



2.92mm Male to 2.92mm Male Cable Using PE-SR405FL Coax, LF Solder, RoHS

RF Cable Assemblies Technical Data Sheet

PE3C1377LF

Configuration

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

Features

- Max Frequency 40 GHz
- 69.5% Phase Velocity

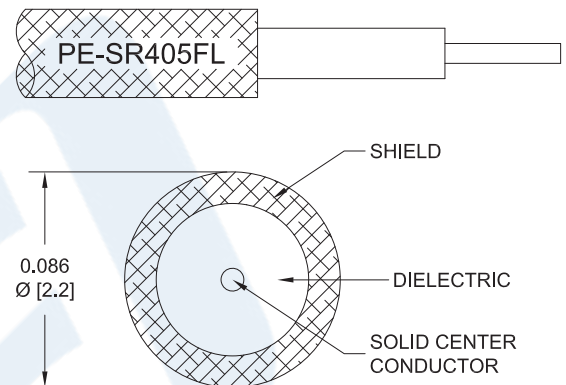
Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C1377LF 2.92mm male to 2.92mm male 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 PE3C1377LF 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 Using PE-SR405FL Coax, LF Solder, RoHS PE3C1377LF](#)



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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.) | 0.225 | 0.549 | 0.84 | 1.34 | | dB/ft |
| | 0.74 | 1.8 | 2.76 | 4.4 | | dB/m |

Mechanical Specifications

Cable Assembly

| | |
|----------|---------------------|
| Diameter | 0.312 in [7.92 mm] |
| Weight | 0.038 lbs [17.24 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:

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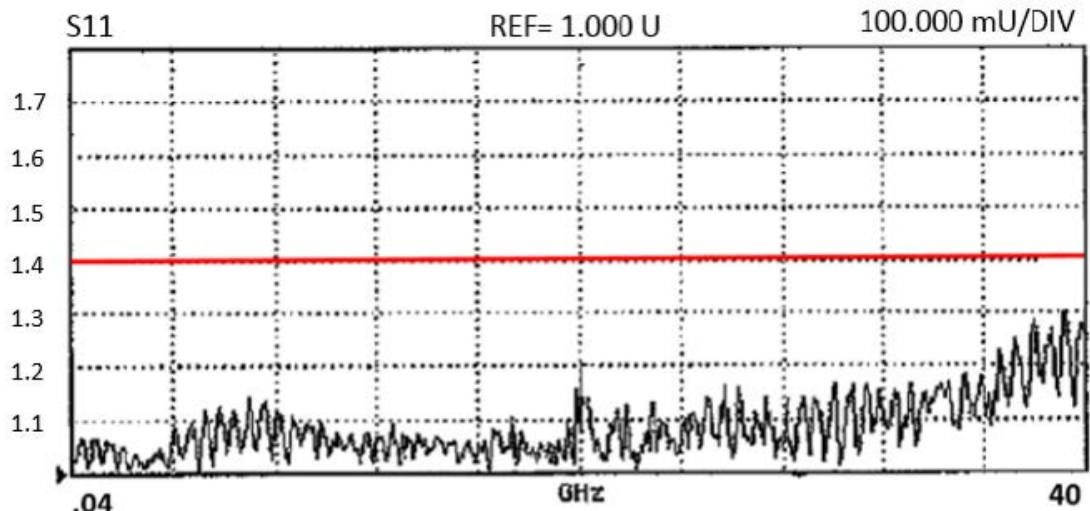
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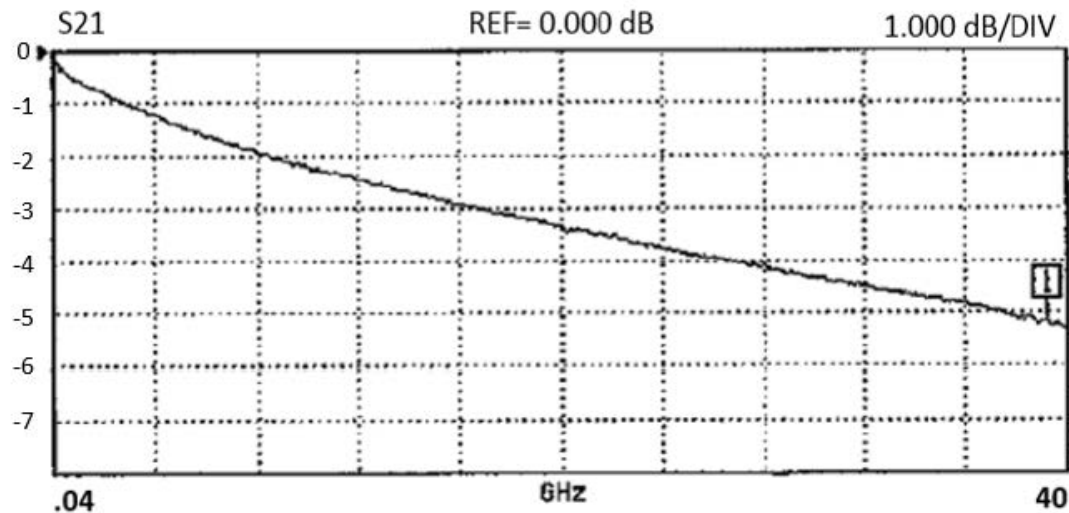
PE3C1377LF

Typical Performance Data

PE3C1377-36 VSWR



PE3C1377-36 Insertion Loss (dB)



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How to Order

Part Number Configuration:

PE3C1377LF - xx uu

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

Example: PE3C1377LF-12 = 12 inches long cable
PE3C1377LF-100cm = 100 cm long cable

