

Mini SMP Female to SMA Male Cable Using PE-SR405AL Coax



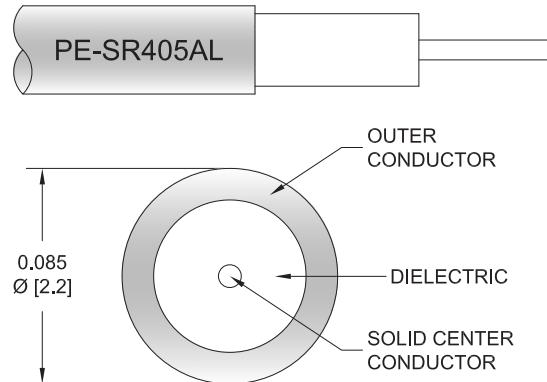
PE3W15363

Configuration

- Connector 1: Mini SMP Female
- Connector 2: SMA Male
- Cable Type: PE-SR405AL
- Coax Flex Type: Semi-Rigid

Features

- Max Frequency 26.5 GHz



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W15363 Mini SMP female to SMA male 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 Mini SMP to SMA cable assembly has a female to male gender configuration with 50 ohm semi-rigid PE-SR405AL coax. The PE3W15363 Mini SMP female to SMA male cable assembly operates to 26.5 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.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		26.5	GHz
VSWR			1.5:1	

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units MHz	Weight (lbs)
		Frequency	1000	2000	4500	9000	20000		
PE3W15363	Custom Lengths Available	Insertion Loss (Typ.)	0.23	0.294	0.456	0.746	1.31	dB/ft	
			0.76	0.97	1.5	2.45	4.3	dB/m	
PE3W15363-6	6 inch	Insertion Loss (Typ.)	0.32	0.35	0.43	0.58	0.86	dB	0.018
PE3W15363-12	12 inch	Insertion Loss (Typ.)	0.43	0.5	0.66	0.95	1.51	dB	0.025
PE3W15363-18	18 inch	Insertion Loss (Typ.)	0.55	0.65	0.89	1.32	2.17	dB	0.033
PE3W15363-24	24 inch	Insertion Loss (Typ.)	0.66	0.79	1.12	1.7	2.82	dB	0.04
PE3W15363-36	36 inch	Insertion Loss (Typ.)	0.89	1.09	1.57	2.44	4.13	dB	0.054

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 dB

Base Weight: 0.025 pounds

Additional Weight per Inch: 0.00117 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter 0.5 in [12.7 mm]
Weight 0.025 lbs [11.34 g]

Cable

Cable Type	PE-SR405AL
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	Tinned Aluminum
One Time Minimum Bend Radius	0.05 in [1.27 mm]

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Connectors

Description	Connector 1	Connector 2
Type	Mini SMP Female	SMA Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles		500
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-G-45204	ASTM-B488
Dielectric Type	PTFE	PTFE
Body Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Body Plating Specification	MIL-G-45204	ASTM-B488
Coupling Nut Material and Plating		Steel
Torque		7 in-lbs 0.79 Nm
Seal Gasket Material		Silicone

Environmental Specifications

Operating Range Temperature -55 to +125 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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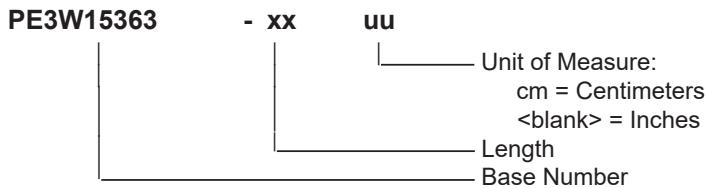


PE3W15363

Typical Performance Data

How to Order

Part Number Configuration:



Example: PE3W15363-12 = 12 inches long cable
PE3W15363-100cm = 100 cm long cable

Mini SMP Female to SMA Male 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.

