

## SMC Plug Right Angle to SMC Plug Right Angle Cable 72 Inch Length Using PE-B100 Coax



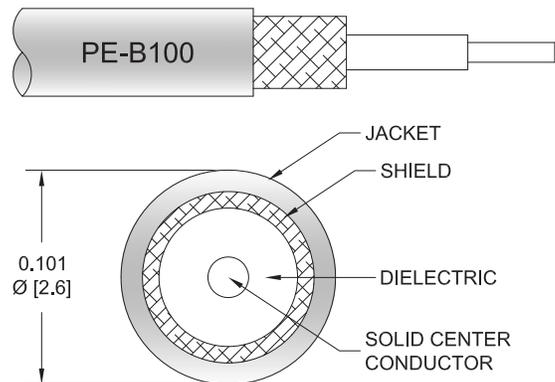
### PE34466-72

#### Configuration

- Connector 1: SMC Plug Right Angle
- Connector 2: SMC Plug Right Angle
- Cable Type: PE-B100
- Coax Flex Type: Flexible

#### Features

- Max Frequency 4 GHz
- 62% Phase Velocity
- Double Shielded
- PVC Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE34466-72 SMC plug right angle to SMC plug right angle 72 inch cable using PE-B100 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 SMC to SMC cable assembly has a plug to plug gender configuration with 50 ohm flexible PE-B100 coax. The PE34466-72 SMC plug to SMC plug cable assembly operates to 4 GHz. The right angle SMC interfaces on the PE-B100 cable allow for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness.

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		4	GHz
VSWR			1.4:1	
Velocity of Propagation		62		%
Capacitance		38 [124.67]		pF/ft [pF/m]
Operating Voltage (AC)			335	Vrms

#### Mechanical Specifications

##### Cable Assembly

Width/Diameter	0.451 in [11.46 mm]
Weight	0.013 lbs [5.9 g]

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**PE34466-72**

**Cable**

Cable Type	PE-B100
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	2
Shield Layer 1	PVC
Shield Layer 2	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.101 in [2.57 mm]

**Connectors**

Description	Connector 1	Connector 2
Type	SMC Plug Right Angle	SMC Plug Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Right Angle
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	30μ in. minimum	30μ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100μ in. minimum	100μ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100μ in. minimum	100μ in. minimum
Hex Size	1/4 in.	1/4 in.
Torque	3 in-lbs 0.34 Nm	3 in-lbs 0.34 Nm

**Environmental Specifications**

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

**Plotted and Other Data**

Notes:  
Values at 25°C, sea level.

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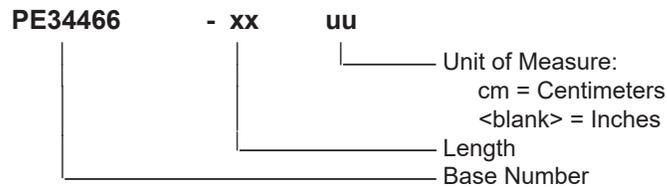


**PE34466-72**

**Typical Performance Data**

**How to Order**

Part Number Configuration:



Example: PE34466-12 = 12 inches long cable  
PE34466-100cm = 100 cm long cable

SMC Plug Right Angle to SMC Plug Right Angle Cable 72 Inch Length Using PE-B100 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.

