



## BNC Male Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405

### RF Connectors Technical Data Sheet

**PE45239**

#### Configuration

- BNC Male Connector
- MIL-C-39012
- 50 Ohms

- Right Angle Body Geometry
- PE-SR405AL, PE-SR405FL, RG405 Interface Type
- Solder/Solder Attachment

#### Features

- Gold Plated Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE45239 BNC male right angle connector with solder/solder attachment for PE-SR405AL, PE-SR405FL and RG405 is part of our full line of RF components available for same-day shipping. Its right angle body geometry allows for easier connections in tight spaces.

Our BNC male right angle connector PE45239 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

##### Size

Length

0.89 in [22.61 mm]

Width/Dia.

0.57 in [14.48 mm]

Weight

0.026 lbs [11.79 g]

#### Material Specifications

| Description  | Material | Plating             |
|--------------|----------|---------------------|
| Contact      |          | Gold                |
| Insulation   | Teflon   |                     |
| Body         | Brass    | Gold<br>MIL-G-45204 |
| Coupling Nut | Brass    | Nickel              |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405 PE45239](#)

## BNC Male Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405



### RF Connectors Technical Data Sheet

**PE45239**

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

BNC Male Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405 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.

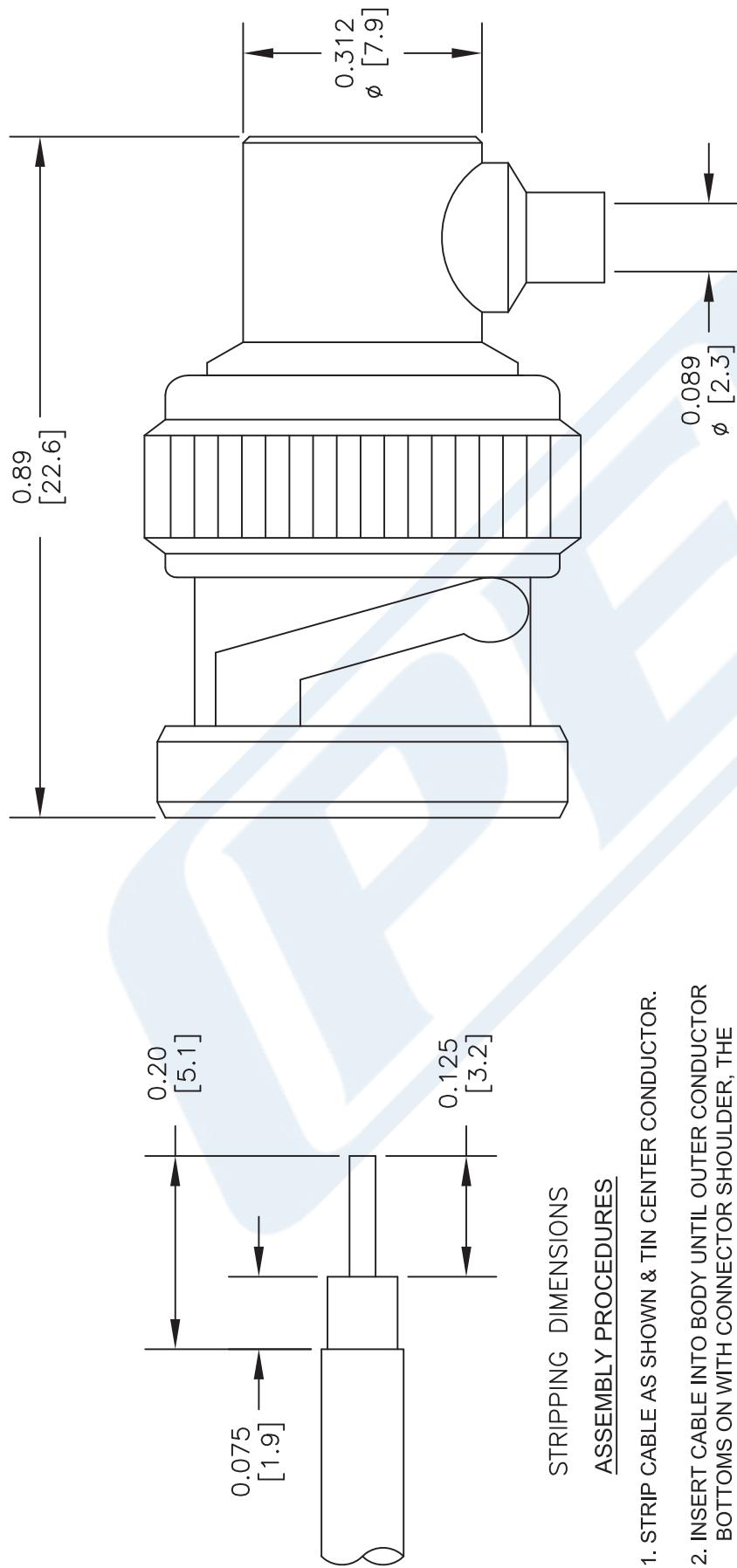
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle Connector Solder Attachment for PE-SR405AL, PE-SR405FL, RG405 PE45239](#)

URL: <https://www.pasternack.com/bnc-male-pe-sr405al-pe-sr405fl-rg405-connector-pe45239-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.

