

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

PE3C2755

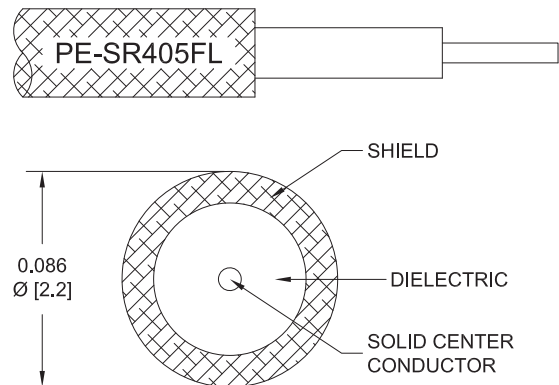


Configuration

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

Features

- Max Frequency 10 GHz
- 69.5% Phase Velocity



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C2755 SMA male to SMA male 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 SMA cable assembly has a male to male gender configuration with 50 ohm formable PE-SR405FL coax. The PE3C2755 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	500	1000	2500	5000	10000	MHz	
PE3C2755	Custom Lengths Available	Insertion Loss (Typ.)	0.15	0.23	0.346	0.549	0.812	dB/ft	
			0.5	0.74	1.14	1.81	2.67	dB/m	
PE3C2755-6	6 inch	Insertion Loss (Typ.)	0.38	0.42	0.48	0.58	0.71	dB	0.03
PE3C2755-9	9 inch	Insertion Loss (Typ.)	0.42	0.47	0.56	0.72	0.91	dB	0.03
PE3C2755-12	12 inch	Insertion Loss (Typ.)	0.45	0.53	0.65	0.85	1.12	dB	0.04
PE3C2755-24	24 inch	Insertion Loss (Typ.)	0.6	0.75	1	1.4	1.93	dB	0.05
PE3C2755-36	36 inch	Insertion Loss (Typ.)	0.75	0.98	1.34	1.95	2.74	dB	0.06

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:	0.2 dB
Base Weight:	0.032 pounds
Additional Weight per Inch:	0.00092 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.032 lbs [14.51 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	SMA Male Right Angle
Specification	MIL-STD-348A	
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Right Angle
Mating Cycles	500	
Contact Material and Plating	Brass, Gold	Brass, Gold over Nickel
Contact Plating Specification	50 µin minimum	8 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Stainless Steel, Gold	Brass, Gold over Nickel
Body Plating Specification	10 µin minimum	4 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Passivated Stainless Steel
Coupling Nut Plating Specification	100 µin minimum	
Hex Size	5/16 in.	5/16 in.
Torque	5 in-lbs 0.57 Nm	8 in-lbs 0.9 Nm
Seal Gasket Material	Silicone	

Environmental Specifications

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

Plotted and Other Data

Notes:

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PE3C2755

Typical Performance Data

How to Order

Part Number Configuration:

PE3C2755

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Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3C2755-12 = 12 inches long cable
PE3C2755-100cm = 100 cm long cable

