



SMA Male to SMA Male Right Angle Semi-Flexible Precision Cable 6 Inch Length Using PE-SR405FLJ Coax, RoHS

TECHNICAL DATA SHEET

PE39431-6

Hand Formable SMA Male to SMA Male Right Angle Semi-Flexible Precision Cable 6 Inch Length Using PE-SR405FLJ 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
Connector 2
Cable Type

SMA Male
SMA Male Right Angle
PE-SR405FLJ

Electrical Specifications

Frequency Range, GHz
Impedance, Ohms
Maximum VSWR
Velocity of Propagation, %
RF Shielding, dB
Maximum Operating Voltage, Vrms

DC to 10
50
1.35:1
69
100
335

Typical Performance by Frequency

Frequency 1

Frequency, MHz
Insertion Loss

1000
0.225 dB/ft [0.74 dB/m]

Frequency 2

Frequency, GHz
Insertion Loss

5
0.549 dB/ft [1.8 dB/m]

Frequency 3

Frequency, GHz
Insertion Loss

10
0.812 dB/ft [2.66 dB/m]

Mechanical Specifications

Cable Assembly

Cable Type

PE-SR405FLJ

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 Right Angle Semi-Flexible Precision Cable 6 Inch Length Using PE-SR405FLJ Coax, RoHS PE39431-6](#)

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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Temperature

Temperature Operating Range, deg C -55 to +125

Size

Length, in [mm] 6 [152.4]
Diameter, in [mm] 0.098 [2.49]
Cable Color Black
One Time Minimum Bend Radius, in [mm] 0.37 [9.4]
Repeated Minimum Bend Radius, in [mm] 0.787 [19.99]

Cable

Center Conductor Type Solid
Cable Inner Conductor Copper Clad Steel, Silver
No of Shields 1
Dielectric Type PTFE
Jacket Material FEP
Jacket Diameter, in [mm] 0.098 [2.49]

Connector 1

Type SMA Male
Configuration Straight

Connector 2

Type SMA Male Right Angle
Configuration Right Angle

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant Yes

Plotted and Other Data

Notes: Values at 25 °C, sea level

SMA Male to SMA Male Right Angle Semi-Flexible Precision Cable 6 Inch Length Using PE-SR405FLJ 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.

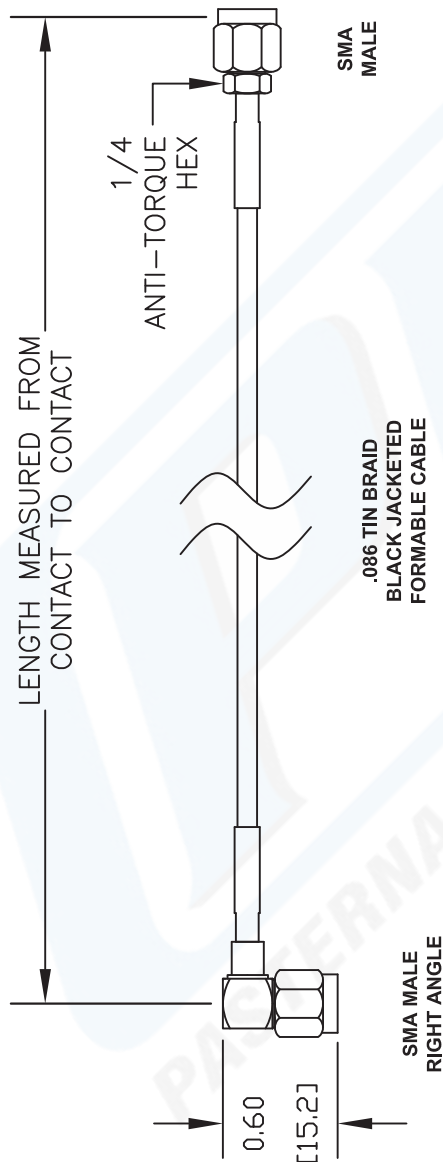
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PE39431-6 CAD Drawing

SMA Male to SMA Male Right Angle Semi-Flexible Precision
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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		Examples		-12		12"	-25CM	25Cm
		PE3 [zzz] [yy] - [xx] [uu]		-24		24"	-50CM	50Cm
00 - 99999		LF = Lead Free		-36		36"	-75CM	75Cm
< Blank > = Standard		CM = Centimeters		-48		48"	-100CM	100Cm
Note: LF applies only to RF cables		< Blank > = Inches		-60		60"	-125CM	125Cm
		Length		-xx		Custom Length	-xxCM	Custom Length



PASTERNAK ENTERPRISES®
ESTABLISHED 1972

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COAXIAL & FIBER OPTICS

DWG TITLE
PE39431

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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