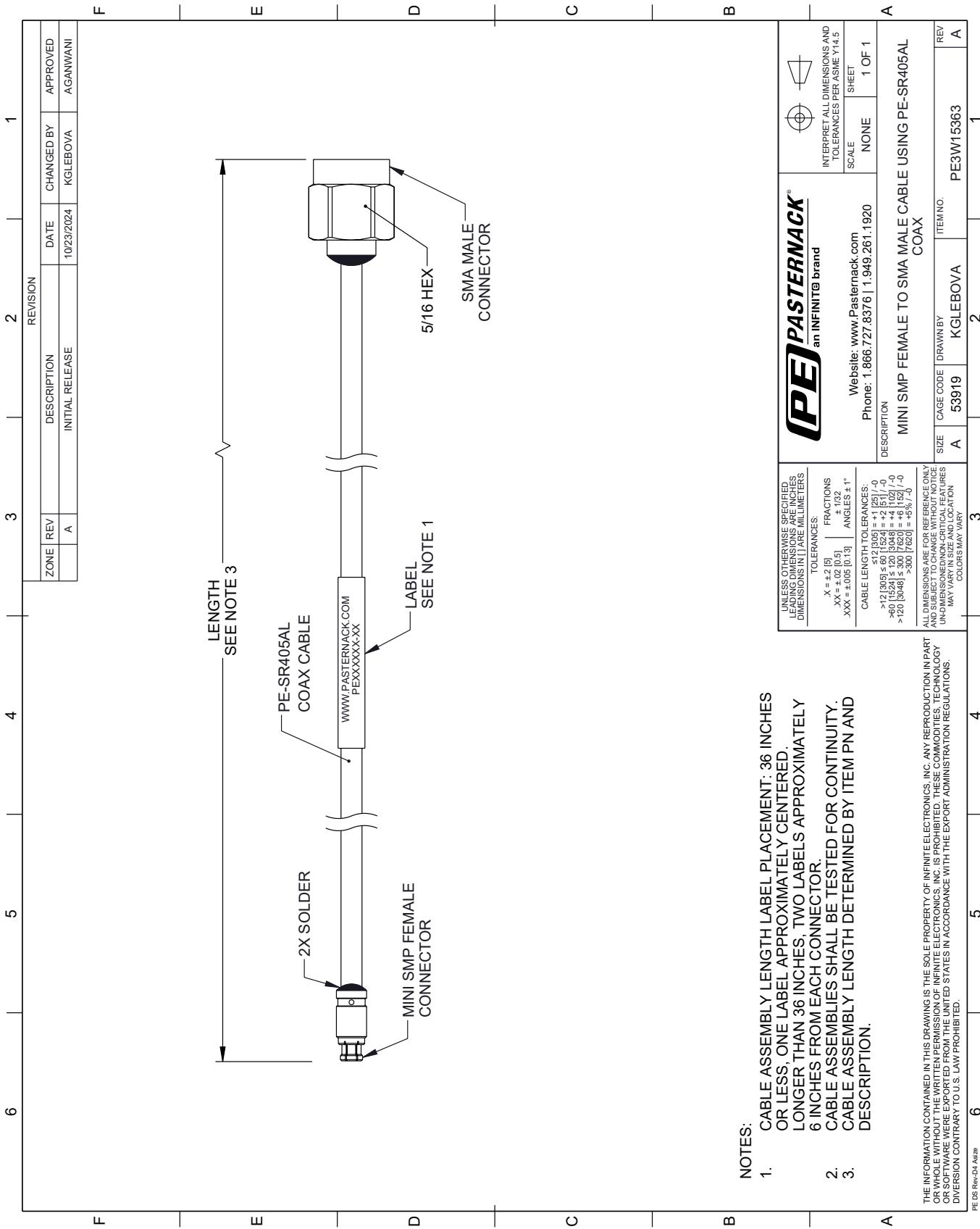
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Mini SMP Female to SMA Male Cable Using PE-SR405AL Coax PE3W15363](#)

URL: <https://www.pasternack.com/mini-smp-female-to-sma-male-cable-using-pe-sr405al-pe3w15363-p.aspx>

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PE3W15363 CAD Drawing

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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. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.
- 2.
- 3.

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