

SMA Male to SMP Female Right Angle Cable Using PE-SR405FL Coax



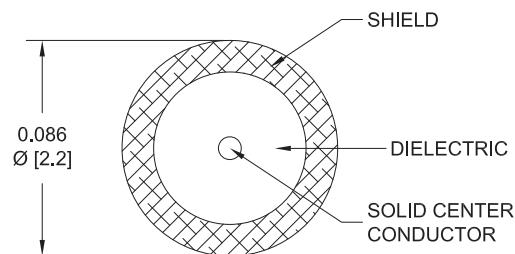
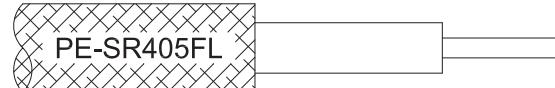
PE3C6315

Configuration

- Connector 1: SMA Male
- Connector 2: SMP Female Right Angle
- Cable Type: PE-SR405FL
- Coax Flex Type: Formable

Features

- Max Frequency 12.4 GHz
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6315 SMA male to SMP female right angle 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 SMP cable assembly has a male to female gender configuration with 50 ohm formable PE-SR405FL coax. The PE3C6315 SMA male to SMP female cable assembly operates to 12.4 GHz. The right angle SMP 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		12.4	
VSWR			1.4:1	
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]
DC Resistance Inner Conductor		65.7 [215.55]		Ohms/1000ft [Ohms/Km]
DC Resistance Outer Conductor		10.2 [33.46]		Ohms/1000ft [Ohms/Km]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	500	1000	2500	5000	12400	MHz	
PE3C6315	Custom Lengths Available	Insertion Loss (Typ.)	0.15	0.22	0.34	0.54	0.9	dB/ft	
			0.5	0.73	1.12	1.78	2.96	dB/m	
PE3C6315-6	6 inch	Insertion Loss (Typ.)	0.25	0.31	0.43	0.6	0.91	dB	0.019
PE3C6315-9	9 inch	Insertion Loss (Typ.)	0.29	0.37	0.52	0.73	1.13	dB	0.022
PE3C6315-12	12 inch	Insertion Loss (Typ.)	0.33	0.42	0.6	0.87	1.36	dB	0.024
PE3C6315-24	24 inch	Insertion Loss (Typ.)	0.48	0.64	0.94	1.41	2.26	dB	0.036
PE3C6315-36	36 inch	Insertion Loss (Typ.)	0.63	0.86	1.28	1.95	3.16	dB	0.047

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.1 dB

Loss due to Connector 2: 0.1 x $\sqrt{f\text{GHz}}$ dB

Base Weight: 0.024 pounds

Additional Weight per Inch: 0.00092 pounds

Mechanical Specifications

Cable Assembly

Weight 0.024 lbs [10.89 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 1 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	SMP Female Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	50µ in. minimum	
Dielectric Type	Teflon	PTFE
Body Material and Plating	Brass, Gold	Beryllium Copper, Gold
Body Plating Specification	3µ in. minimum	
Coupling Nut Material and Plating	Brass, Gold	
Coupling Nut Plating Specification	3µ in. minimum	
Hex Size	5/16 Inch	
Torque	3 in-lbs 0.34 Nm	

Environmental Specifications

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

Plotted and Other Data

Notes:

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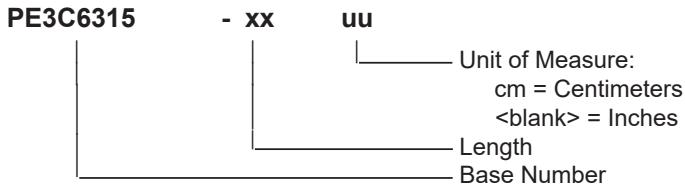


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Typical Performance Data

How to Order

Part Number Configuration:



Example: PE3C6315-12 = 12 inches long cable
PE3C6315-100cm = 100 cm long cable

SMA Male to SMP Female Right Angle Cable 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 SMP Female Right Angle Cable Using PE-SR405FL Coax PE3C6315](#)

URL: <https://www.pasternack.com/sma-male-to-smp-female-cable-using-pe-sr405fl-pe3c6315-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3C6315 CAD Drawing

SMA Male to SMP Female Right Angle Cable Using PE-SR405FL Coax

