

SMA Male to SMA Male Right Angle Cable Using PE-SR402FL Coax



RF Cable Assemblies Technical Data Sheet

PE3483

Configuration

- Connector 1: SMA Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR402FL

Features

- Max Frequency 12.4 GHz
- Shielding Effectivity > 110 dB
- 69.5% Phase Velocity

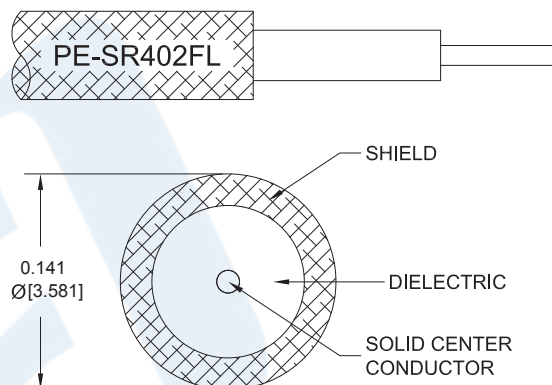
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3483 SMA male to SMA male right angle cable using PE-SR402FL 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-SR402FL coax. The PE3483 SMA male to SMA male cable assembly operates to 12.4 GHz. The right angle SMA interface on the PE-SR402FL 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-SR402FL Coax PE3483](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	GHz
VSWR			1.4:1	
Velocity of Propagation		69.5		%
RF Shielding	110			dB
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		7.8 [25.59]		Ω/1000ft [Ω/Km]
DC Resistance Outer Conductor		5.5 [18.04]		Ω/1000ft [Ω/Km]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	12.4	GHz
Insertion Loss (Max.)	1.08	1.12	1.18375	1.29	1.51	dB/ft
	3.54	3.67	3.88	4.23	4.95	dB/m
VSWR (Max.)	1.4:1	1.4:1	1.4:1	1.4:1	1.4:1	
Return Loss (Max.)	15.56	15.563	15.563	15.563	15.563	dB

Mechanical Specifications

Cable Assembly

Diameter 0.315 in [8 mm]

Cable

Cable Type PE-SR402FL
 Impedance 50 Ohms
 Inner Conductor Type Solid
 Inner Conductor Material and Plating Copper, Silver
 Dielectric Type PTFE
 Number of Shields 1
 Shield Layer 1 Tinned Copper Braid
 Repeated Minimum Bend Radius 0.625 in [15.88 mm]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMA Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	50 µin minimum	50 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Specification	10 µin minimum	30 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum
Hex Size	5/16 inch	5/16 inch
Torque	5 in-lbs [0.57 Nm]	5 in-lbs [0.57 Nm]

Environmental Specifications

Temperature

Operating Range -55 to +125 deg C

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

Plotted and Other Data

Notes:

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PE3483

How to Order

Part Number Configuration:

PE3483

- **xx**

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

Example: PE3483-12 = 12 inches long cable
PE3483-100cm = 100 cm long cable

SMA Male to SMA Male Right Angle Cable Using PE-SR402FL 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.

