



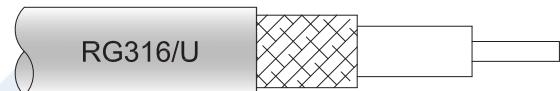
## SMA Male to Push-On SMP Female Right Angle Cable 48 Inch Length Using RG316 Coax

### RF Cable Assemblies Technical Data Sheet

**PE3W05274-48**

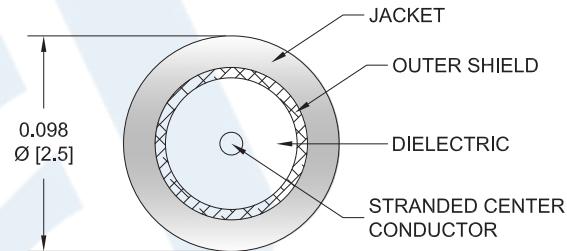
#### Configuration

- Connector 1: SMA Male
- Connector 2: Push-OnSMP Female Right Angle
- Cable Type: RG316



#### Features

- Max Frequency 3 GHz
- 69% Phase Velocity
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3W05274-48 SMA male to SMP female push-on right angle 48 inch cable using RG316 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. This Pasternack SMA to SMP cable assembly has a male to female gender configuration with 50 ohm flexible RG316 coax. The PE3W05274-48 SMA male to SMP female cable assembly operates to 3 GHz. The right angle SMP interface on the RG316 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		3	GHz
VSWR			1.5:1	
Velocity of Propagation		69		%
Jacket Spark			2,000	Vrms

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 Push-On SMP Female Right Angle Cable 48 Inch Length Using RG316 Coax PE3W05274-48](#)



## SMA Male to Push-On SMP Female Right Angle Cable 48 Inch Length Using RG316 Coax

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#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.25	0.5	1	2.5	3	GHz
Insertion Loss (Max.)	0.94	1.26	1.82	2.42	2.62	dB

#### Electrical Specification Notes:

The Insertion Loss data above is base on the performance specifications of the coax use in the assembly. The Insertion Loss includes an estimated insertion loss of 0.3dB of connector loss.

#### Mechanical Specifications

##### Cable Assembly

Length\*

48 in [121.92 cm]

##### Cable

Cable Type

RG316

Impedance

50 Ohms

Inner Conductor Type

Stranded

Inner Conductor Material and Plating

Copper Clad Steel, Silver

Dielectric Type

PTFE

Number of Shields

1

Shield Layer 1

Silver Plated Copper Braid

Jacket Material

FEP, Tan

Jacket Diameter

0.098 in [2.49 mm]

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## SMA Male to Push-On SMP Female Right Angle Cable 48 Inch Length Using RG316 Coax

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#### Connectors

Description	Connector 1	Connector 2
Type	SMA Male	SMP Female Right Angle
Specification		MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Connection Method		Push-On
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification		30 $\mu$ in. minimum
Dielectric Type	PTFE	Teflon
Outer Conductor Material and Plating		Beryllium Copper, Gold
Outer Conductor Plating Specification		3 $\mu$ in. minimum
Body Material and Plating	Brass, Gold	Brass, Gold
Body Plating Specification		3 $\mu$ in. minimum
Coupling Nut Material and Plating	Brass, Gold	
Hex Size	5/16 in	
Torque	5 in-lbs [0.57 Nm]	

#### Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm$  3/8", whichever is greater.

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

#### Plotted and Other Data

Notes:

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SMA Male to Push-On SMP Female Right Angle  
Cable 48 Inch Length Using RG316 Coax

RF Cable Assemblies Technical Data Sheet

PE3W05274-48

**How to Order**

Part Number Configuration:

**PE3W05274**

- **xx**

**uu**

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

Example: PE3W05274-12 = 12 inches long cable  
PE3W05274-100cm = 100 cm long cable

SMA Male to Push-On SMP Female Right Angle Cable 48 Inch Length Using RG316 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/sma-male-smp-female-rg316u-cable-assembly-pe3w05274-48-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.

# PE3W05274-48 CAD Drawing

SMA Male to Push-On SMP Female Right Angle Cable 48 Inch Length Using RG316 Coax