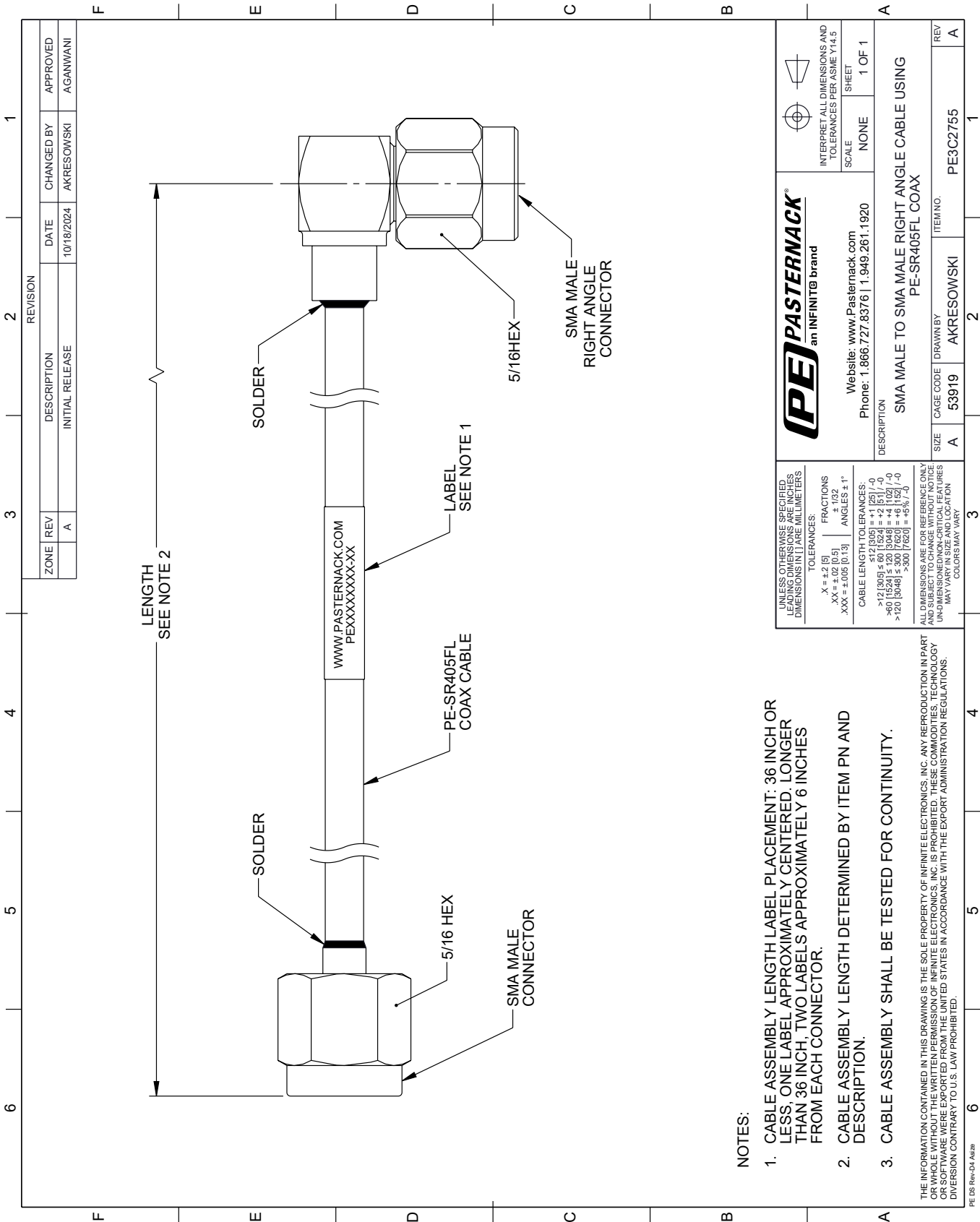
SMA Male to SMA Male Right Angle Cable Using PE-SR405FL Coax from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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 SMA Male Right Angle Cable Using PE-SR405FL Coax PE3C2755](https://www.pasternack.com/sma-male-to-sma-male-cable-using-pe-sr405fl-pe3c2755-p.aspx)

URL: <https://www.pasternack.com/sma-male-to-sma-male-cable-using-pe-sr405fl-pe3c2755-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.

PE3C2755 CAD Drawing
SMA Male to SMA Male Right Angle Cable Using PE-SR405FL Coax



- 1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
- 2. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
- 3. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.

PE PASTERNAK an INFINITI® brand		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS.		TOLERANCES:		SCALE: NONE	
X = ±.2 [5]		FRACTIONS: ± 1/32		SHEET: 1 OF 1	
.XX = ±.02 [0.5]		ANGLES: ± 1°			
.XXX = ±.005 [0.13]					
CABLE LENGTH TOLERANCES:					
>12 [305] ≤ 60 [1524] = ±.125 [-0]					
>60 [1524] ≤ 120 [3048] = ±.125 [-0]					
>120 [3048] ≤ 300 [7620] = ±.125 [-0]					
>300 [7620] = ±.125 [-0]					
ALL DIMENSIONS ARE FOR REFERENCE ONLY. DIMENSIONS SHALL BE DETERMINED BY ITEM PN AND DESCRIPTION.					
UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.					
DESCRIPTION: SMA MALE TO SMA MALE RIGHT ANGLE CABLE USING PE-SR405FL COAX		ITEM NO: PE3C2755		REV: A	
SIZE: A		CAGE CODE: 53919		DRAWN BY: AKRESOWSKI	