


**QMA Male Connector Solder Attachment For  
PE-SR405AL, PE-SR405FL, RG405**
**TECHNICAL DATA SHEET**
**PE44495**
**QMA Male Connector Solder Attachment For PE-SR405AL, PE-SR405FL, RG405**
**Configuration**

|  |                               |
|--|-------------------------------|
| Connector                                | QMA Male                      |
| Connector Interface Type                 | PE-SR405AL, PE-SR405FL, RG405 |
| Cable Attachment Method (Shield/Contact) | Solder/Solder                 |
| Body Style                               | Straight                      |

**Electrical Specifications**

|                 |    |
|-----------------|----|
| Impedance, Ohms | 50 |
|-----------------|----|

**Mechanical Specifications**

| Size                |               |
|---------------------|---------------|
| Length, in [mm]     | 0.665 [16.89] |
| Width/Dia., in [mm] | 0.413 [10.49] |
| Weight, lbs [g]     | 0.006 [2.72]  |

**Connector**

|                                   |               |
|-----------------------------------|---------------|
| Type                              | QMA Male      |
| Contact Material and Plating      | Gold          |
| Coupling Nut Material and Plating | Brass, Nickel |
| Body Material and Plating         | Brass, Gold   |
| Dielectric Type                   | PTFE          |

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

**Plotted and Other Data**

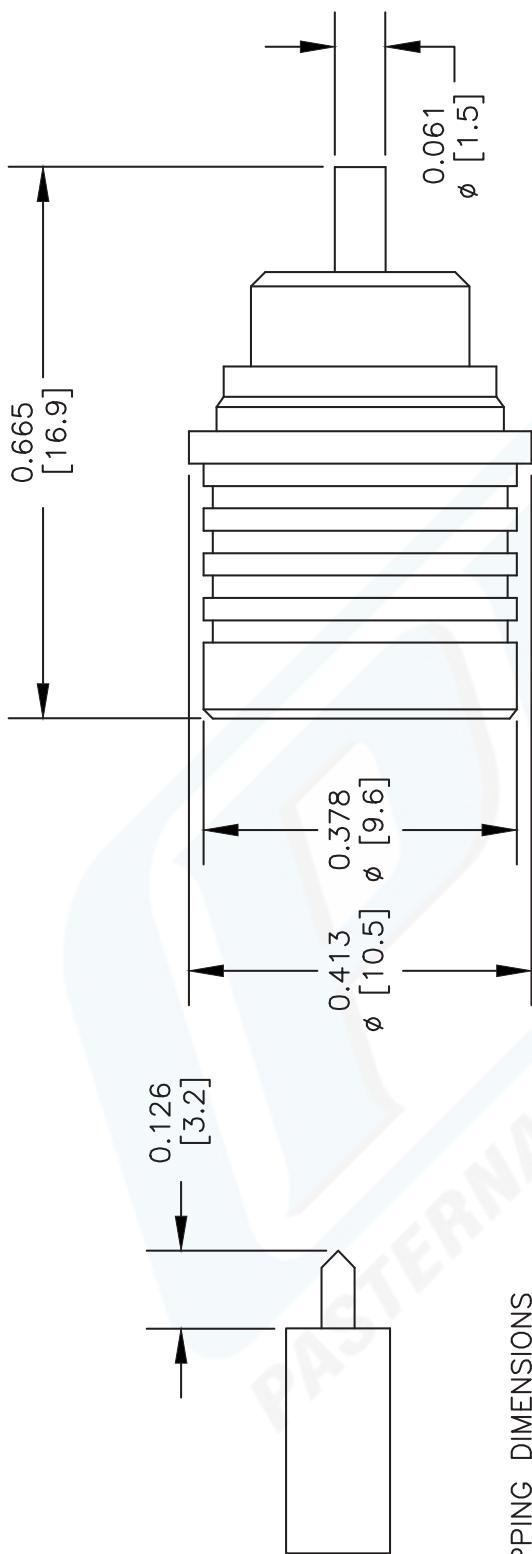
|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

