

2.92mm Male to 2.92mm Female Bulkhead  
Cable Using PE-SR405FL Coax



**RF Cable Assemblies Technical Data Sheet**

**PE3C2898**

**Configuration**

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

**Features**

- Max Frequency 20 GHz
- 69.5% Phase Velocity

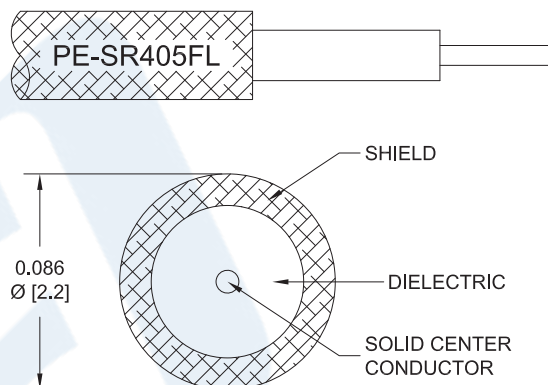
**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3C2898 2.92mm male to 2.92mm female bulkhead 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 female gender configuration with 50 ohm formable PE-SR405FL coax. The PE3C2898 2.92mm male to 2.92mm female cable assembly operates to 20 GHz. Our RF cable assembly with 2.92mm bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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 Female Bulkhead Cable Using PE-SR405FL Coax PE3C2898](#)



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### Electrical Specifications

| Description             | Minimum | Typical    | Maximum | Units        |
|-------------------------|---------|------------|---------|--------------|
| Frequency Range         | DC      |            | 20      | 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  |

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per Connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.027 lbs [12.25 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 Female Bulkhead     |
| Impedance                            | 50 Ohms                    | 50 Ohms                    |
| Contact Material and Plating         | Beryllium Copper, Gold     | Beryllium Copper, Gold     |
| Contact Plating Specification        | ASTM-B-488                 | ASTM-B-488                 |
| Outer Conductor Material and Plating |                            | Passivated Stainless Steel |
| Body Material and Plating            | Passivated Stainless Steel | Passivated Stainless Steel |
| Body Plating Specification           |                            | ASTM A 967-99              |
| Coupling Nut Material and Plating    | Passivated Stainless Steel |                            |
| Hex Size                             | 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 Female Bulkhead Cable Using PE-SR405FL Coax PE3C2898](#)



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**RF Cable Assemblies Technical Data Sheet**

**PE3C2898**

**How to Order**

Part Number Configuration:

**PE3C2898**

- **xx**

**uu**

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

Example: PE3C2898-12 = 12 inches long cable  
PE3C2898-100cm = 100 cm long cable

2.92mm Male to 2.92mm Female Bulkhead Cable 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 Female Bulkhead Cable Using PE-SR405FL Coax PE3C2898](https://www.pasternack.com/2.92mm-male-2.92mm-female-pe-sr405fl-cable-assembly-pe3c2898-p.aspx)