# PE45239 CAD Drawing

BNC Male Right Angle Connector Solder Attachment  
for PE-SR405AL, PE-SR405FL, RG405



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.

| DWG TITLE  | PE45239 | CAD FILE | 050916 | SCALE | N/A | SIZE | A | 2233 |
|--|---------|----------|--------|-------|-----|------|---|------|
| <b>PASTERNAK®</b><br>THE ENGINEER'S RF SOURCE<br>Pasternack 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.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a> |         |          |        |       |     |      |   |      |

TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, IP67 Rated



## RF Connectors Technical Data Sheet

PE44898

### Configuration

- TNC Female Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry

- PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405 Interface Type
- Solder/Solder Attachment
- Bulkhead

### Features

- Max. Operating Frequency 6 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Phosphor Bronze Contact

- 30  $\mu$ in minimum contact plating
- IP67 Rated (Unmated)

### Applications

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

### Description

Pasternack's PE44898 TNC female bulkhead connector with solder/solder attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN and RG405 is part of our full line of RF components available for same-day shipping. Our TNC female connector operates up to a maximum frequency of 6 GHz and offers excellent VSWR of 1.25:1. This TNC 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. The connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Our TNC female bulkhead connector PE44898 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      |         | 6       | GHz   |
| VSWR            |         |         | 1.25:1  |       |

### Mechanical Specifications

#### Size

Length  
Width/Dia.  
Weight

1.11 in [28.19 mm]  
0.795 in [20.19 mm]  
0.043 lbs [19.5 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, IP67 Rated PE44898](#)

TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, IP67 Rated



## RF Connectors Technical Data Sheet

PE44898

### Material Specifications

| Description | Material        | Plating                     |
|-------------|-----------------|-----------------------------|
| Contact     | Phosphor Bronze | Gold<br>30 $\mu$ in minimum |
| Insulation  | PTFE            |                             |
| Body        | Brass           | Nickel                      |

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 deg C

Ingress Protection (IP) Rating

IP67 Rated (Unmated)

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

### Plotted and Other Data

Notes:

TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, IP67 Rated from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

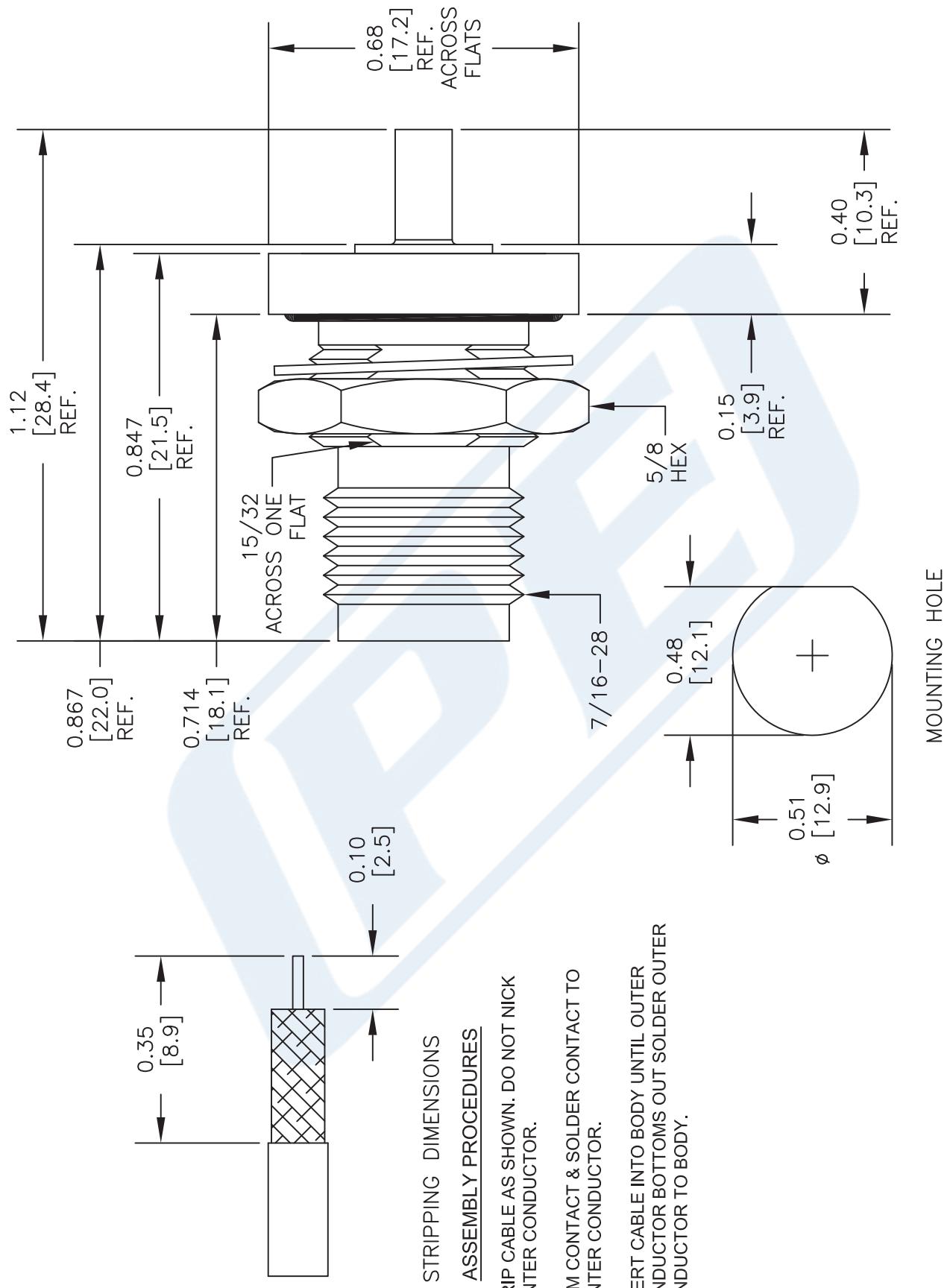
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL, PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, IP67 Rated PE44898](#)