QMA Male 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 fiber optic 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: [QMA Male Connector Solder Attachment For PE-SR405AL, PE-SR405FL, RG405 PE44495](http://www.pasternack.com/qma-male-standard-pe-sr405al-pe-sr405fl-r405-connector-pe44495-p.aspx)

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STRIPPING DIMENSIONS  
ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. DO NOT NICK CENTER CONDUCTOR.
2. SLIDE CABLE INTO CONNECTOR INSURING CENTER CONDUCTOR MATES WITH CENTER PIN.
3. OUTER CONDUCTOR BOTTOMS OUT WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

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.

| PASTERNAK®  | DWG TITLE       |
|---|-----------------|
| <b>PE</b>   | <b>PE44495</b>  |
| 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> |                 |
| FSCM NO. 53919  | CAD FILE 042307 |
|   | SCALE N/A       |
|   | SIZE A          |
|   | 127             |


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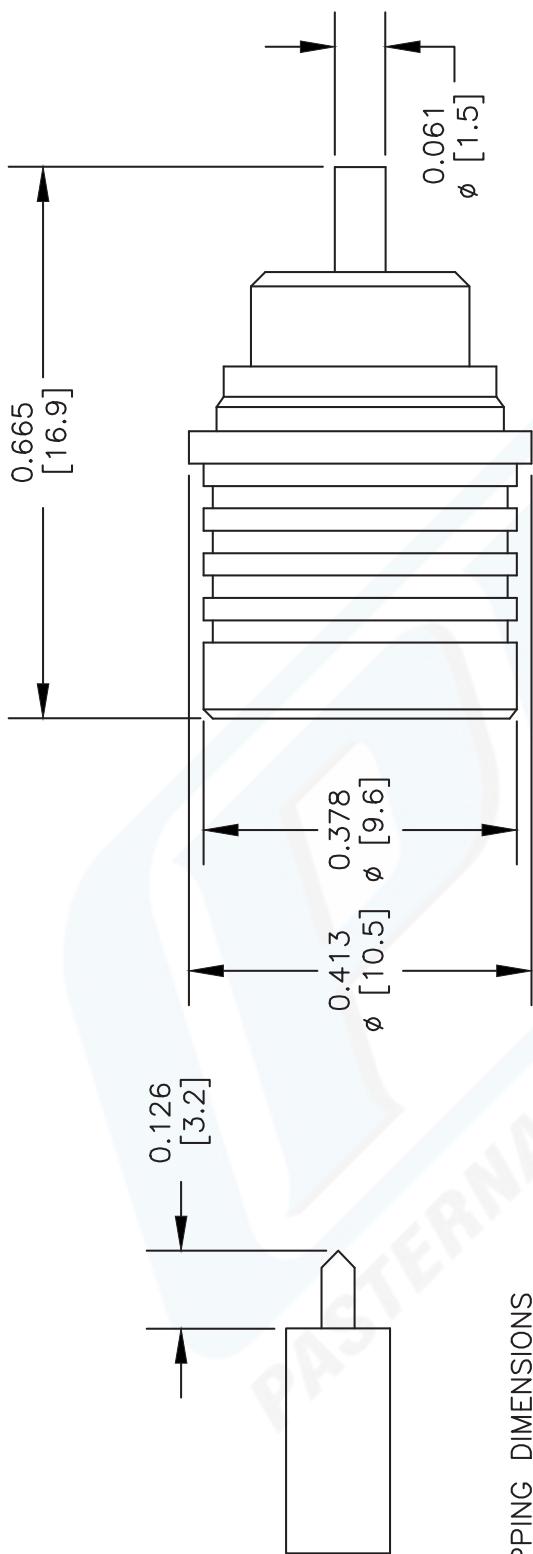
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|  | 127             |



