



## SMP Female to SMP Female Right Angle Cable Using PE-P086 Coax

### RF Cable Assemblies Technical Data Sheet

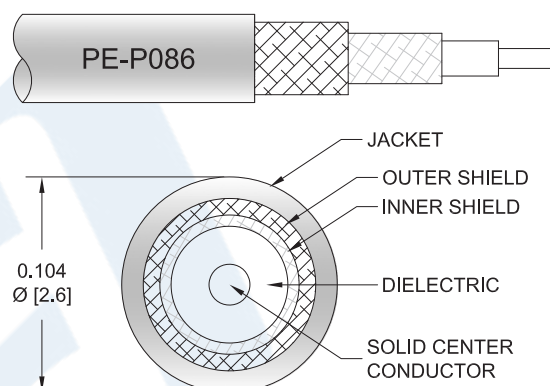
**PE3C6319**

#### Configuration

- Connector 1: SMP Female
- Connector 2: SMP Female Right Angle
- Cable Type: PE-P086

#### Features

- Shielding Effectivity > 110 dB
- 70% Phase Velocity
- Double Shielded
- FEP Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE3C6319 SMP female to SMP female right angle cable using PE-P086 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 SMP to SMP cable assembly has a female to female gender configuration with 50 ohm flexible PE-P086 coax. The right angle SMP interface on the PE-P086 cable allows for easier connections in tight spaces. The double shielding of this Pasternack cable assembly provides excellent shielding effectiveness of better than 110 dB.

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        |
|-------------------------|---------|--------------|---------|--------------|
| Velocity of Propagation |         | 70           |         | %            |
| RF Shielding            | 110     |              |         | dB           |
| Capacitance             |         | 29.4 [96.46] |         | pF/ft [pF/m] |

#### Mechanical Specifications

##### Cable Assembly

Weight 0.045 lbs [20.41 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Female to SMP Female Right Angle Cable Using PE-P086 Coax PE3C6319](#)



SMP Female to SMP Female Right Angle  
Cable Using PE-P086 Coax

**RF Cable Assemblies Technical Data Sheet**

**PE3C6319**

**Cable**

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | PE-P086                    |
| Impedance                            | 50 Ohms                    |
| Inner Conductor Type                 | Solid                      |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver  |
| Dielectric Type                      | PTFE                       |
| Number of Shields                    | 2                          |
| Shield Layer 1                       | Silver Plated Copper Tape  |
| Shield Layer 2                       | Silver Plated Copper Braid |
| Jacket Material                      | FEP, Blue                  |
| Jacket Diameter                      | 0.104 in [2.64 mm]         |

Repeated Minimum Bend Radius 0.5 in [12.7 mm]

**Connectors**

| Description                   | Connector 1            | Connector 2            |
|-------------------------------|------------------------|------------------------|
| Type                          | SMP Female             | SMP Female Right Angle |
| Specification                 | MIL-STD-348            | MIL-STD-348            |
| Impedance                     | 50 Ohms                | 50 Ohms                |
| Contact Material and Plating  | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Contact Plating Specification | MIL-G-45204            | MIL-G-45204            |
| Dielectric Type               | PTFE                   | PTFE                   |
| Body Material and Plating     | Beryllium Copper, Gold | Beryllium Copper, Gold |
| Body Plating Specification    | MIL-G-45204            | MIL-G-45204            |

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

**Plotted and Other Data**

Notes:

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## SMP Female to SMP Female Right Angle Cable Using PE-P086 Coax

### RF Cable Assemblies Technical Data Sheet

**PE3C6319**

#### How to Order

Part Number Configuration:

**PE3C6319**

- **xx**

**uu**

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

Example: PE3C6319-12 = 12 inches long cable  
PE3C6319-100cm = 100 cm long cable

SMP Female to SMP Female Right Angle Cable Using PE-P086 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: [SMP Female to SMP Female Right Angle Cable Using PE-P086 Coax PE3C6319](#)

URL: <https://www.pasternack.com/smp-female-to-smp-female-cable-using-pe-p086-pe3c6319-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.

PE3C6319 CAD Drawing  
SMP Female to SMP Female Right Angle Cable Using PE-P086 Coax