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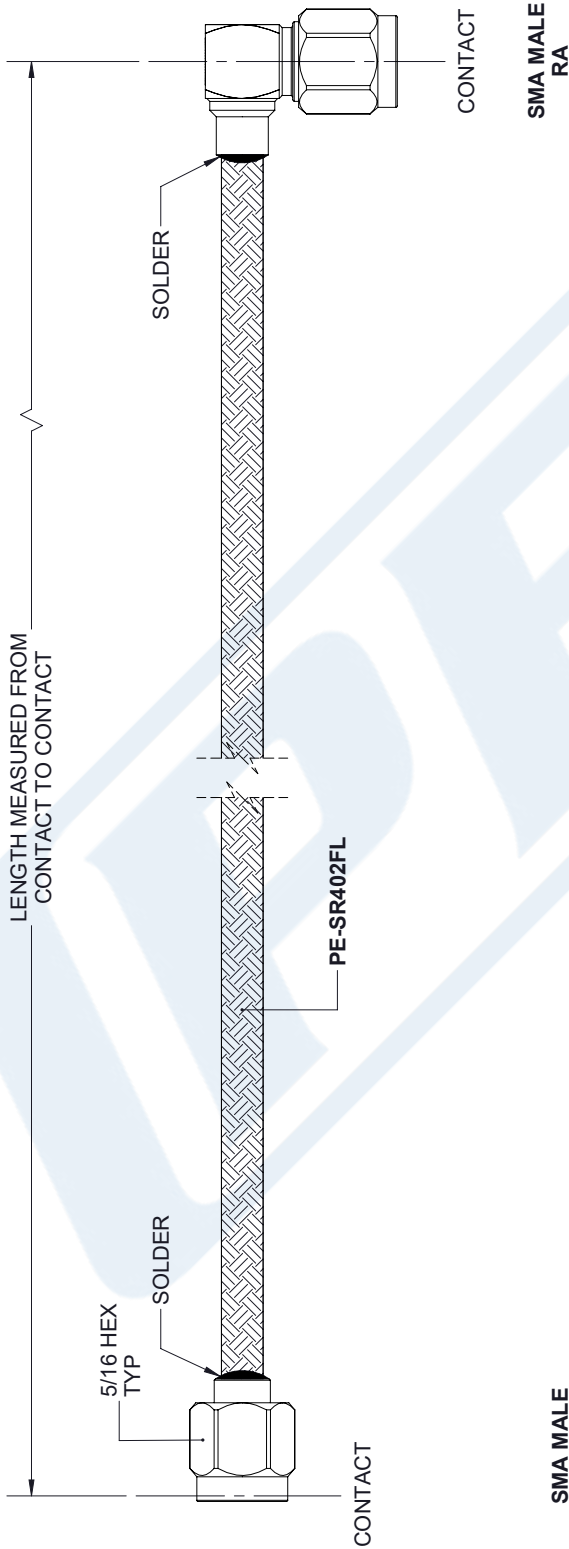
URL: <https://www.pasternack.com/sma-male-sma-male-pe-sr402fl-cable-assembly-pe3483-p.aspx>

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.

PE3483 CAD Drawing

SMA Male to SMA Male Right Angle Cable Using PE-SR402FL Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE3483	6/15/2020	S.ELLIS



PE PASTERNAK an INFINITI brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com		THIRD-ANGLE PROJECTION THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED. SHEET 1 OF 1 SCALE N/A																								
SIZE A	CAGE CODE 53919	DRAWN BY K.DANG	ITEM NO. PE3483																							
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: <table border="0"> <tr> <td>.X = ± .2</td><td>[.08]</td><td>FRACTIONS ± 1/32</td></tr> <tr> <td>.XX = ± .02</td><td>[.51]</td><td>ANGLES ± 1°</td></tr> <tr> <td>.XXX = ± .005</td><td>[.13]</td><td></td></tr> </table> CABLE LENGTH (L) TOLERANCES: <table border="0"> <tr> <td>L ≤ 12 [305]</td><td>± .1 [25]</td><td>/ -0</td></tr> <tr> <td>12 [305] < L ≤ 60 [1524]</td><td>± .2 [51]</td><td>/ -0</td></tr> <tr> <td>60 [1524] < L ≤ 120 [3048]</td><td>± .4 [102]</td><td>/ -0</td></tr> <tr> <td>120 [3048] < L ≤ 300 [7620]</td><td>± .6 [152]</td><td>/ -0</td></tr> <tr> <td>300 [7620] < L</td><td>± .5% L</td><td>/ -0</td></tr> </table> ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		.X = ± .2	[.08]	FRACTIONS ± 1/32	.XX = ± .02	[.51]	ANGLES ± 1°	.XXX = ± .005	[.13]		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% L	/ -0	REV A
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