



N Male to SMA Male Right Angle Cable Using PE-SR405AL Coax

RF Cable Assemblies Technical Data Sheet

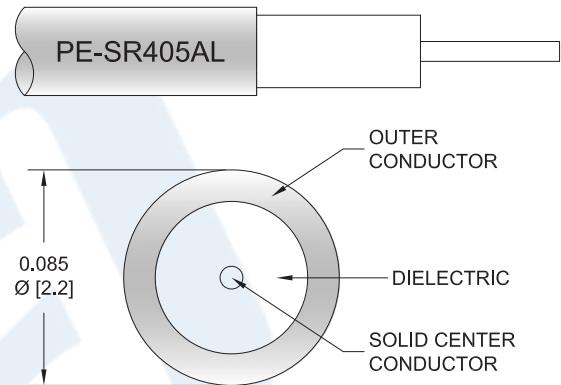
PE3C6441

Configuration

- Connector 1: N Male
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR405AL

Features

- Max Frequency 10 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C6441 type N male to SMA male right angle cable using PE-SR405AL coax is part of our full line of RF components available for same-day shipping. Pasternack's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. This Pasternack type N to SMA cable assembly has a male to male gender configuration with 50 ohm semi-rigid PE-SR405AL coax. The PE3C6441 type N male to SMA male cable assembly operates to 10 GHz. The right angle SMA interface on the PE-SR405AL 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: [N Male to SMA Male Right Angle Cable Using PE-SR405AL Coax PE3C6441](#)



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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		10	GHz
VSWR			1.4:1	
Dielectric Withstanding Voltage (AC)			5,000	Vrms

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2.5	5	10		GHz
Insertion Loss (Typ.)	0.23	0.326	0.487	0.81		dB/ft
	0.75	1.07	1.6	2.66		dB/m

Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB for the N Male Straight connector and 0.2 dB for the SMA Male right angle connector.

Mechanical Specifications

Cable Assembly

Weight 0.074 lbs [33.57 g]

Cable

Cable Type PE-SR405AL
Impedance 50 Ohms
Inner Conductor Type Solid
Inner Conductor Material and Plating Copper Clad Steel, Silver PTFE
Dielectric Type 1
Number of Shields Tinned Aluminum
Outer Conductor Material and Plating

One Time Minimum Bend Radius 0.05 in [1.27 mm]

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Connectors

Description	Connector 1	Connector 2
Type	N Male	SMA Male Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold over Nickel	Brass, Gold over Nickel
Contact Plating Specification		0.2 μ in minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Gold over Nickel
Body Plating Specification		0.1 μ in minimum
Coupling Nut Material and Plating	Brass, Nickel	Passivated Stainless Steel
Hex Size		5/16 inch
Torque		8 in-lbs [0.9 Nm]

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

Plotted and Other Data

Notes:

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How to Order

Part Number Configuration:

PE3C6441

- **xx**

uu

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

Example: PE3C6441-12 = 12 inches long cable
PE3C6441-100cm = 100 cm long cable

N Male to SMA Male Right Angle Cable Using PE-SR405AL 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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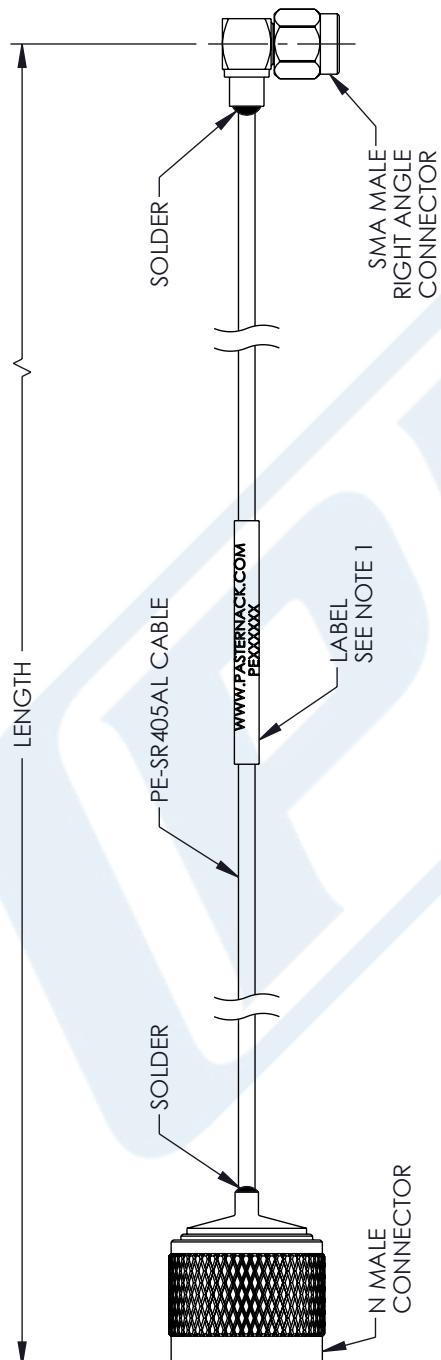
URL: <https://www.pasternack.com/n-male-to-sma-male-cable-using-pe-sr405al-pe3c6441-p.aspx>

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.

PE3C6441 CAD Drawing

N Male to SMA Male Right Angle Cable Using PE-SR405AL Coax

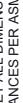
ZONE	REV.	DESCRIPTION	DATE	CHANGED BY	APPROVED BY
	A	INITIAL RELEASE	01/13/2023	KGLEBOVA	AGANWANI



NOTES.

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6 INCHES
FROM EACH CONNECTOR.
CABLES ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
- 2.

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		SCALE	NONE	1 OF 1	REV A
		Website: www.Pasternack.com Phone: 1.866.727.8376 1.949.261.1920			
DESCRIPTION N MALE TO SMA MALE RIGHT ANGLE CABLE USING PE-SR405AL COAX					
IDENTIFIED INCHES METERS					
POSITIONS ES ± 1°					
ACCESSES: [25] / -0 [51] / -0 [102] / -0 [152] / -0 [25] / -0					
SIZE A	CAGE CODE 53919	DRAWN BY KGLEBOVA	ITEM NO. PE3C6441		
NOTE ONLY IF IT NOTICE.					