

SMP Female Right Angle to SMP Female Right Angle Cable Using PE-SR405FLJ Coax with 180 Deg. Clock

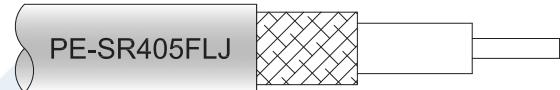


RF Cable Assemblies Technical Data Sheet

PE3W06519/SP

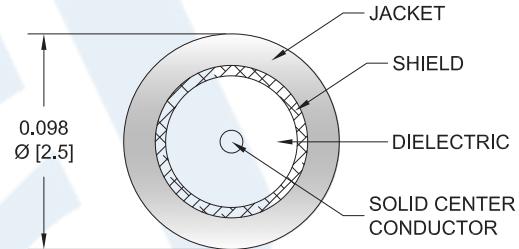
Configuration

- Connector 1: SMP Female Right Angle
- Connector 2: SMP Female Right Angle
- Cable Type: PE-SR405FLJ



Features

- Shielding Effectivity > 100 dB
- 69.5% Phase Velocity
- FEP Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W06519/SP SMP female right angle to SMP female right angle cable using PE-SR405FLJ coax is part of our full line of RF components available for same-day shipping. Pasternack's formable RF cable assemblies provide an alternative to costly pre-formed semi-rigid assemblies since they are hand formable. This Pasternack SMP to SMP cable assembly has a female to female gender configuration with 50 ohm formable PE-SR405FLJ coax. The right angle SMP interfaces on the PE-SR405FLJ 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 |
|-------------------------------|---------|---------------|---------|-----------------|
| Velocity of Propagation | | 69.5 | | % |
| RF Shielding | 100 | | | dB |
| Group Delay | | 1.43 [4.69] | | ns/ft [ns/m] |
| Capacitance | | 29 [95.14] | | pF/ft [pF/m] |
| DC Resistance Inner Conductor | | 65.7 [215.55] | | Ω/1000ft [Ω/Km] |
| DC Resistance Outer Conductor | | 10.2 [33.46] | | Ω/1000ft [Ω/Km] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMP Female Right Angle to SMP Female Right Angle Cable Using PE-SR405FLJ Coax with 180 Deg. Clock PE3W06519/SP](#)

**SMP Female Right Angle to SMP Female Right Angle
Cable Using PE-SR405FLJ Coax with 180 Deg. Clock**

RF Cable Assemblies Technical Data Sheet
PE3W06519/SP
Mechanical Specifications
Cable Assembly

| | |
|--------------------------------------|-------------------------------|
| Weight | 0.019 lbs [8.62 g] |
| Cable | |
| Cable Type | PE-SR405FLJ |
| Impedance | 50 Ohms |
| Inner Conductor Type | Solid |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Number of Shields | 1 |
| Outer Conductor Material and Plating | Tinned Copper Composite Braid |
| Jacket Material | FEP, Black |
| Jacket Diameter | 0.105 in [2.67 mm] |
| One Time Minimum Bend Radius | 0.5 in [12.7 mm] |
| Repeated Minimum Bend Radius | 0.787 in [19.99 mm] |

Connectors

| Description | Connector 1 | Connector 2 |
|-------------------------------|------------------------|------------------------|
| Type | SMP Female Right Angle | SMP Female Right Angle |
| Specification | DESC 94008 | DESC 94008 |
| 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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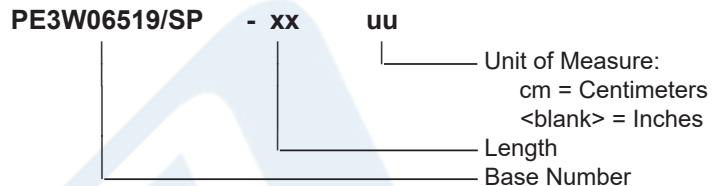


RF Cable Assemblies Technical Data Sheet

PE3W06519/SP

How to Order

Part Number Configuration:



Example: PE3W06519/SP-12 = 12 inches long cable
PE3W06519/SP-100cm = 100 cm long cable

SMP Female Right Angle to SMP Female Right Angle Cable Using PE-SR405FLJ Coax with 180 Deg. Clock 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.