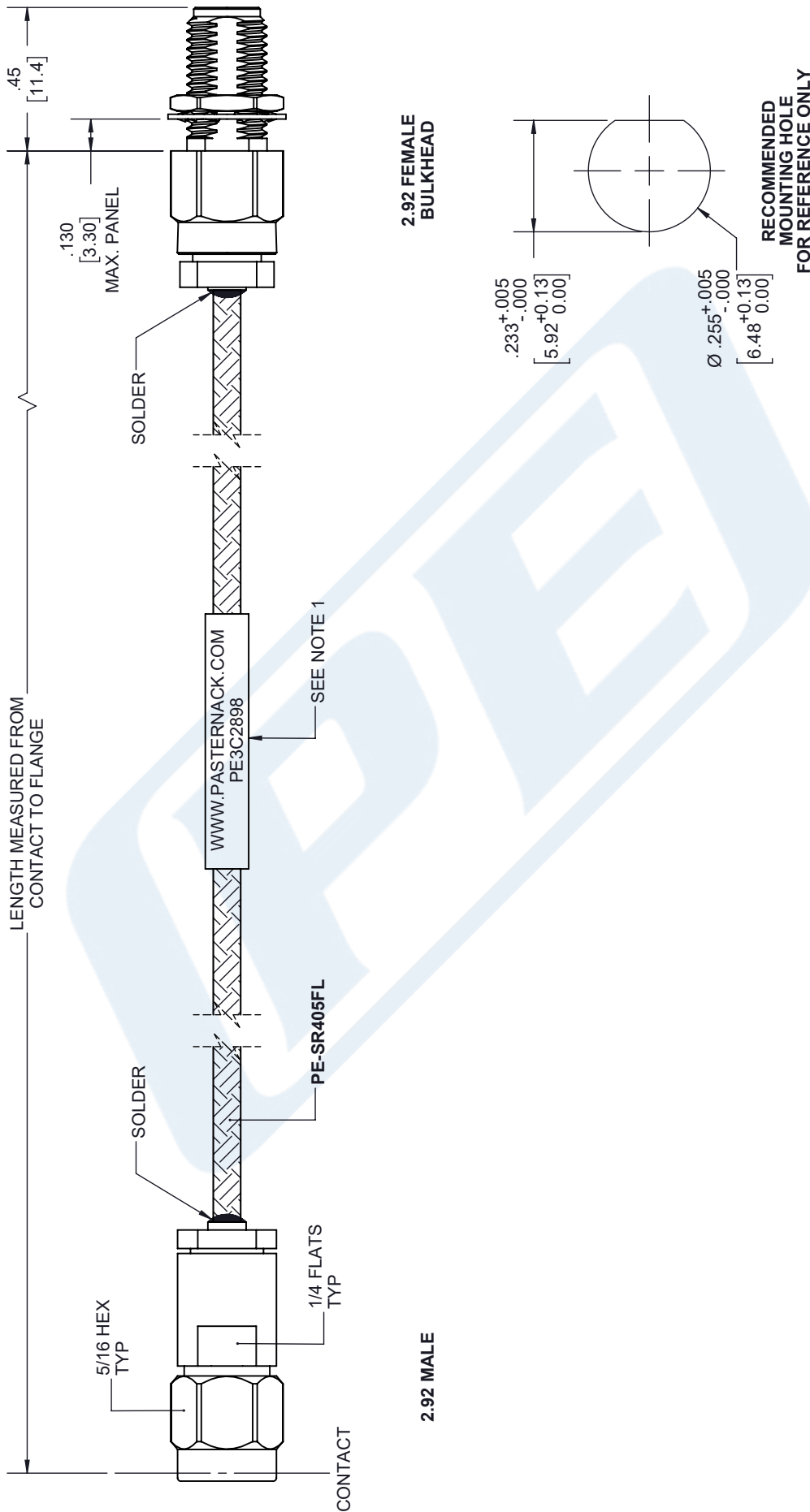
URL: <https://www.pasternack.com/2.92mm-male-2.92mm-female-pe-sr405fl-cable-assembly-pe3c2898-p.aspx>

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.

# PE3C2898 CAD Drawing

2.92mm Male to 2.92mm Female Bulkhead Cable Using PE-SR405FL Coax

| REVISIONS |                 |            |            |
|-----------|-----------------|------------|------------|
| REV.      | DESCRIPTION     | DATE       | APPROVED   |
| A         | INITIAL RELEASE | 10/17/2022 | A. GANWANI |



|                                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------|--|
| UNLESS OTHERWISE SPECIFIED<br>LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS                                                                                                                                                                                                                                                    |  | THIRD-ANGLE PROJECTION                                                                                                |  |
| TOLERANCES:<br><br>X = ± .2 [ .008]<br>.XX = ± .02 [ .51]<br>XXX = ± .005 [ .13]<br>ANGLES ± 1°<br><br>CABLE LENGTH (L) TOLERANCES:<br><br>L ≤ 12 [305] = ± .1 [25] / -0<br>12 [305] < L ≤ 60 [1524] = ± .2 [51] / -0<br>60 [1524] < L ≤ 120 [3048] = ± .4 [102] / -0<br>120 [3048] < L ≤ 300 [7620] = ± .6 [152] / -0<br>300 [7620] < L = +5% / -0 |  | THE INFORMATION AND<br>DESIGN IN THIS DOCUMENT<br>IS THE PROPERTY OF<br>PASTERNAK CORPORATION<br>ALL RIGHTS RESERVED. |  |
| PE PASTERNAK®<br>an INFINITE brand                                                                                                                                                                                                                                                                                                                  |  | SHEET 1 OF 1                                                                                                          |  |
| Pasternack Enterprises, Inc.<br>P.O. Box 16759, Irvine, CA 92623.<br>Phone: 1.949.261.1920   1.866.727.8376<br>Fax: 1.949.261.7451<br>Website: www.pasternack.com<br>E-mail: sales@pasternack.com                                                                                                                                                   |  | SCALE N/A                                                                                                             |  |
| SIZE A                                                                                                                                                                                                                                                                                                                                              |  | REV A                                                                                                                 |  |
| CAGE CODE 53919                                                                                                                                                                                                                                                                                                                                     |  | ITEM NO. PE3C2898                                                                                                     |  |
| DRAWN BY K.DANG                                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                       |  |
| ALL DIMENSIONS SHOWN<br>ARE FOR REFERENCE ONLY.                                                                                                                                                                                                                                                                                                     |  |                                                                                                                       |  |

## NOTES:

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED. CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END 6.0" FROM THE END OF THE CONNECTOR.

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