



## SMA Male to SMA Female Semi-Flexible Precision Cable 12 Inch Length Using PE-SR405FL Coax, RoHS

### TECHNICAL DATA SHEET

PE39418-12

#### Hand Formable SMA Male to SMA Female Semi-Flexible Precision Cable 12 Inch Length 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
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 Semi-Flexible Precision Cable 12 Inch Length Using PE-SR405FL Coax, RoHS PE39418-12](#)

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

##### Size

Length, in [mm] 12 [304.8]  
 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  
 Configuration Straight

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

RoHS Compliant Yes

#### Plotted and Other Data

Notes: Values at 25 °C, sea level

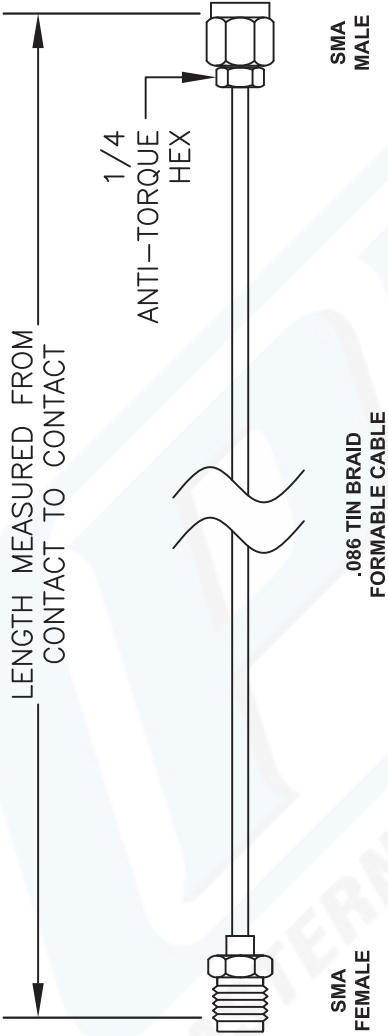
SMA Male to SMA Female Semi-Flexible Precision Cable 12 Inch Length Using PE-SR405FL Coax, RoHS from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the 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 Semi-Flexible Precision Cable 12 Inch Length Using PE-SR405FL Coax, RoHS PE39418-12](http://www.pasternack.com/sma-male-sma-female-pe-sr405fl-cable-assembly-pe39418-12-p.aspx)

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PE39418-12 CAD Drawing  
SMA Male to SMA Female Semi-Flexible Precision Cable  
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Note: This part is lead free.

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

- 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  
**PE39418**

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COAXIAL & FIBER OPTICS



2231

SIZE A

SCALE N/A

CAD FILE 041912

FSCM NO. 53919

REV. -