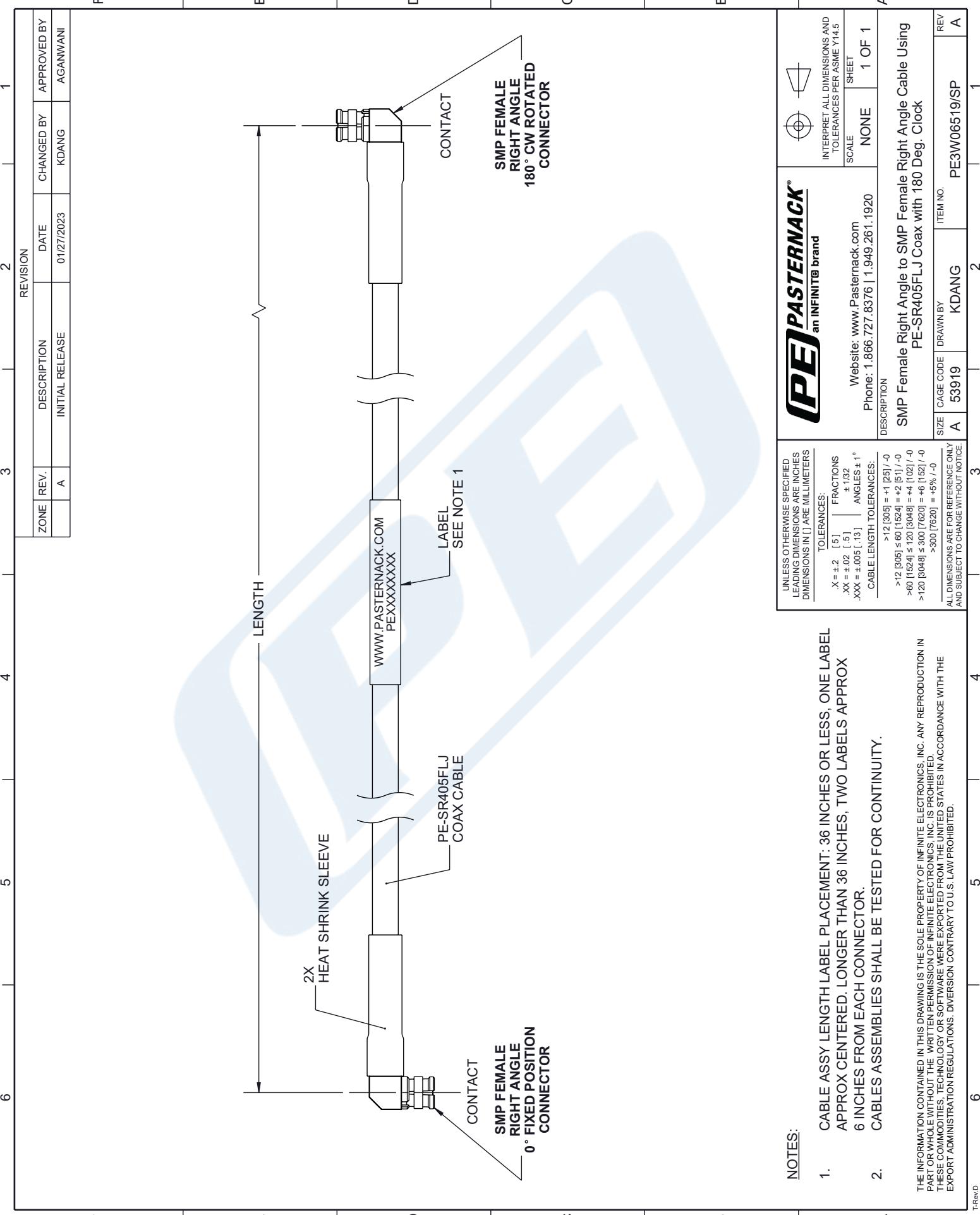
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URL: <https://www.pasternack.com/smp-female-right-angle-to-smp-female-cable-using-pe-sr405flj-with-180-deg.-clock-pe3w06519-sp-p.aspx>

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.

PE3W06519/SP CAD Drawing

SMP Female Right Angle to SMP Female Right Angle Cable
Using PE-SR405FLJ Coax with 180 Deg. Clock



| | |
|--|---|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS | |
| INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SCALE SHEET | |
| XX = ± 0.2 [.5] | FRACTIONS: XX = ± 0.05 [.13] |
| XXX = ± 0.005 [.013] | ± 1/32 ANGLES ± 1° CABLE LENGTH TOLERANCES: |
| >12 [305] = +1 [25] / -0 >12 [305] >80 [1524] = +2 [51] / -0 >60 [1524] ≤ 120 [3048] = +4 [102] / -0 >120 [3048] ≤ 300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0 | |
| ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. | |
| SIZE | CAGE CODE |
| A | 53919 |
| DRAWN BY | KDANG |
| ITEM NO. | PE3W06519/SP |
| REV | A |