



SMA Male to SMA Male Cable 18 Inch  
Length Using PE-SR405FL Coax

**TECHNICAL DATA SHEET**

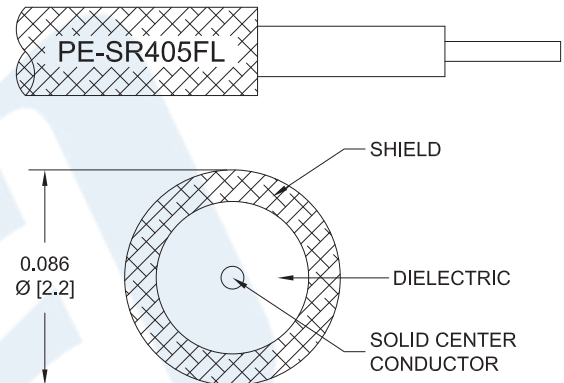
**PE3867-18**

**Configuration**

- Connector 1: SMA Male
- Connector 2: SMA Male
- Cable Type: PE-SR405FL
- Coax Flex Type: Formable

**Features**

- Max Frequency 18 GHz
- 69.5% Phase Velocity
- 500 Mating Cycles



**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3867-18 SMA male to SMA male 18 inch 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 PE3867-18 SMA male to SMA male cable assembly operates to 18 GHz.

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 Cable 18 Inch Length Using PE-SR405FL Coax PE3867-18](#)



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#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Velocity of Propagation		69.5		%
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 (Typ.)	0.538	0.659	0.963	1.339	1.884	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*	18 in [457.2 mm]
Weight	0.034 lbs [15.42 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
Shield Layer 1	Tinned Copper Braid

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**Connectors**

Description	Connector 1	Connector 2
Type	SMA Male Threaded	SMA Male Threaded
Impedance	50 Ohms	50 Ohms
Mating Cycles	500	500
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50µ in. minimum, MIL-G-45204	50µ in. minimum, MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Specification	MIL-G-45204	MIL-G-45204
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	QQ-N-290	QQ-N-290
Hex Size	5/16 in.	5/16 in.
Torque	5 in-lbs [0.57 Nm]	5 in-lbs [0.57 Nm]

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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**TECHNICAL DATA SHEET**

**PE3867-18**

**How to Order**

Part Number Configuration:

**PE3867**

**- xx**

**uu**

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

Example: PE3867-12 = 12 inches long cable  
PE3867-100cm = 100 cm long cable

SMA Male to SMA Male Cable 18 Inch Length Using PE-SR405FL Coax 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.

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 Cable 18 Inch Length Using PE-SR405FL Coax PE3867-18](#)

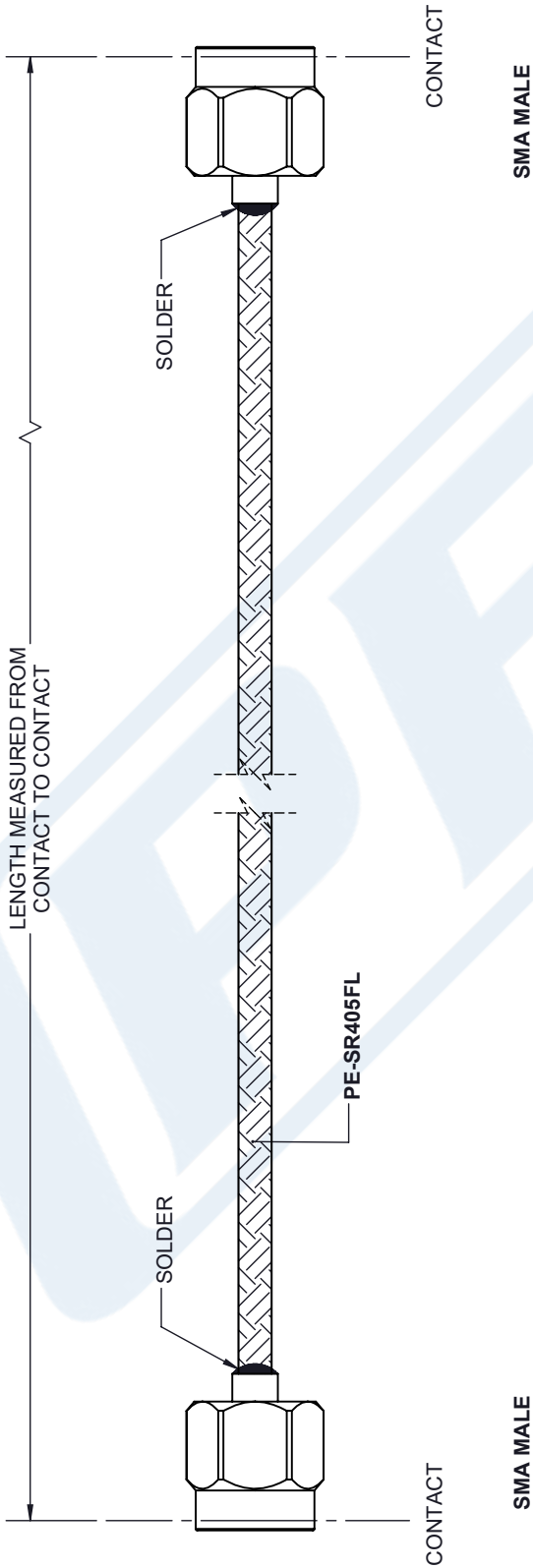
URL: <https://www.pasternack.com/sma-male-sma-male-pe-sr405fl-cable-assembly-pe3867-18-p.aspx>

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.

# PE3867-18 CAD Drawing

SMA Male to SMA Male Cable 18 Inch Length Using PE-SR405FL Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	2/18/2022	A. GANWANI



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TOLERANCES:				SHEET 1 OF 1			
X = ± .2		[.008]		FRACTIONS		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.	
.XX = ± .02		[.51]		± 1/32			
.XXX = ± .005		[.13]		ANGLES ± 1°			
CABLE LENGTH (L) TOLERANCES:				SCALE N/A			
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.				ITEM NO.		REV	
SIZE A		CAGE CODE 53919		DRAWN BY K.DANG		PE3867	

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