



2.92mm Male to 2.92mm Male Cable 24 Inch  
Length Using PE-SR405FL Coax

RF Cable Assemblies Technical Data Sheet

PE3C1377-24

**Configuration**

- Connector 1: 2.92mm Male
- Connector 2: 2.92mm Male
- Cable Type: PE-SR405FL

**Features**

- Max Frequency 40 GHz
- 69.5% Phase Velocity

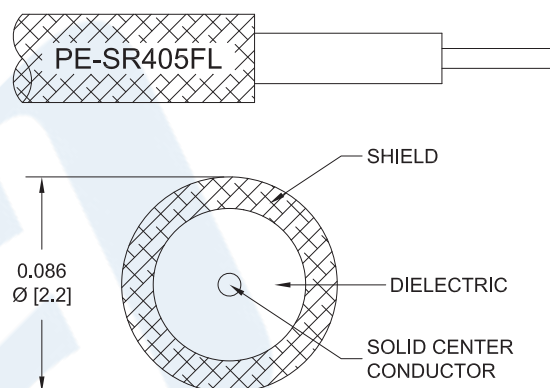
**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3C1377-24 2.92mm male to 2.92mm male 24 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 2.92mm to 2.92mm cable assembly has a male to male gender configuration with 50 ohm formable PE-SR405FL coax. The PE3C1377-24 2.92mm male to 2.92mm male cable assembly operates to 40 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: [2.92mm Male to 2.92mm Male Cable 24 Inch Length Using PE-SR405FL Coax PE3C1377-24](#)



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### Electrical Specifications

| Description             | Minimum | Typical    | Maximum | Units        |
|-------------------------|---------|------------|---------|--------------|
| Frequency Range         | DC      |            | 40      | GHz          |
| VSWR                    |         |            | 1.4:1   |              |
| 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             | 1    | 5   | 10   | 20   |    | GHz   |
| Insertion Loss (Typ.) | 0.65 | 1.3 | 1.88 | 2.88 |    | dB    |

### Mechanical Specifications

#### Cable Assembly

|          |                     |
|----------|---------------------|
| Length*  | 24 in [609.6 mm]    |
| Diameter | 0.312 in [7.92 mm]  |
| Weight   | 0.051 lbs [23.13 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       |
| Outer Conductor Diameter             | 0.086 in [2.18 mm]        |

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### Connectors

| Description                        | Connector 1                | Connector 2                |
|------------------------------------|----------------------------|----------------------------|
| Type                               | 2.92mm Male                | 2.92mm Male                |
| Impedance                          | 50 Ohms                    | 50 Ohms                    |
| Contact Material and Plating       | Beryllium Copper, Gold     | Beryllium Copper           |
| Contact Plating Specification      | 50μ in. minimum            | 50μ in. minimum            |
| Dielectric Type                    | Ultem 1000                 | Ultem 1000                 |
| Body Material and Plating          | Passivated Stainless Steel | Passivated Stainless Steel |
| Body Plating Specification         | SAE-AMS-2700               | SAE-AMS-2700               |
| Coupling Nut Material and Plating  | Passivated Stainless Steel | Passivated Stainless Steel |
| Coupling Nut Plating Specification | SAE-AMS-2700               | SAE-AMS-2700               |
| Hex Size                           | 5/16 Inch                  | 5/16 Inch                  |

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

### Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.92mm Male to 2.92mm Male Cable 24 Inch Length Using PE-SR405FL Coax PE3C1377-24](#)



