



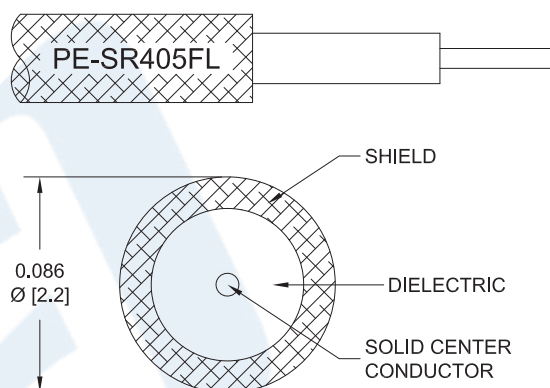
1.85mm Male to 1.85mm Male Cable 36 Inch Length Using PE-SR405FL Coax

RF Cable Assemblies Technical Data Sheet

PE36525-36

**Configuration**

- Connector 1: 1.85mm Male
- Connector 2: 1.85mm Male
- Cable Type: PE-SR405FL



**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		40	GHz
VSWR			1.5:1	
Return Loss			15.563	dB
Velocity of Propagation		69.5		%
Capacitance		29 [95.14]		pF/ft [pF/m]

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	2.5	5	20	30	40	GHz
Insertion Loss (Typ.)	1.24	1.847	3.8			dB

**Mechanical Specifications**

**Cable Assembly**

Length*	36 in [914.4 mm]
Diameter	0.312 in [7.92 mm]
Weight	0.057 lbs [25.85 g]

**Cable**

Cable Type	PE-SR405FL
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Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [1.85mm Male to 1.85mm Male Cable 36 Inch Length Using PE-SR405FL Coax PE36525-36](#)



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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

### Connectors

Description	Connector 1	Connector 2
Type	1.85mm Male	1.85mm Male
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Beryllium Copper, Gold	Beryllium Copper, Gold
Contact Plating Specification	MIL-G-45204, Type II, Class 1	MIL-G-45204, Type II, Class 1
Body Material and Plating	Stainless Steel, Gold	Stainless Steel, Gold
Body Plating Specification	MIL-G-45204, Type II, Class 1	MIL-G-45204, Type II, Class 1
Coupling Nut Material and Plating	Passivated Stainless Steel	Passivated Stainless Steel
Hex Size	5/16 in.	5/16 in.
Torque	8 in-lbs [0.9 Nm]	8 in-lbs [0.9 Nm]

#### Mechanical Specification Notes:

\*All cable assemblies have a length tolerance of 1.5% or  $\pm 3/8"$ , whichever is greater.

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

### Plotted and Other Data

#### Notes:

- Values at 25°C, sea level.

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RF Cable Assemblies Technical Data Sheet

PE36525-36

**How to Order**

Part Number Configuration:

**PE36525 - xx uu**

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

Example: PE36525-12 = 12 inches long cable  
PE36525-100cm = 100 cm long cable

1.85mm Male to 1.85mm Male Cable 36 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: [1.85mm Male to 1.85mm Male Cable 36 Inch Length Using PE-SR405FL Coax PE36525-36](https://www.pasternack.com/1.85mm-male-1.85mm-male-pe-sr405fl-cable-assembly-pe36525-36-p.aspx)

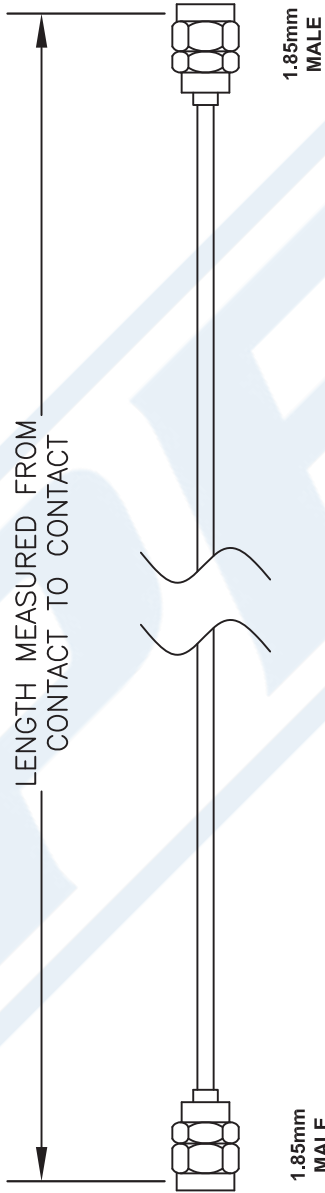
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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. 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.

# PE36525-36 CAD Drawing

1.85mm Male to 1.85mm Male Cable 36 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  
**PE36525-XX**

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REV. A	FSCM NO. 53919	CAD FILE 021208	SCALE N/A	SIZE A	127
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