



SMA Male to SMA Male Right Angle Cable Using PE-SR405FL Coax , LF Solder in 150CM

RF Cable Assemblies Technical Data Sheet

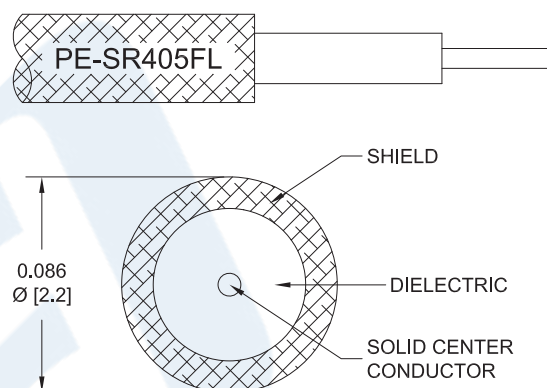
PE39417LF-150CM

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR405FL

Features

- Max Frequency 10 GHz
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE39417LF-150CM SMA male to SMA male right angle 150 cm cable using PE-SR405FL coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack SMA to SMA cable assembly has a male to male gender configuration with 50 ohm formable PE-SR405FL coax. The PE39417LF-150CM SMA male to SMA male cable assembly operates to 10 GHz. The right angle SMA interface on the PE-SR405FL cable allows for easier connections in tight spaces.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

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 Cable Using PE-SR405FL Coax , LF Solder in 150CM PE39417LF-150CM](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
VSWR			1.5:1	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ω/1000ft [Ω/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	10	GHz
Insertion Loss (Typ.)	0.94	1.31	1.91	2.91	4.2	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length* 59.05 in [149.99 cm]

Weight 0.069 lbs [31.3 g]

Cable

Cable Type PE-SR405FL

Impedance 50 Ohms

Inner Conductor Type Solid

Inner Conductor Material and Plating Copper Clad Steel, Silver

Dielectric Type PTFE

Number of Shields 1

Outer Conductor Material and Plating Copper, Tin

Repeated Minimum Bend Radius 0.78 in [19.81 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold over Nickel	Brass, Gold over Nickel
Contact Plating Specification		8 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold over Nickel	Brass, Gold over Nickel
Body Plating Specification		4 µin minimum
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 inch	5/16 inch
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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PE39417LF-150CM

How to Order

Part Number Configuration:

PE39417LF

- xx

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

Example: PE39417LF-12 = 12 inches long cable
PE39417LF-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable Using PE-SR405FL Coax , LF Solder in 150CM from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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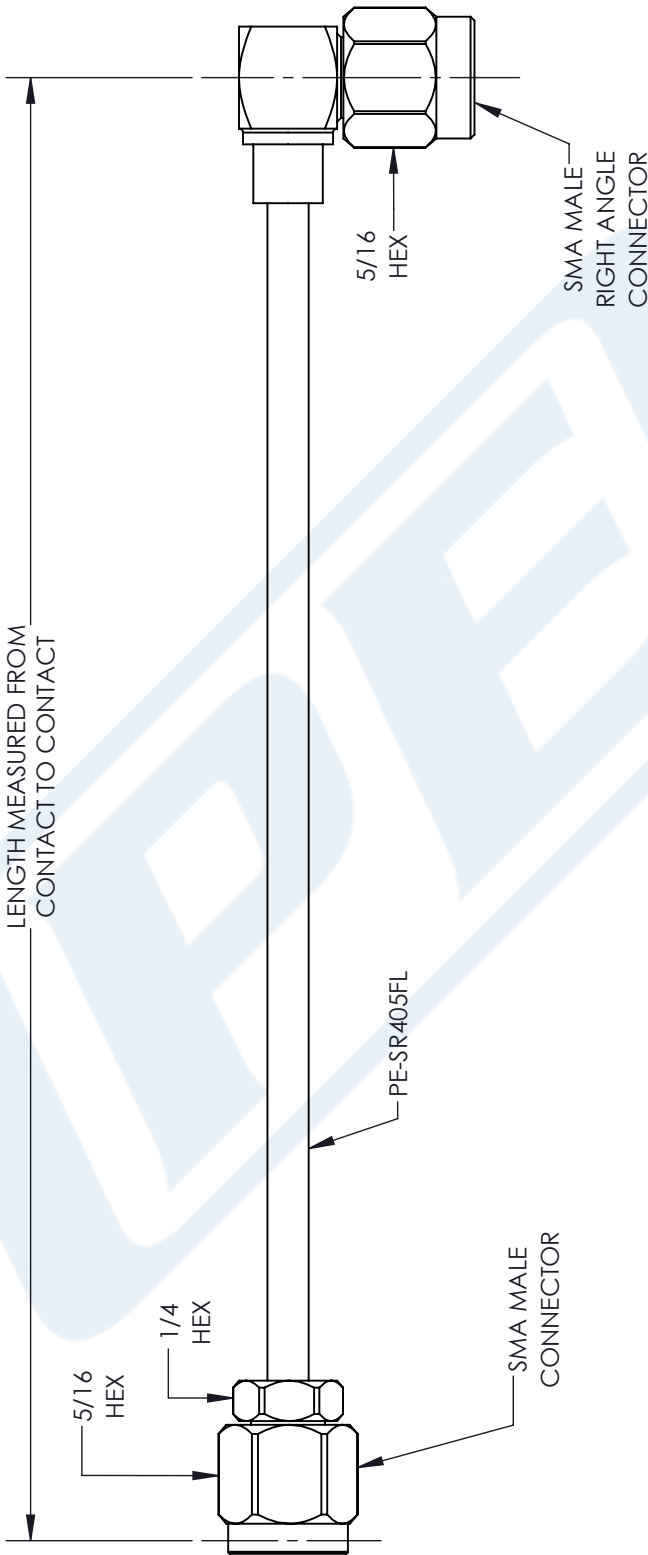
URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-pe-sr405fl-lf-solder-pe39417lf-150cm-p.aspx>

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PE39417LF-150CM CAD Drawing

SMA Male to SMA Male Right Angle Cable Using PE-SR405FL Coax , LF Solder in 150CM

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/10/2022	AGANWANI



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
.X = ± .2	[.508]
.XX = ± .02	[.51]
.XXX = ± .005	[.13]
ANGLES ± 1°	
CABLE LENGTH (L) TOLERANCES:	
L ≤ 12 [305] = +1 [25] / -0	
12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
300 [7620] < L = +5% / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	

PE PASTERNAK an INFINITI brand	
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SIZE	ITEM NO.
A	53919
CAGE CODE	BPUCHASKI
DRAWN BY	PE39417LF
REV	A

THIRD-ANGLE PROJECTION	
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SHEET	1 OF 1
SCALE	N/A

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