE-SR405FL Coax, RoHS PE39419](#)

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.



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**Mechanical Specifications**

**Cable Assembly**

Cable Type	PE-SR405FL
Diameter, in [mm]	0.086 [2.18]
Weight, lbs [g]	0.013 [5.9]
One Time Minimum Bend Radius, in [mm]	0.37 [9.4]

**Cable**

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

**Connector 1**

Type	SMA Male
Configuration	Straight

**Connector 2**

Type	SMA Female Bulkhead
Configuration	Straight
Mount Method	Bulkhead

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

RoHS Compliant	Yes
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**Plotted and Other Data**

Notes:	Values at 25 °C, sea level
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SMA Male to SMA 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 fiber optic 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 to SMA Female Bulkhead Semi-Flexible Precision Cable Using PE-SR405FL Coax, RoHS PE39419](http://www.pasternack.com/sma-male-sma-female-pe-sr405fl-cable-assembly-pe39419-p.aspx)

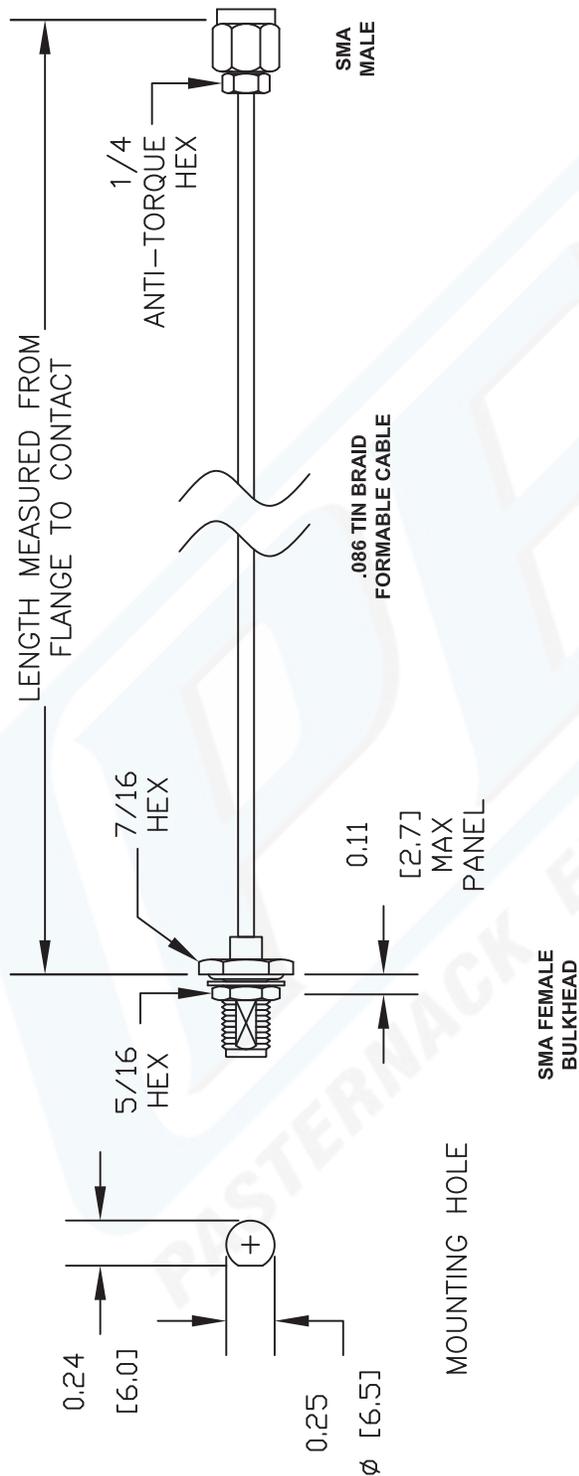
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# PE39419 CAD Drawing

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

How To Order		Part # Ext.	Length In Inches	Part # Ext.	Length In Centimeters
Part Number Configuration		-12	12"	-25CM	25Cm
PE3 [zzz] [yy] - [xx] [uu]	Examples	-24	24"	-50CM	50Cm
00 - 99999	PE3000LF-100	-36	36"	-75CM	75Cm
LF = Lead Free	PE3000-100	-48	48"	-100CM	100Cm
< Blank > = Standard	PE3000LF-100CM	-60	60"	-125CM	125Cm
Note: LF applies only to RF cables	PE3000-100CM	-xx	Custom Length	-xxCM	Custom Length



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**COAXIAL & FIBER OPTICS**

DWG TITLE  
**PE39419**

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 ± 1.5% OR 3/8", WHICHEVER IS GREATER.

REV. -	FSCM NO. 53919	CAD FILE 041912	SCALE N/A	SIZE A	2231
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