

SMP Female to SMP Female Cable 12 Inch  
Length Using PE-SR405FL Coax



**RF Cable Assemblies Technical Data Sheet**

**PE36152-12**

**Configuration**

- Connector 1: SMP Female
- Connector 2: SMP Female
- Cable Type: PE-SR405FL

**Features**

- Max Frequency 18 GHz
- 69.5% Phase Velocity

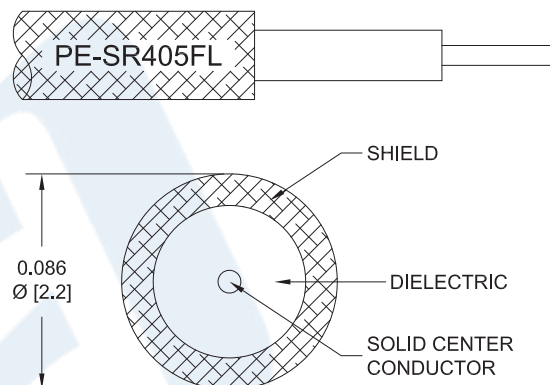
**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE36152-12 SMP female to SMP female 12 inch cable using PE-SR405FL 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-SR405FL coax. The PE36152-12 SMP female to SMP female cable assembly operates to 18 GHz.

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.



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 Cable 12 Inch Length Using PE-SR405FL Coax PE36152-12](#)



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**Electrical Specifications**

| Description             | Minimum | Typical    | Maximum | Units        |
|-------------------------|---------|------------|---------|--------------|
| Frequency Range         | DC      |            | 18      | GHz          |
| VSWR                    |         |            | 1.4:1   |              |
| Velocity of Propagation |         | 69.5       |         | %            |
| Capacitance             |         | 29 [95.14] |         | pF/ft [pF/m] |

**Specifications by Frequency**

| Description           | F1   | F2   | F3   | F4   | F5   | Units |
|-----------------------|------|------|------|------|------|-------|
| Frequency             | 1    | 2    | 4.5  | 9    | 18   | GHz   |
| Insertion Loss (Typ.) | 0.43 | 0.51 | 0.71 | 0.96 | 1.32 | dB    |

**Electrical Specification Notes:**

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss is estimated as 0.1 dB per connector.

**Mechanical Specifications**

**Cable Assembly**

|          |                    |
|----------|--------------------|
| Length*  | 12 in [304.8 mm]   |
| Diameter | 0.134 in [3.4 mm]  |
| Weight   | 0.016 lbs [7.26 g] |

**Cable**

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | PE-SR405FL                |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |
| Shield Layer 1                       | Tinned Copper Braid       |

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### Connectors

| Description                          | Connector 1            | Connector 2            |
|--------------------------------------|------------------------|------------------------|
| Type                                 | SMP Female             | SMP Female             |
| 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                      | Teflon                 | Teflon                 |
| Outer Conductor Material and Plating | Beryllium Copper       | Beryllium Copper       |
| 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:

- Values at 25°C, sea level.

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 Cable 12 Inch Length Using PE-SR405FL Coax PE36152-12](#)



## SMP Female to SMP Female Cable 12 Inch Length Using PE-SR405FL Coax

### RF Cable Assemblies Technical Data Sheet

**PE36152-12**

#### How to Order

Part Number Configuration:

**PE36152**

- **xx**

**uu**

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

Example: PE36152-12 = 12 inches long cable  
PE36152-100cm = 100 cm long cable

SMP Female to SMP Female Cable 12 Inch Length Using PE-SR405FL 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 Cable 12 Inch Length Using PE-SR405FL Coax PE36152-12](#)

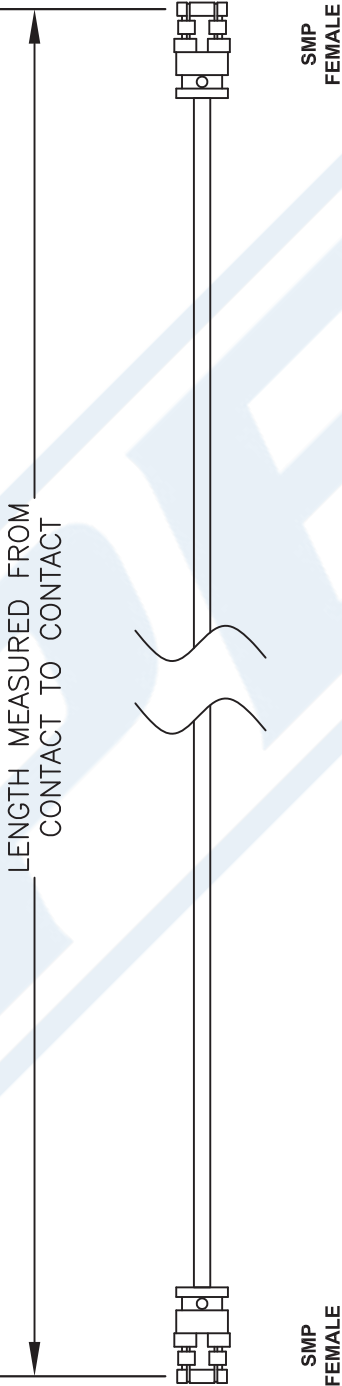
URL: <https://www.pasternack.com/smp-female-smp-female-pe-sr405fl-cable-assembly-pe36152-12-p.aspx>

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.

PE36152-12 CAD Drawing

SMP Female to SMP Female Cable 12 Inch Length Using PE-SR405FL Coax

| Standard Lengths |                         |
|------------------|-------------------------|
| -12              | 12"                     |
| -24              | 24"                     |
| -36              | 36"                     |
| -48              | 48"                     |
| -60              | 60"                     |
| -XXX             | Custom Length in Inches |



- NOTES:
- 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
  - 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
  - 3. DIMENSIONS ARE IN INCHES (mm).
  - 4. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

DWG TITLE  
**PE36152-XX**

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|        |                |                 |           |        |     |
|--------|----------------|-----------------|-----------|--------|-----|
| REV. A | FSCM NO. 53919 | CAD FILE 020808 | SCALE N/A | SIZE A | 127 |
|--------|----------------|-----------------|-----------|--------|-----|