



## SMP Female to SMP Female Cable 48 Inch Length Using PE-SR405FL Coax, RoHS

### RF Cable Assemblies Technical Data Sheet

PE36152LF-48

#### Configuration

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

#### Features

- Max Frequency 18 GHz
- 69.5% Phase Velocity

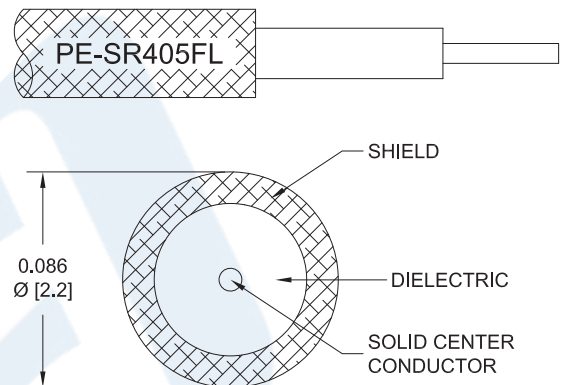
#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE36152LF-48 SMP female to SMP female 48 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 PE36152LF-48 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 48 Inch Length Using PE-SR405FL Coax, RoHS PE36152LF-48](#)



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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.)	1.1	1.42	2.23	3.24	4.69	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*	48 in [121.92 cm]
Diameter	0.134 in [3.4 mm]
Weight	0.057 lbs [25.85 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.

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## SMP Female to SMP Female Cable 48 Inch Length Using PE-SR405FL Coax, RoHS

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#### How to Order

Part Number Configuration:

PE36152LF - xx uu

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

Example: PE36152LF-12 = 12 inches long cable  
 PE36152LF-100cm = 100 cm long cable

SMP Female to SMP Female Cable 48 Inch Length Using PE-SR405FL Coax, RoHS 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 48 Inch Length Using PE-SR405FL Coax, RoHS PE36152LF-48](https://www.pasternack.com/smp-female-smp-female-pe-sr405fl-cable-assembly-pe36152lf-48-p.aspx)

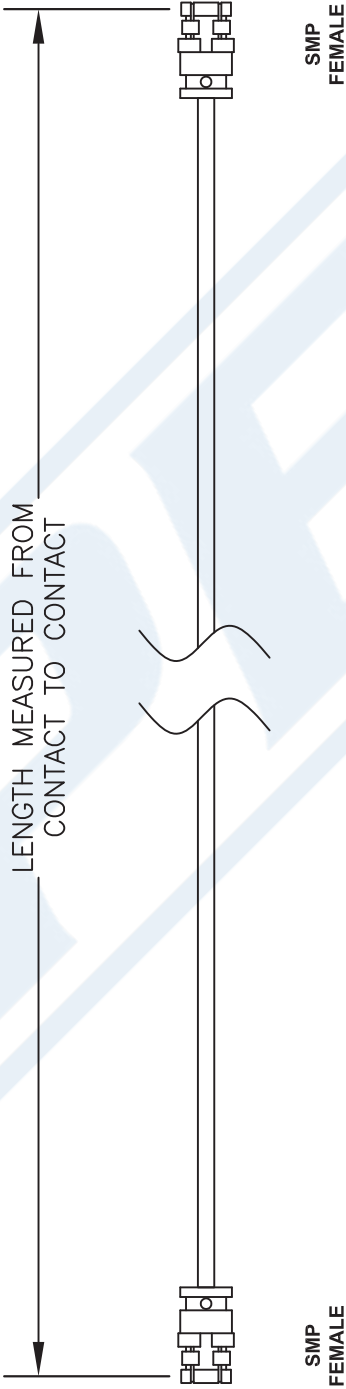
URL: <https://www.pasternack.com/smp-female-smp-female-pe-sr405fl-cable-assembly-pe36152lf-48-p.aspx>

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.

# PE36152LF-48 CAD Drawing

SMP Female to SMP Female Cable 48 Inch Length Using PE-SR405FL Coax, RoHS

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  
**PE36152LF-XX**

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