



## SMA Male to SMA Male Semi-Flexible Precision Cable 9 Inch Length Using PE-SR402FLJ Coax, RoHS

### RF Cable Assemblies Technical Data Sheet

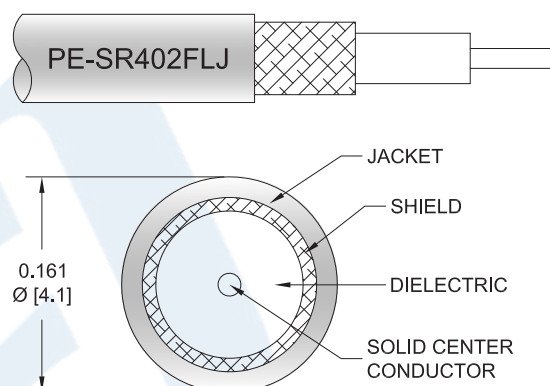
PE39437-9

#### Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: PE-SR402FLJ

#### 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



#### Description

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,

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Velocity of Propagation		70		%
RF Shielding	100			dB
Group Delay		1.43 [4.69]		ns/ft [ns/m]
Capacitance		29 [95.14]		pF/ft [pF/m]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	4.5	9	18	GHz
Insertion Loss (Max.)	0.29	0.32	0.4	0.5	0.65	dB

Electrical Specification Notes:

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 Male Semi-Flexible Precision Cable 9 Inch Length Using PE-SR402FLJ Coax, RoHS PE39437-9](#)



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VRMS Specifications are typical at sea level and at 25° C

**Mechanical Specifications**

**Cable Assembly**

Length	9 in [228.6 mm]
Diameter	0.315 in [8 mm]
One Time Minimum Bend Radius	0.315 in [8 mm]
Repeated Minimum Bend Radius	1.575 in [40.01 mm]

**Cable**

Cable Type	PE-SR402FLJ
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper Clad Steel, Silver
Dielectric Type	PTFE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	FEP, Black
Jacket Diameter	0.161 in [4.09 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male
Impedance	50 Ohms	50 Ohms
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 in.	5/16 in.
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]
Body Material and Plating	Brass, Gold	Brass, Gold

**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.

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 Male Semi-Flexible Precision Cable 9 Inch Length Using PE-SR402FLJ Coax, RoHS PE39437-9](#)



## SMA Male to SMA Male Semi-Flexible Precision Cable 9 Inch Length Using PE-SR402FLJ Coax, RoHS

### RF Cable Assemblies Technical Data Sheet

PE39437-9

#### How to Order

Part Number Configuration:

PE39437

- xx

uu

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

Example: PE39437-12 = 12 inches long cable  
PE39437-100cm = 100 cm long cable

SMA Male to SMA Male Semi-Flexible Precision Cable 9 Inch Length Using PE-SR402FLJ 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.

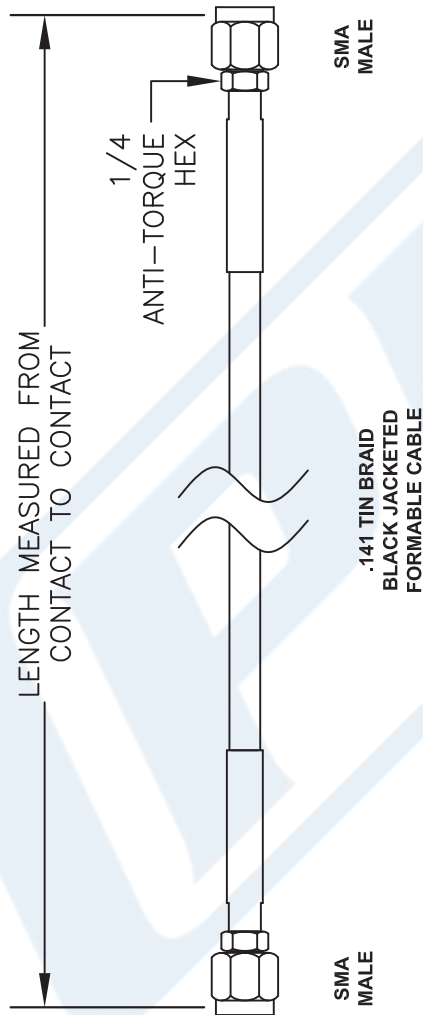
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to SMA Male Semi-Flexible Precision Cable 9 Inch Length Using PE-SR402FLJ Coax, RoHS PE39437-9](http://www.pasternack.com/sma-male-sma-male-pe-sr402flj-cable-assembly-pe39437-9-p.aspx)

URL: <http://www.pasternack.com/sma-male-sma-male-pe-sr402flj-cable-assembly-pe39437-9-p.aspx>

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.

# PE39437-9 CAD Drawing

SMA Male to SMA Male Semi-Flexible Precision Cable  
9 Inch Length Using PE-SR402FLJ Coax, RoHS



Note: This part is lead free.

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

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

DWG TITLE  
**PE39437**

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