



## SMA Male Right Angle to SMA Male Right Angle Cable Using PE-SR401AL Coax

### RF Cable Assemblies Technical Data Sheet

**PE34215**

#### Configuration

- Connector 1: SMA Male Right Angle
- Connector 2: SMA Male Right Angle
- Cable Type: PE-SR401AL-STRAIGHT

#### Features

- Max Frequency 12.4 GHz
- 69.5% Phase Velocity

#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE34215 SMA male right angle to SMA male right angle cable using PE-SR401AL 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 SMA to SMA cable assembly has a male to male gender configuration with 50 ohm semi-rigid PE-SR401AL-STRAIGHT coax. The PE34215 SMA male to SMA male cable assembly operates to 12.4 GHz. The right angle SMA interfaces on the PE-SR401AL-STRAIGHT cable allow 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	GHz
Velocity of Propagation		69.5		%
Capacitance		29.6 [97.11]		pF/ft [pF/m]
Dielectric Withstanding Voltage (AC)			7,500	Vrms

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.5	1	2.5	5	12.4	GHz
Insertion Loss (Typ.)	0.024	0.039	0.054	0.059	0.38	dB/ft
	0.08	0.13	0.18	0.19	1.25	dB/m

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male Right Angle to SMA Male Right Angle Cable Using PE-SR401AL Coax PE34215](#)



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Power Handling (Max.)	962	661	265	200	W
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Electrical Specification Notes:  
Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector.

#### Mechanical Specifications

##### Cable Assembly

Weight 0.107 lbs [48.53 g]

##### Cable

Cable Type PE-SR401AL-STRAIGHT  
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 Aluminum  
Jacket Diameter 0.25 in [6.35 mm]

One Time Minimum Bend Radius 0.25 in [6.35 mm]

##### Connectors

Description	Connector 1	Connector 2
Type	SMA Male Right Angle	SMA Male Right Angle
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Gold	Brass, Gold
Coupling Nut Material and Plating	Brass, Gold	Brass, Gold
Hex Size	5/16 in	5/16 in
Torque	5 in-lbs [0.57 Nm]	5 in-lbs [0.57 Nm]

Mechanical Specification Notes:  
Cable assemblies that are 60 inches or less use straight coax, greater than 60 inches use coiled coax

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

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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**PE34215**

#### How to Order

Part Number Configuration:

**PE34215**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE34215-12 = 12 inches long cable  
PE34215-100cm = 100 cm long cable

SMA Male Right Angle to SMA Male Right Angle Cable Using PE-SR401AL 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 Right Angle to SMA Male Right Angle Cable Using PE-SR401AL Coax PE34215](#)

URL: <https://www.pasternack.com/sma-male-sma-male-pe-sr401al-cable-assembly-pe34215-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.

