

## N Female Bulkhead Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402, .640 inch DD Hole



### RF Connectors Technical Data Sheet

**PE4113**

#### Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: PE-SR402AL, PE-SR-402FL, RG402
- Bulkhead

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

#### Description

Pasternack's PE4113 type N female bulkhead connector with clamp/solder attachment for PE-SR402AL, PE-SR402FL and RG402 (.640 inch DD hole) is part of our full line of RF components available for same-day shipping. This type N bulkhead connector 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.

Our type N female bulkhead connector PE4113 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

#### Mechanical Specifications

|        |                     |
|--------|---------------------|
| Weight | 0.096 lbs [43.54 g] |
|--------|---------------------|

#### Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Body        | Brass    | Nickel  |

#### Environmental Specifications

**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: [N Female Bulkhead Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402, .640 inch DD Hole PE4113](#)

## N Female Bulkhead Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402, .640 inch DD Hole



### RF Connectors Technical Data Sheet

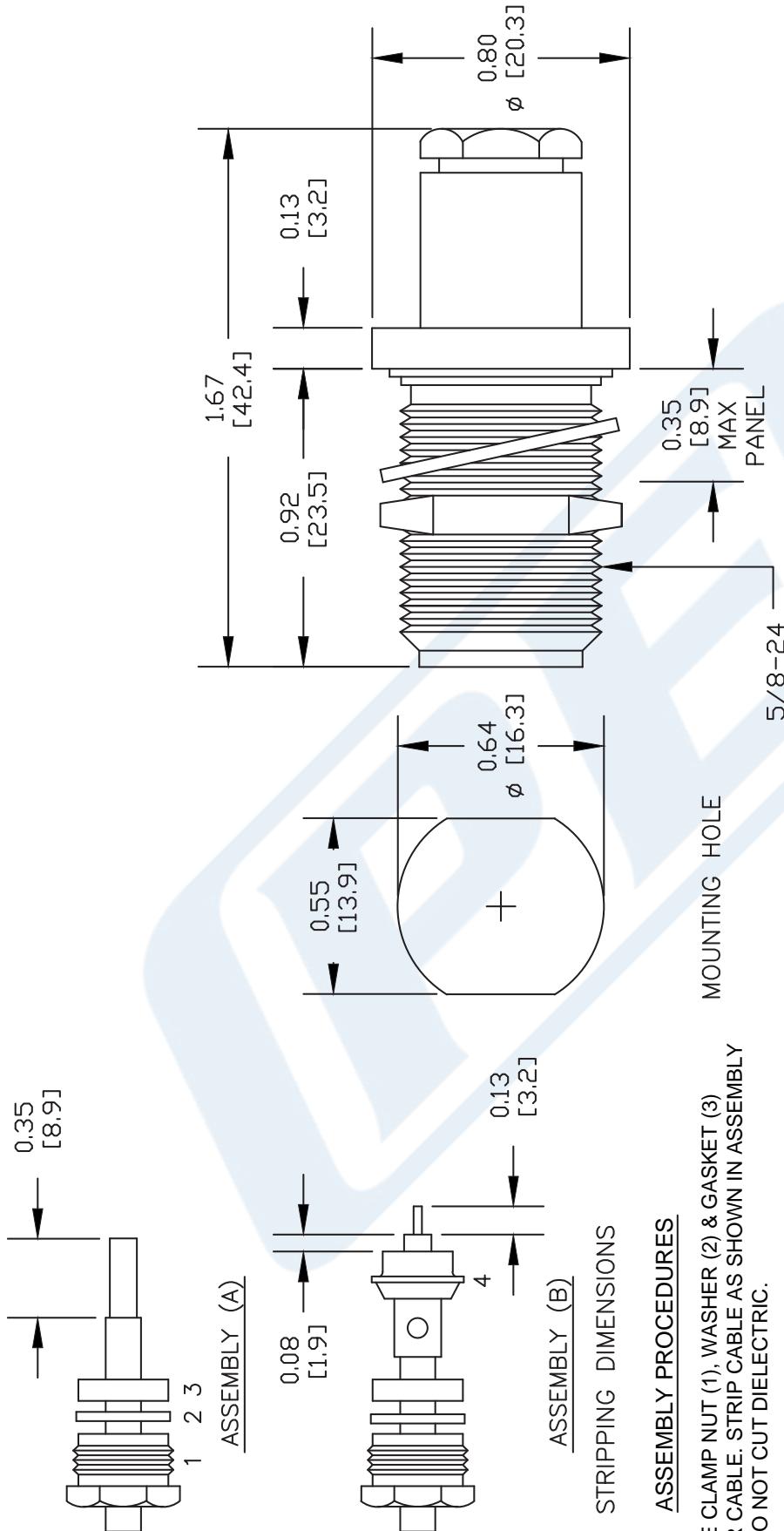
PE4113

N Female Bulkhead Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402, .640 inch DD Hole 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: [N Female Bulkhead Connector Clamp/Solder Attachment For PE-SR402AL, PE-SR402FL, RG402, .640 inch DD Hole PE4113](#)

URL: <https://www.pasternack.com/n-female-standard-pe-sr402al-pe-sr402fl-rg402-connector-pe4113-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.



#### ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN IN ASSEMBLY (A). DO NOT CUT DIELECTRIC.
2. SLIDE ADAPTER (4) OVER CABLE UNTIL ADAPTER (4) BOTTOMS ON OUTER CONDUCTOR. SOLDER ADAPTER (4) TO OUTER CONDUCTOR USING MINIMUM HEAT.
3. STRIP CABLE AS SHOWN IN ASSEMBLY (B). SOLDER CONTACT TO CENTER CONDUCTOR. SLIDE ASSEMBLY FORWARD & TIGHTEN TO BODY.

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**PE4113**

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. FITS MIL-C-17 AND EQUIVALENT CABLES.

| REV. - | FSCM NO. | 53919 | CAD FILE | 042309 | SCALE N/A | SIZE A | 147 |
|--------|----------|-------|----------|--------|-----------|--------|-----|
|--------|----------|-------|----------|--------|-----------|--------|-----|

N Male Connector Solder Attachment for PE-SR402AL,  
 PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



## RF Connectors Technical Data Sheet

PE44701

### Configuration

- N Male Connector
- 50 Ohms
- Straight Body Geometry
- PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 Interface Type
- Solder/Solder Attachment

### Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.35:1
- Gold over Nickel Plated Brass Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44701 type N male connector with solder/solder attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN and RG402 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz and offers good VSWR of 1.35:1.

Our type N male connector PE44701 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

### Electrical Specifications

| Description     | Minimum | Typical | Maximum | Units |
|-----------------|---------|---------|---------|-------|
| Frequency Range | DC      |         | 11      | GHz   |
| VSWR            |         |         | 1.35:1  |       |

### Mechanical Specifications

#### Size

Length  
 Width/Dia.  
 Weight

1 in [25.4 mm]  
 0.79 in [20.07 mm]  
 0.058 lbs [26.31 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44701](#)

N Male Connector Solder Attachment for PE-SR402AL,  
 PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



## RF Connectors Technical Data Sheet

PE44701

### Material Specifications

| Description  | Material | Plating          |
|--------------|----------|------------------|
| Contact      | Brass    | Gold over Nickel |
| Insulation   | PTFE     |                  |
| Body         | Brass    | Nickel           |
| Coupling Nut | Brass    | Nickel           |

### Environmental Specifications

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

### Plotted and Other Data

Notes:

### Assembly Instruction

N Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 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.

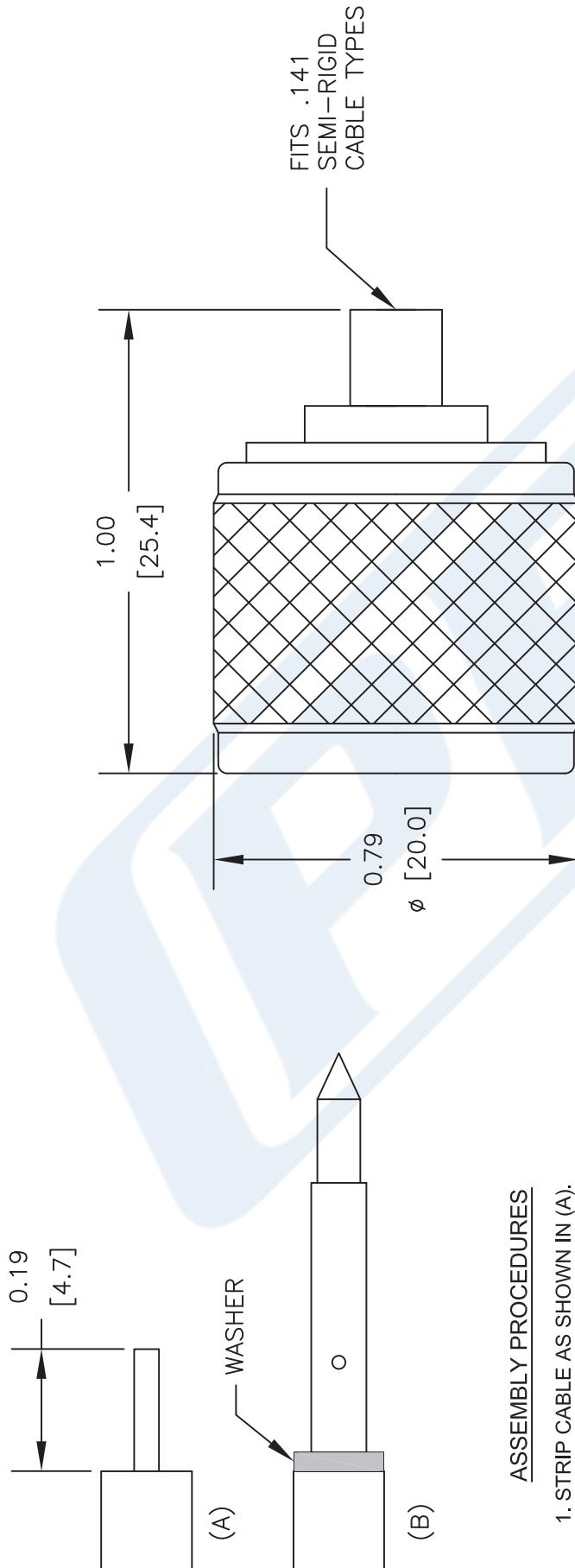
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402 PE44701](#)