URL: <https://www.pasternack.com/tnc-female-standard-rg405-u-pe-sr405fl-pe-sr405flj-connector-pe44898-p.aspx>

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# PE44898 CAD Drawing

TNC Female Bulkhead Mount Connector Solder Attachment for PE-SR405AL,  
PE-SR405FL, PE-SR405FLJ, PE-SR405TN, RG405, IP67 Rated



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

DWG TITLE  
**PE44898**

FSCM NO. 53919 CAD FILE 032714 SCALE N/A SIZE A 150

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## Formable 086 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket

### RF Cables Technical Data Sheet

**PE-SR405FLJ**

#### Configuration

- Formable Cable
- 1 Shield(s)

#### 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. FEP Jacket reduces the chance of shorting exposed contacts or circuit conductors.

#### Electrical Specifications

| Description                   | Minimum | Typical     | Maximum | Units        |
|-------------------------------|---------|-------------|---------|--------------|
| Frequency Range               | DC      |             | 61      | GHz          |
| Impedance                     |         | 50          |         | Ohms         |
| Velocity of Propagation       |         | 69.5        |         | %            |
| Time Delay                    |         | 1.43 [4.69] |         | ns/ft [ns/m] |
| Shielding Effectiveness       | 100     |             |         | dB           |
| Operating Voltage (AC)        |         |             | 1,500   | Vrms         |
| Inner Conductor DC Resistance |         |             | 65.7    | Ohms/1000ft  |
| Outer Conductor DC Resistance |         |             | 10.2    | 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      | 15    | 22.5  | 54.9   | 81.2  | 120   | dB/100ft |
|                       | 49.21 | 73.82 | 180.12 | 266.4 | 393.7 | dB/100m  |
| Input Power (CW), Max | 173.5 | 121.5 | 52.2   | 35.8  | 24.3  | Watts    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable PE-SR405FLJ Coax Cable with Outer Conductor and Black FEP Jacket PE-SR-405FLJ](#)



## Formable 086 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket

### RF Cables Technical Data Sheet

PE-SR405FLJ

#### Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.105 in [2.67 mm]       |
| Weight                          | 0.015 lbs/ft [0.02 Kg/m] |
| Min. Bend Radius (Installation) | 0.5 in [12.7 mm]         |
| Min. Bend Radius (Repeated)     | 0.787 in [19.99 mm]      |

#### Construction Specifications

| Description     | Material and Plating                 | Diameter           |
|-----------------|--------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strands | 0.02 in [0.51 mm]  |
| Conductor Type  | Solid                                |                    |
| Dielectric      | PTFE                                 | 0.062 in [1.57 mm] |
| Outer Conductor | Tinned Copper Composite Braid        | 0.085 in [2.16 mm] |
| Jacket          | FEP, Black                           | 0.105 in [2.67 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 086 Semirigid Coax Cable with Tinned Braid Outer Conductor and Black FEP Jacket 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.