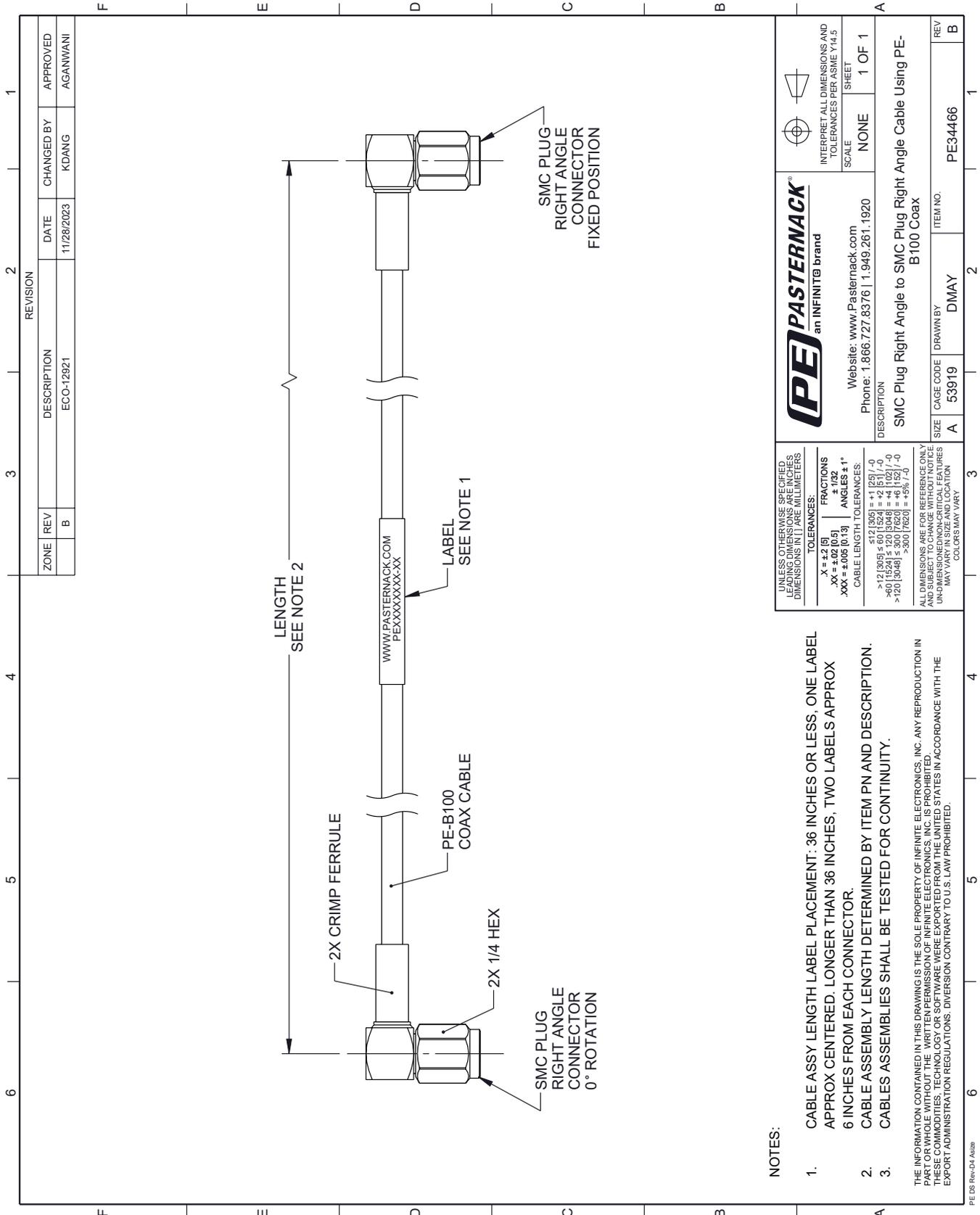
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Plug Right Angle to SMC Plug Right Angle Cable 72 Inch Length Using PE-B100 Coax PE34466-72](#)

URL: <https://www.pasternack.com/smc-plug-smc-plug-pe-b100-cable-assembly-pe34466-72-p.aspx>

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# PE34466-72 CAD Drawing

SMC Plug Right Angle to SMC Plug Right Angle Cable 72 Inch Length Using PE-B100 Coax



**NOTES:**

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

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REVISION		DATE	CHANGED BY	APPROVED
ZONE	REV			
	B	11/28/2023	KDANG	AGANWANI
DESCRIPTION				
ECO-12921				

		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE NONE SHEET 1 OF 1	
Website: www.Pasternack.com Phone: 1.866.727.8376   1.949.261.1920		DESCRIPTION SMC Plug Right Angle to SMC Plug Right Angle Cable Using PE-B100 Coax	
UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE MILLIMETERS TOLERANCES: .X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13] ANGLES ± 1° ± 1/32 CABLE LENGTH TOLERANCES: <12 [305] ±.60 [1524] = ±.2 [51] / -0 >12 [305] ±.60 [1524] = ±.4 [1027] / -0 >20 [508] ±.30 [762] = ±.5% [12.7] / -0	CAGE CODE 53919	DRAWN BY DMAY	ITEM NO. PE34466
ALL DIMENSIONS ARE FOR REFERENCE ONLY UNLESS OTHERWISE SPECIFIED UNDIMENSIONS NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION COLORS MAY VARY			