



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

TECHNICAL DATA SHEET

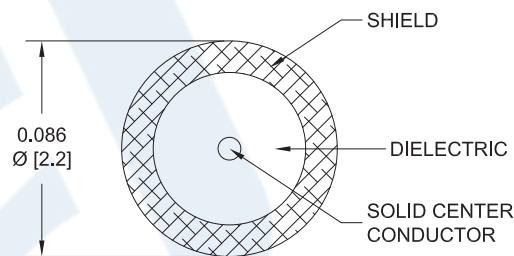
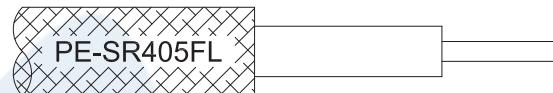
PE3867-18

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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PE3867-18

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	50 μ in. minimum, MIL-G-45204	50 μ 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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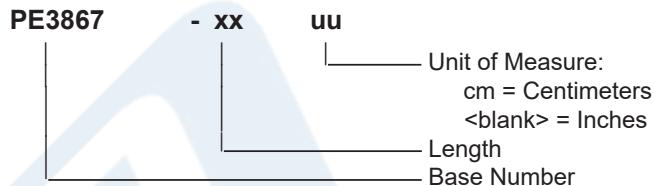
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How to Order

Part Number Configuration:



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](#)

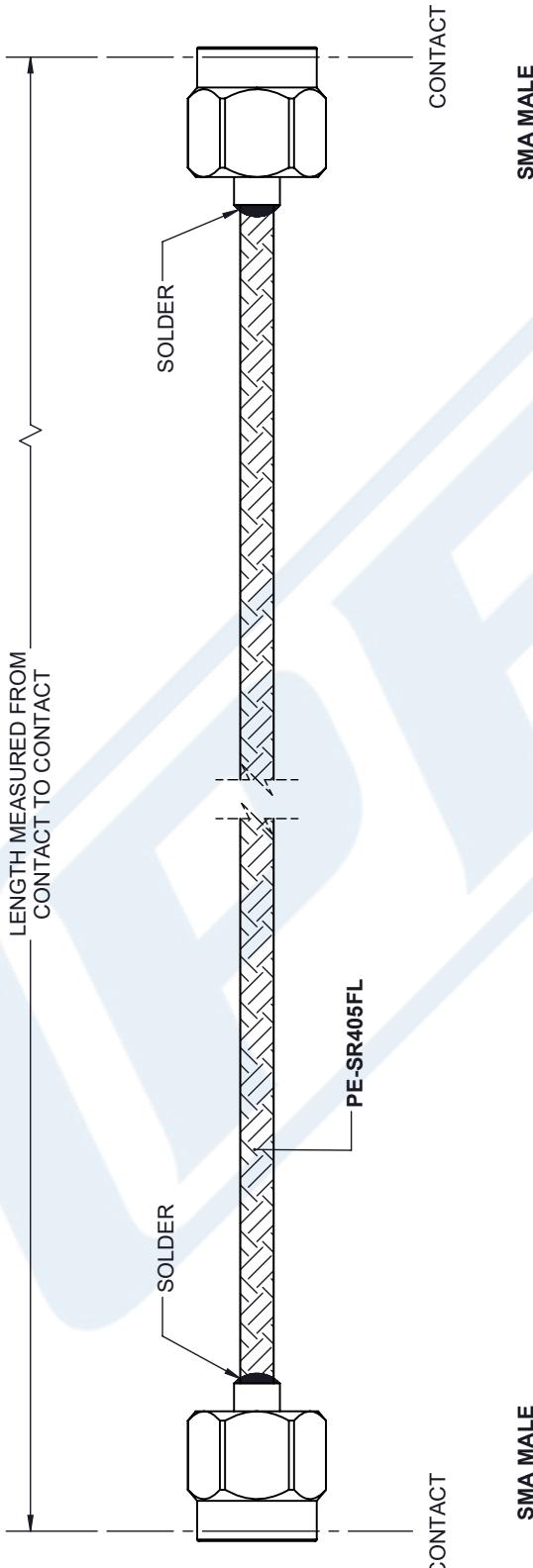
URL: <https://www.pasternack.com/sma-male-sma-male-pe-sr405fl-cable-assembly-pe3867-18-p.aspx>

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		



SMA MALE

CONTACT

SOLDER

PE-SR405FL

SOLDER

CONTACT

SMA MALE

CONTACT

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:			
X = ± 2	[5.08]	FRACTIONS	$\pm 1/32$
XX = $\pm .02$	[.51]	ANGLES	$\pm 1^\circ$
XXX = $\pm .005$	[.13]	CABLE LENGTH (L) TOLERANCES:	

L \leq 12 [305] = $+1.25$ / -0
12 [305] < L \leq 60 [1524] = $+2.5$ / -0
60 [1524] < L \leq 120 [3048] = $+4$ / -1.02 / -0
120 [3048] < L \leq 300 [7620] = $+6.152$ / -1.0
300 [7620] < L = $+58$ / L - 0

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

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SCALE N/A

SIZE A

CAGE CODE 53919

DRAWN BY K.DANG

ITEM NO. PE3867

REV. A

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

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