URL: <https://www.pasternack.com/n-male-standard-pe-sr402al-pe-sr402fl-pe-sr402flj-connector-pe44701-p.aspx>

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# PE44701 CAD Drawing

N Male Connector Solder Attachment for PE-SR402AL, PE-SR402FL, PE-SR402FLJ, PE-SR402TN, RG402



## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER CONDUCTOR.
2. PLACE WASHER OVER CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR AS SHOWN IN (B).
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR BOTTOMS OUT. SOLDER OUTER CONDUCTOR TO BODY.

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**PE44701**

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3. DIMENSIONS ARE IN INCHES [mm].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

| REV. - | FSCM NO. | 53919 | CAD FILE | 062211 | SCALE | N/A | SIZE A | 2231 |
|--------|----------|-------|----------|--------|-------|-----|--------|------|
|--------|----------|-------|----------|--------|-------|-----|--------|------|

## Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### RF Cables Technical Data Sheet

PE-SR402FL

#### Configuration

- Formable Cable

#### Features

- Dimensionally the same as standard solid outer conductor semi-rigid coax
- Standard semi-rigid connectors can be used
- Cable is hand formable and does not require special tools to bend
- Connectors are easily soldered to Tin soaked outer conductor
- Cable can be formed more than once without damage to outer conductor
- High RF Shielding >100 dB

#### Description

Formable semi-rigid coax is a hand formable version of standard semi-rigid that does not require complicated and costly pre-formed cable assemblies. Because the dimensions and electrical characteristics are so closely matched to semi-rigid coax, standard semi-rigid connectors can be used. The tin soaked copper braid outer shield provides excellent RF shielding.

#### Electrical Specifications

| Description                   | Minimum    | Typical | Maximum | Units        |
|-------------------------------|------------|---------|---------|--------------|
| Frequency Range               | DC         |         | 20      | GHz          |
| Impedance                     |            | 50      |         | Ohms         |
| Velocity of Propagation       |            | 69.5    |         | %            |
| Shielding Effectiveness       | 110        |         |         | dB           |
| Inner Conductor DC Resistance |            |         | 7.8     | Ohms/1000ft  |
| Outer Conductor DC Resistance |            |         | 5.5     | Ohms/1000ft  |
| Nominal Capacitance           | 29 [95.14] |         |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description      | F1         | F2          | F3          | F4           | F5           | Units               |
|------------------|------------|-------------|-------------|--------------|--------------|---------------------|
| Frequency        | 0.5        | 1           | 5           | 10           | 20           | GHz                 |
| Attenuation, Typ | 8<br>26.25 | 12<br>39.37 | 29<br>95.14 | 45<br>147.64 | 70<br>229.66 | dB/100ft<br>dB/100m |

#### Mechanical Specifications

Min. Bend Radius (Repeated) 0.625 in [15.88 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](#)

## Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### RF Cables Technical Data Sheet

PE-SR402FL

#### Construction Specifications

| Description     | Material and Plating                 | Diameter         |
|-----------------|--------------------------------------|------------------|
| Inner Conductor | Copper, Silver1                      | 0.037 in 0.94 mm |
| Conductor Type  | Solid                                |                  |
| Dielectric      | PTFE                                 | 0.119 in 3.02 mm |
| Outer Conductor | Tinned Copper Braid<br>100% coverage | 0.141 in 3.58 mm |

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +125 deg C

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

#### Plotted and Other Data

Notes:

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor 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.