2.92mm Male to 2.92mm Male Cable Using PE-SR405FL Coax, LF Solder, 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: [2.92mm Male to 2.92mm Male Cable Using PE-SR405FL Coax, LF Solder, RoHS PE3C1377LF](#)

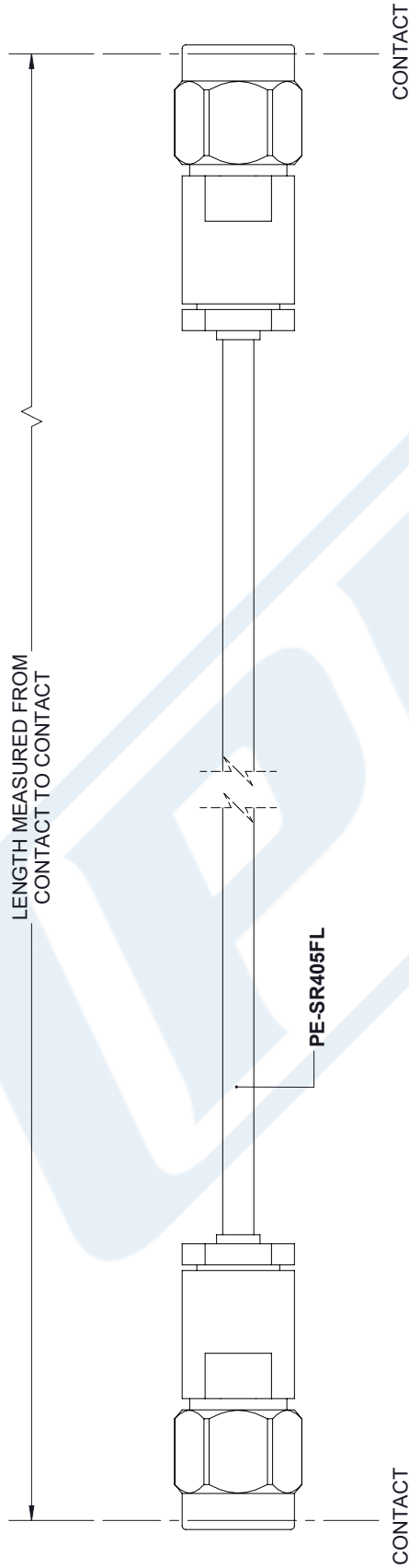
URL: <https://www.pasternack.com/2.92mm-male-2.92mm-male-pe-sr405fl-cable-assembly-pe3c1377lf-p.aspx>

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.

PE3C1377LF CAD Drawing

2.92mm Male to 2.92mm Male Cable Using PE-SR405FL Coax, LF Solder, RoHS

| REVISIONS | | |
|-----------|----------------|-----------|
| REV. | DESCRIPTION | DATE |
| A | PCR PE3C1377LF | 3/16/2021 |
| | | APPROVED |
| | | S. ELLIS |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|-----------------|-----------|--|------------|-------|--|--------|--------------|-------|-------------|--|--------|-------|----------------|-------------------|--------|----------------|---------------------|--------|-----------------|----------------------|--------|-----------------|--------------------|--|----------------|---|
| <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>[5.08]</td> <td>FRACTIONS</td> <td></td> </tr> <tr> <td>.XX = ±.02</td> <td>[.51]</td> <td></td> <td>± 1/32</td> </tr> <tr> <td>.XXX = ±.005</td> <td>[.13]</td> <td>ANGLES ± 1°</td> <td></td> </tr> </table> <p>CABLE LENGTH (L) TOLERANCES:</p> <table border="0"> <tr> <td>L ≤ 12</td> <td>[305]</td> <td>= +1 [25] / -0</td> </tr> <tr> <td>12 [305] < L ≤ 60</td> <td>[1524]</td> <td>= +2 [51] / -0</td> </tr> <tr> <td>60 [1524] < L ≤ 120</td> <td>[3048]</td> <td>= +4 [102] / -0</td> </tr> <tr> <td>120 [3048] < L ≤ 300</td> <td>[7620]</td> <td>= +6 [152] / -0</td> </tr> <tr> <td>300 [7620] < L ≤ ∞</td> <td></td> <td>= +5% / L / -0</td> </tr> </table> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p> | .X = ±.2 | [5.08] | FRACTIONS | | .XX = ±.02 | [.51] | | ± 1/32 | .XXX = ±.005 | [.13] | ANGLES ± 1° | | L ≤ 12 | [305] | = +1 [25] / -0 | 12 [305] < L ≤ 60 | [1524] | = +2 [51] / -0 | 60 [1524] < L ≤ 120 | [3048] | = +4 [102] / -0 | 120 [3048] < L ≤ 300 | [7620] | = +6 [152] / -0 | 300 [7620] < L ≤ ∞ | | = +5% / L / -0 | <p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p> |
| | .X = ±.2 | [5.08] | FRACTIONS | | | | | | | | | | | | | | | | | | | | | | | | | |
| .XX = ±.02 | [.51] | | ± 1/32 | | | | | | | | | | | | | | | | | | | | | | | | | |
| .XXX = ±.005 | [.13] | ANGLES ± 1° | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L ≤ 12 | [305] | = +1 [25] / -0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 300 [7620] < L ≤ ∞ | | = +5% / L / -0 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>PE PASTERNAK an INFINITO brand</p> <p>Pasternack Enterprises, Inc. P. O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasternack.com E-mail: sales@pasternack.com</p> | <p>ITEM NO. PE3C1377LF</p> <p>REV. A</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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