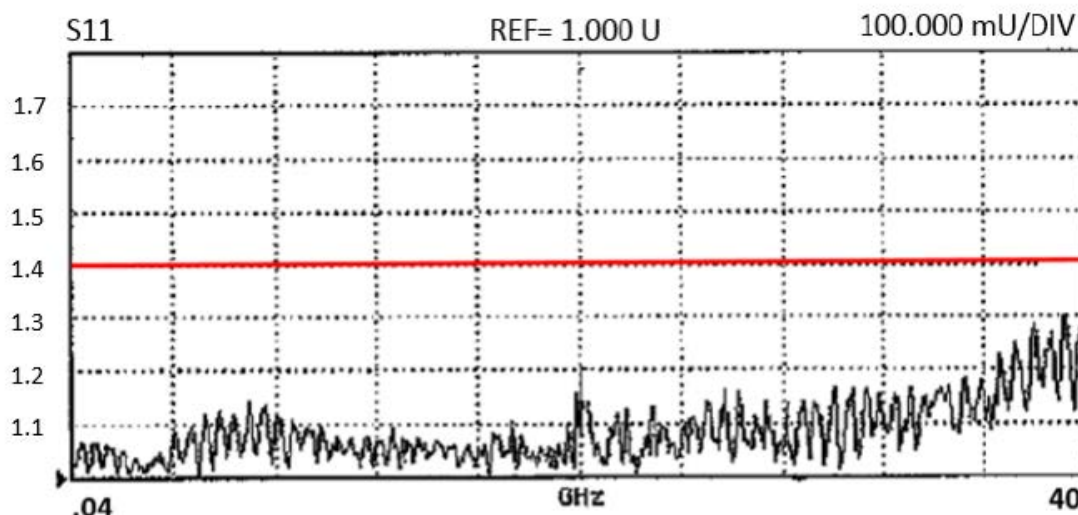
2.92mm Male to 2.92mm Male Cable 24 Inch  
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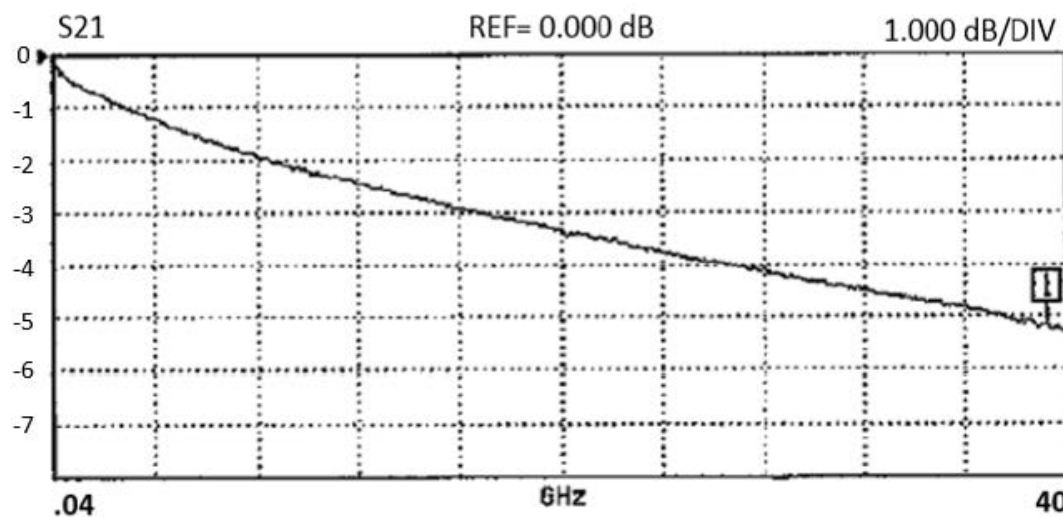
PE3C1377-24

### Typical Performance Data

#### PE3C1377-36 VSWR



#### PE3C1377-36 Insertion Loss (dB)



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## 2.92mm Male to 2.92mm Male Cable 24 Inch Length Using PE-SR405FL Coax

### RF Cable Assemblies Technical Data Sheet

PE3C1377-24

#### How to Order

Part Number Configuration:

**PE3C1377**

- **xx**

**uu**

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

Example: PE3C1377-12 = 12 inches long cable  
PE3C1377-100cm = 100 cm long cable

2.92mm Male to 2.92mm Male Cable 24 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: [2.92mm Male to 2.92mm Male Cable 24 Inch Length Using PE-SR405FL Coax PE3C1377-24](https://www.pasternack.com/2.92mm-male-2.92mm-male-pe-sr405fl-cable-assembly-pe3c1377-24-p.aspx)