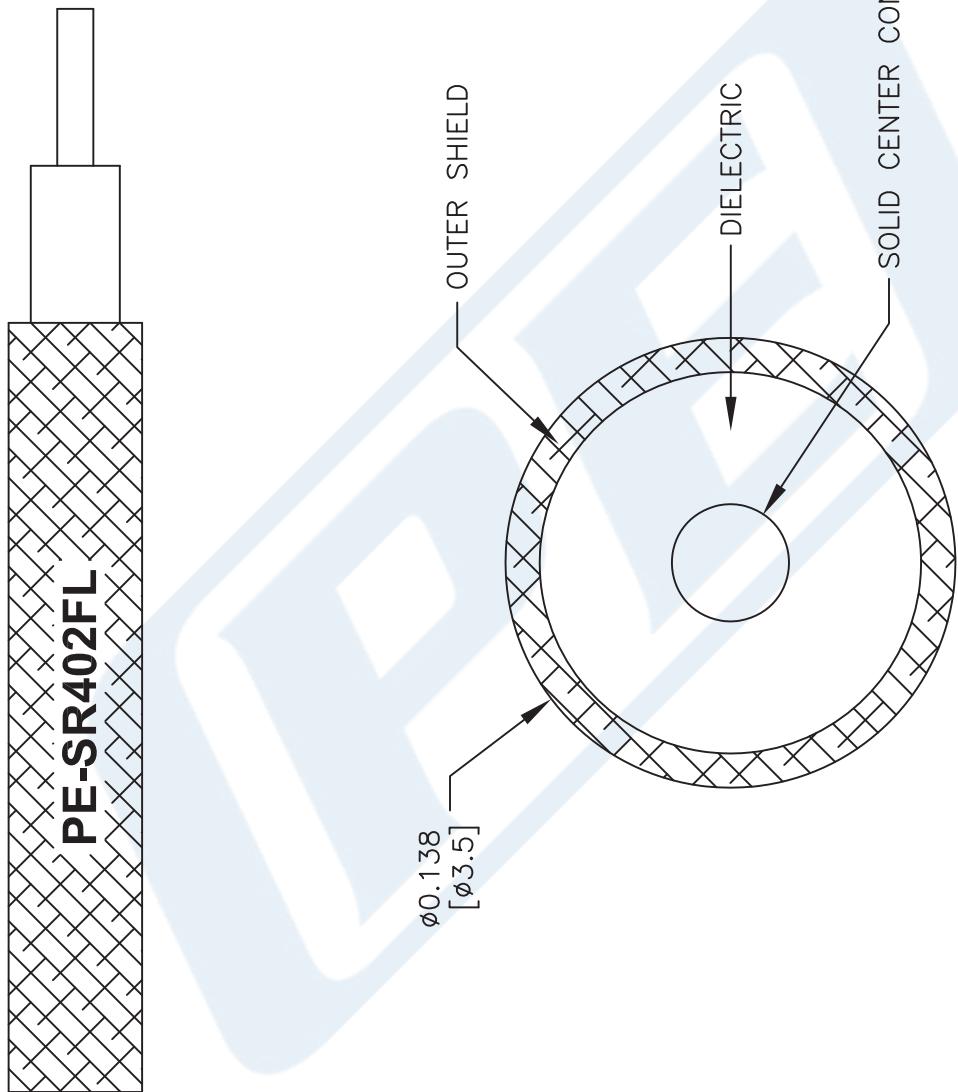
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR402FL](#)

URL: <https://www.pasternack.com/formable-0.141-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr402fl-p.aspx>

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# PE-SR402FL CAD Drawing

Formable 141 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



NOTES:  
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3. DIMENSIONS ARE IN INCHES [mm].

| PASTERNAK <sup>®</sup><br>THE ENGINEER'S RF SOURCE  | DWG TITLE<br><b>PESR402FL</b> | FSCM NO. 53919 | CAD FILE | SCALE N/A | SIZE A | 41742 |
|---|-------------------------------|----------------|----------|-----------|--------|-------|
| <b>PE</b><br>Pasterнак Enterprises, Inc.<br>P.O. Box 16759   Irvine   CA   92623<br>Phone: (949) 261-1920   Fax: (949) 261-7451<br>Website: <a href="http://www.pasterнак.com">www.pasterнак.com</a>   E-Mail: <a href="mailto:sales@pasterнак.com">sales@pasterнак.com</a> |                               |                |          |           |        |       |