## 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:

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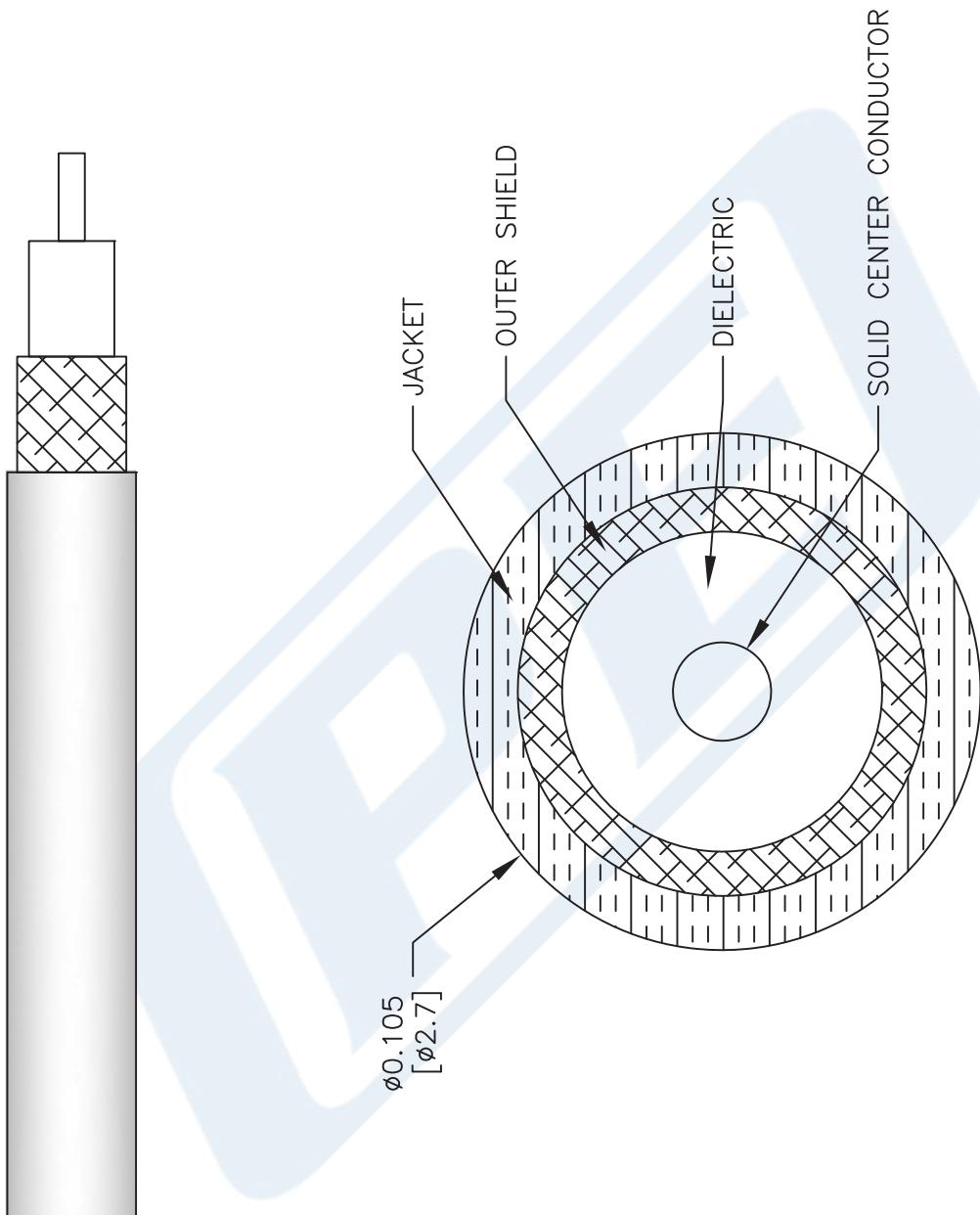
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URL: <https://www.pasternack.com/50-ohm-formable-086-semirigid-tinned-braid-outer-conductor-fep-jacket-black-pe-sr405flj-p.aspx>

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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

**PASTERNAK®**  
THE ENGINEER'S RF SOURCE

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