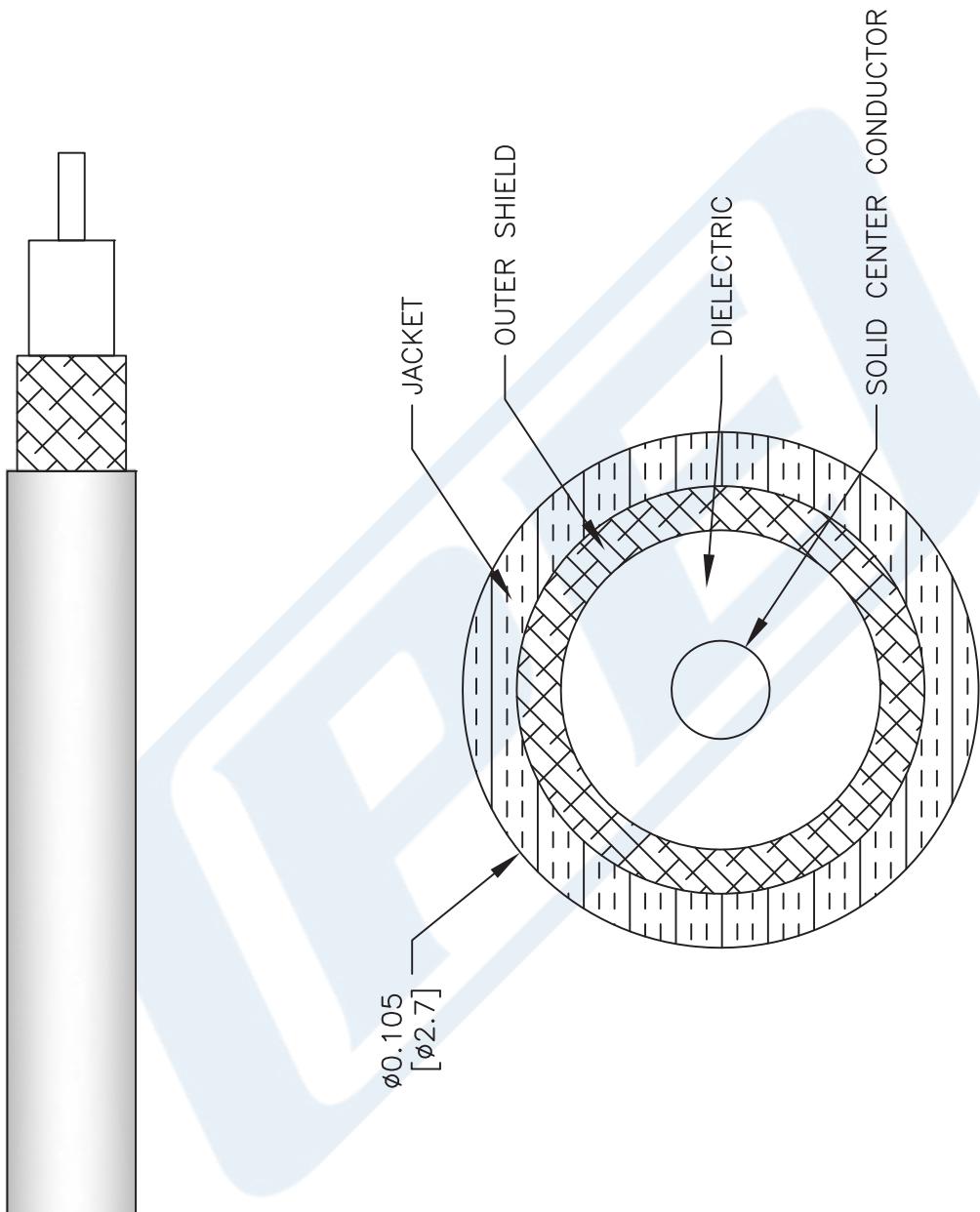
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable PE-SR405FLJ Coax Cable with Outer Conductor and Black FEP Jacket PE-SR405FLJ](#)

URL: <https://www.pasternack.com/50-ohm-formable-086-semirigid-tinned-braid-outer-conductor-fep-jacket-black-pe-sr405flj-p.aspx>

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# PE-SR405FLJ CAD Drawing

Formable 086 Semirigid Coax Cable with Tinned Braid  
Outer Conductor and Black FEP Jacket



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**PE-SR405FLJ**

DWG TITLE

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| CAGE CODE | 53919 | CAD FILE | 032817 | SCALE | N/A | SIZE | A | 2233 |
|-----------|-------|----------|--------|-------|-----|------|---|------|