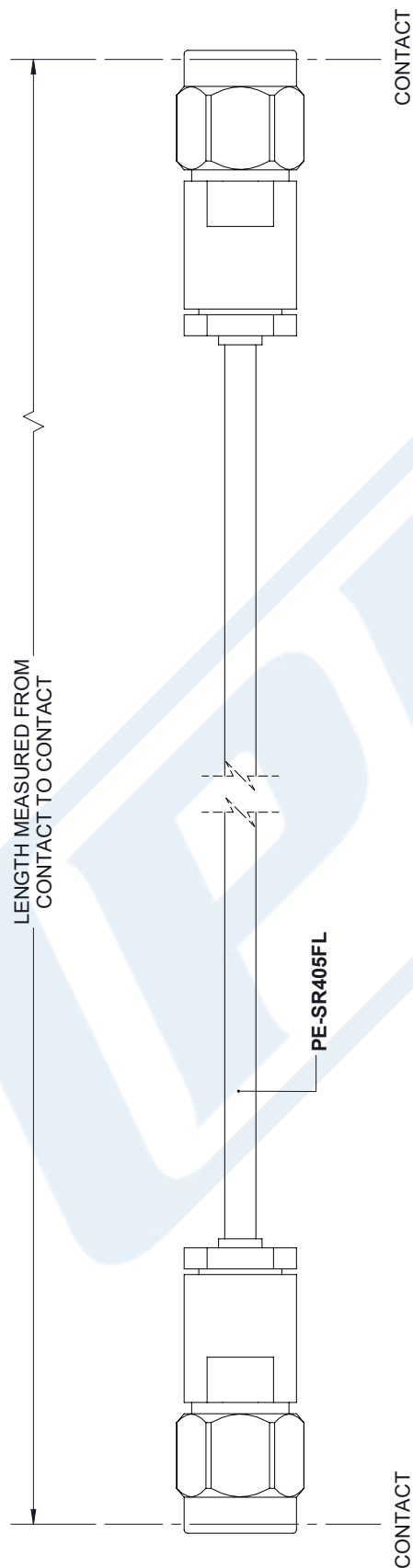
URL: <https://www.pasternack.com/2.92mm-male-2.92mm-male-pe-sr405fl-cable-assembly-pe3c1377-24-p.aspx>

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.

# PE3C1377-24 CAD Drawing

2.92mm Male to 2.92mm Male Cable 24 Inch Length Using PE-SR405FL Coax

| REVISIONS |              |           |          |
|-----------|--------------|-----------|----------|
| REV.      | DESCRIPTION  | DATE      | APPROVED |
| A         | PCR PE3C1377 | 3/16/2021 | S.ELLIS  |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |                                                                                                                                                                                                                                                                 |                   |           |        |             |         |        |      |               |         |                              |  |                                      |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-----------|--------|-------------|---------|--------|------|---------------|---------|------------------------------|--|--------------------------------------|--|
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| <p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <table border="0"> <tr> <td>.X = ± .2</td><td>[ .08 ]</td><td>FRACTIONS</td><td>± 1/32</td></tr> <tr> <td>.XX = ± .02</td><td>[ .51 ]</td><td>ANGLES</td><td>± 1°</td></tr> <tr> <td>.XXX = ± .005</td><td>[ .13 ]</td><td>CABLE LENGTH (L) TOLERANCES:</td><td></td></tr> </table> <p>L ≤ 12 [305] = +1 [25] / -0<br/>12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0<br/>60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0<br/>120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0<br/>300 [7620] &lt; L = +5% L / -0</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> |                 | .X = ± .2                                                                                                                                                                                                                                                       | [ .08 ]           | FRACTIONS | ± 1/32 | .XX = ± .02 | [ .51 ] | ANGLES | ± 1° | .XXX = ± .005 | [ .13 ] | CABLE LENGTH (L) TOLERANCES: |  | <p>SHEET 1 OF 1</p> <p>SCALE N/A</p> |  |
| .X = ± .2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | [ .08 ]         | FRACTIONS                                                                                                                                                                                                                                                       | ± 1/32            |           |        |             |         |        |      |               |         |                              |  |                                      |  |
| .XX = ± .02                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | [ .51 ]         | ANGLES                                                                                                                                                                                                                                                          | ± 1°              |           |        |             |         |        |      |               |         |                              |  |                                      |  |
| .XXX = ± .005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | [ .13 ]         | CABLE LENGTH (L) TOLERANCES:                                                                                                                                                                                                                                    |                   |           |        |             |         |        |      |               |         |                              |  |                                      |  |
| SIZE A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CAGE CODE 53919 | DRAWN BY K.DANG                                                                                                                                                                                                                                                 | ITEM NO. PE3C1377 |           |        |             |         |        |      |               |         |                              |  |                                      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |                                                                                                                                                                                                                                                                 | REV A             |           |        |             |         |        |      |               |         |                              |  |                                      |  |

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