

## SMC Plug Right Angle to SMC Plug Right Angle Cable 60 Inch Length Using PE-B100 Coax



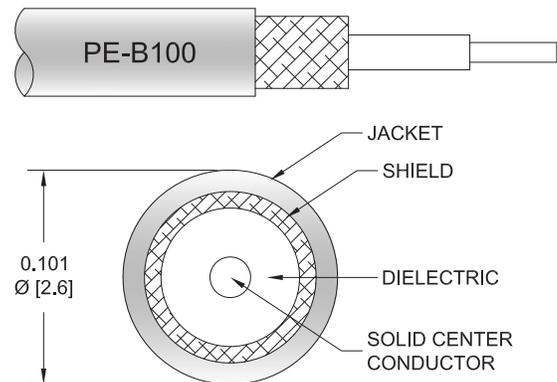
### PE34466-60

#### 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 PE34466-60 SMC plug right angle to SMC plug right angle 60 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 PE34466-60 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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**PE34466-60**

**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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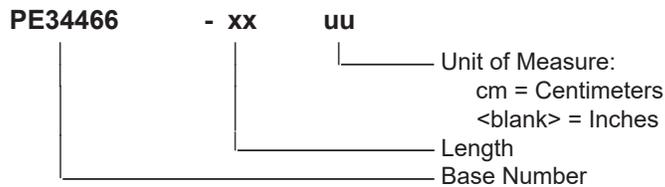


**PE34466-60**

**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 60 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.

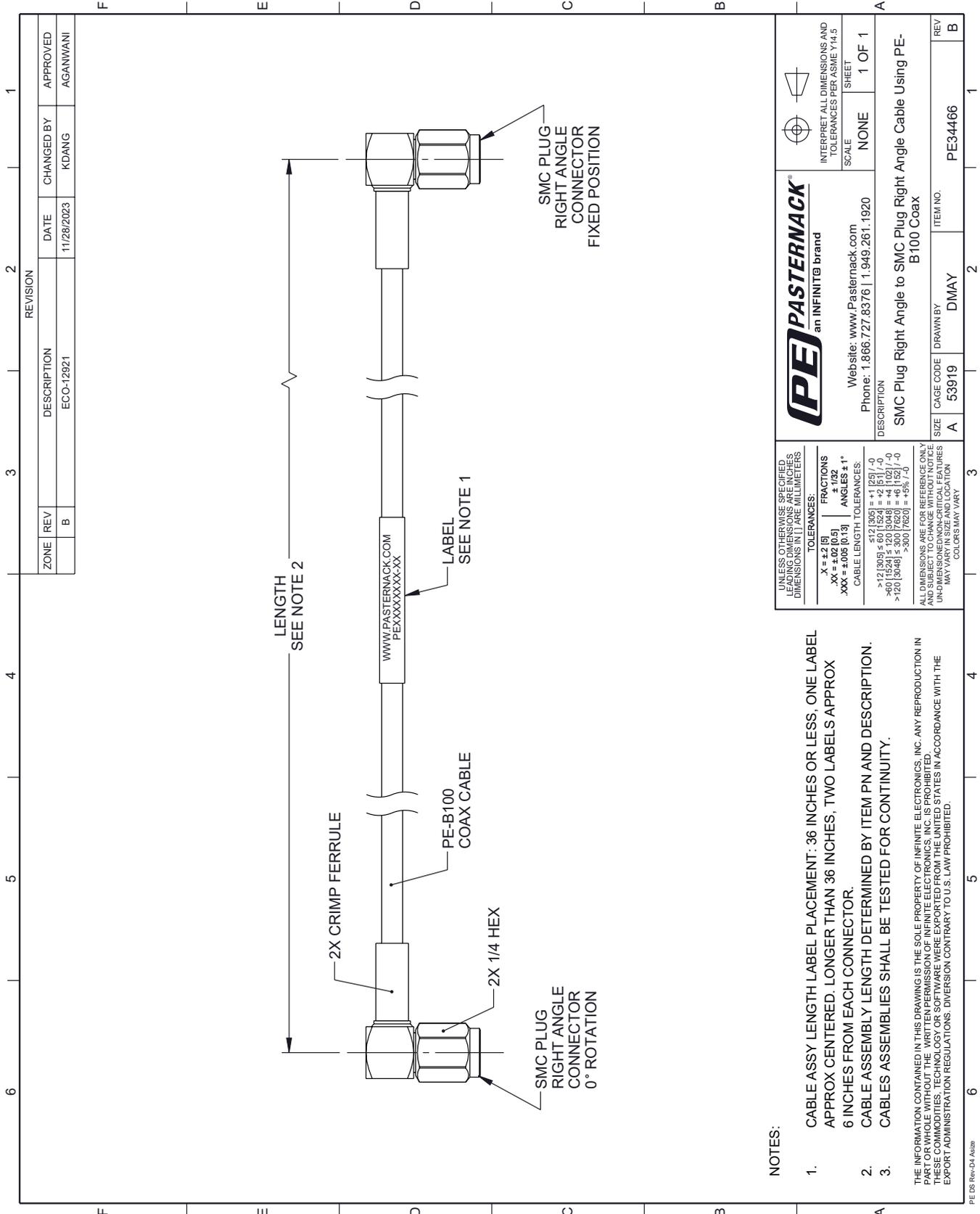
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMC Plug Right Angle to SMC Plug Right Angle Cable 60 Inch Length Using PE-B100 Coax PE34466-60](#)

URL: <https://www.pasternack.com/smc-plug-smc-plug-pe-b100-cable-assembly-pe34466-60-p.aspx>

The information contained within 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 impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

# PE34466-60 CAD Drawing

SMC Plug Right Angle to SMC Plug Right Angle Cable 60 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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|  |   |   |
|--|---|---|
| UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.                           | <b>TOLERANCES:</b><br>.X = ±.2 [5]<br>.XX = ±.02 [0.5]<br>.XXX = ±.005 [0.13]   | <b>FRACTIONS</b><br>± 1/32<br>ANGLES ± 1° |
|  | CABLE LENGTH TOLERANCES:<br>≤ 12 [305] ± .60 [1524] = ± 1 [25] / -0<br>> 12 [305] ≤ 60 [1524] = ± 4 [102] / -0<br>> 60 [1524] ≤ 120 [3048] = ± 4 [102] / -0<br>> 120 [3048] ≤ 300 [7620] = ± 5% [25] / -0 |   |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY. |   |   |

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INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE

SHEET 1 OF 1

|   |      |           |          |          |
|---|------|-----------|----------|----------|
| DESCRIPTION   | SIZE | CAGE CODE | DRAWN BY | ITEM NO. |
| SMC Plug Right Angle to SMC Plug Right Angle Cable Using PE-B100 Coax | A    | 53919     | DMAY     | PE34466  |
| REV   | B    |           |          |          |