



## N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401

### RF Connectors Technical Data Sheet

**PE4376**

#### Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- PE-SR401AL, PE-SR401FL, RG401 Interface Type
- Solder/Solder Attachment

#### Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4376 type N male connector with solder/solder attachment for PE-SR401AL, PE-SR401FL and RG401 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 1.5:1.

Our type N male connector PE4376 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                   |         |         | 1.5:1   |       |
| Operating Voltage (AC) |         |         | 1,000   | Vrms  |

#### Mechanical Specifications

##### Size

|            |                     |
|------------|---------------------|
| Length     | 0.965 in [24.51 mm] |
| Width/Dia. | 0.827 in [21.01 mm] |
| Weight     | 0.069 lbs [31.3 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-SR401AL, PE-SR401FL, RG401 PE4376](#)



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### RF Connectors Technical Data Sheet

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#### Material Specifications

| Description  | Material | Plating                   |
|--------------|----------|---------------------------|
| Contact      | Brass    | Gold<br>30 µin minimum    |
| Insulation   | PTFE     |                           |
| Body         | Brass    | Gold<br>3 µin minimum     |
| Coupling Nut | Brass    | Nickel<br>100 µin minimum |

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401 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.

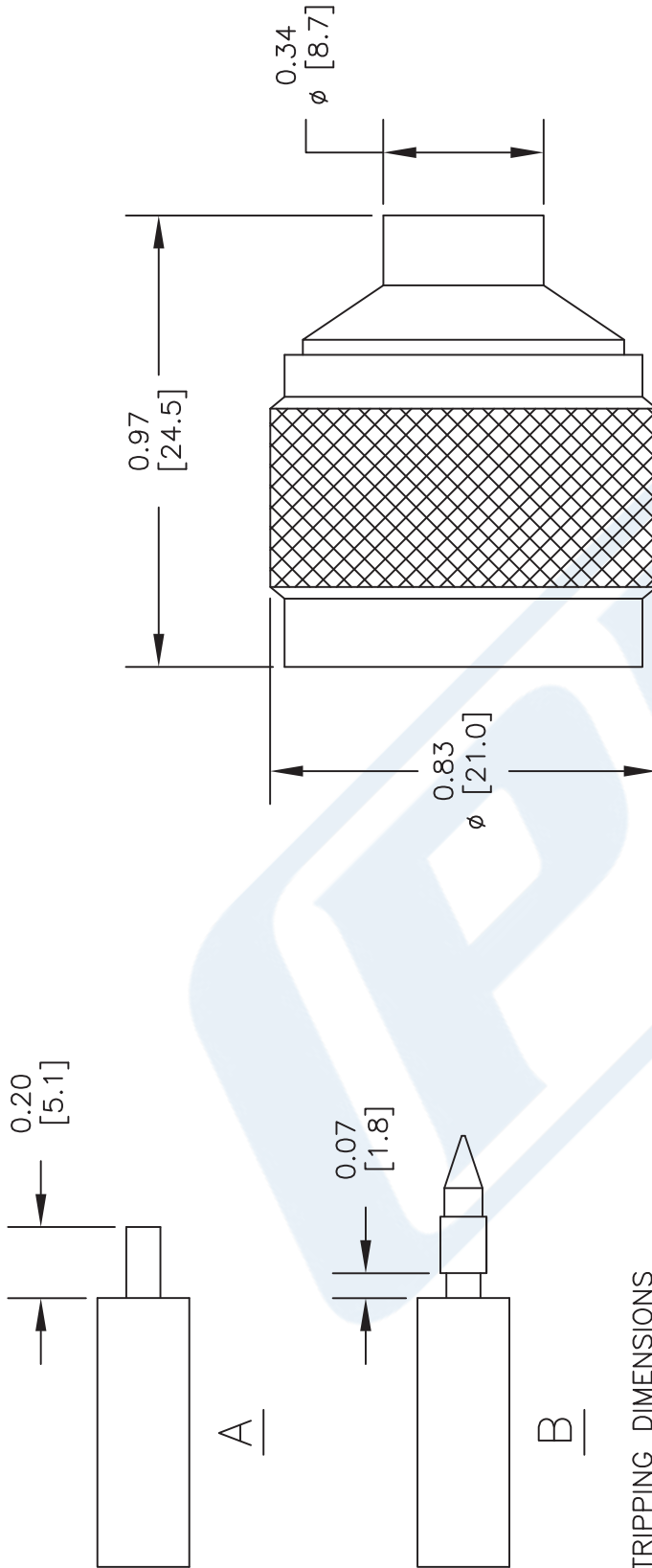
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URL: <https://www.pasternack.com/n-male-standard-pe-sr401al-pe-sr401fl-rg401-connector-pe4376-p.aspx>

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# PE4376 CAD Drawing

N Male Connector Solder Attachment for PE-SR401AL, PE-SR401FL, RG401



## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN IN (A). DO NOT NICK CENTER CONDUCTOR.
2. SHIM CONTACT AS SHOWN IN (B) & SOLDER CONTACT TO CENTER CONDUCTOR.
3. INSERT CABLE INTO BODY UNTIL OUTER CONDUCTOR IS FLUSH WITH BODY SHOULDER. SOLDER OUTER CONDUCTOR TO BODY.

DWG TITLE

**PE4376**

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.

**Pasternack Enterprises, Inc.**  
 P.O. Box 16759 | Irvine | CA | 92623  
**Phone:** (949) 261-1920 | **Fax:** (949) 261-7451  
**Website:** [www.pasternack.com](http://www.pasternack.com) | **E-Mail:** [sales@pasternack.com](mailto:sales@pasternack.com)

REV. A

FSCM NO. 53919

CAD FILE 030512

SCALE N/A

SIZE A

2233



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#### Mechanical Specifications

##### Size

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Operating Range

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

#### Plotted and Other Data

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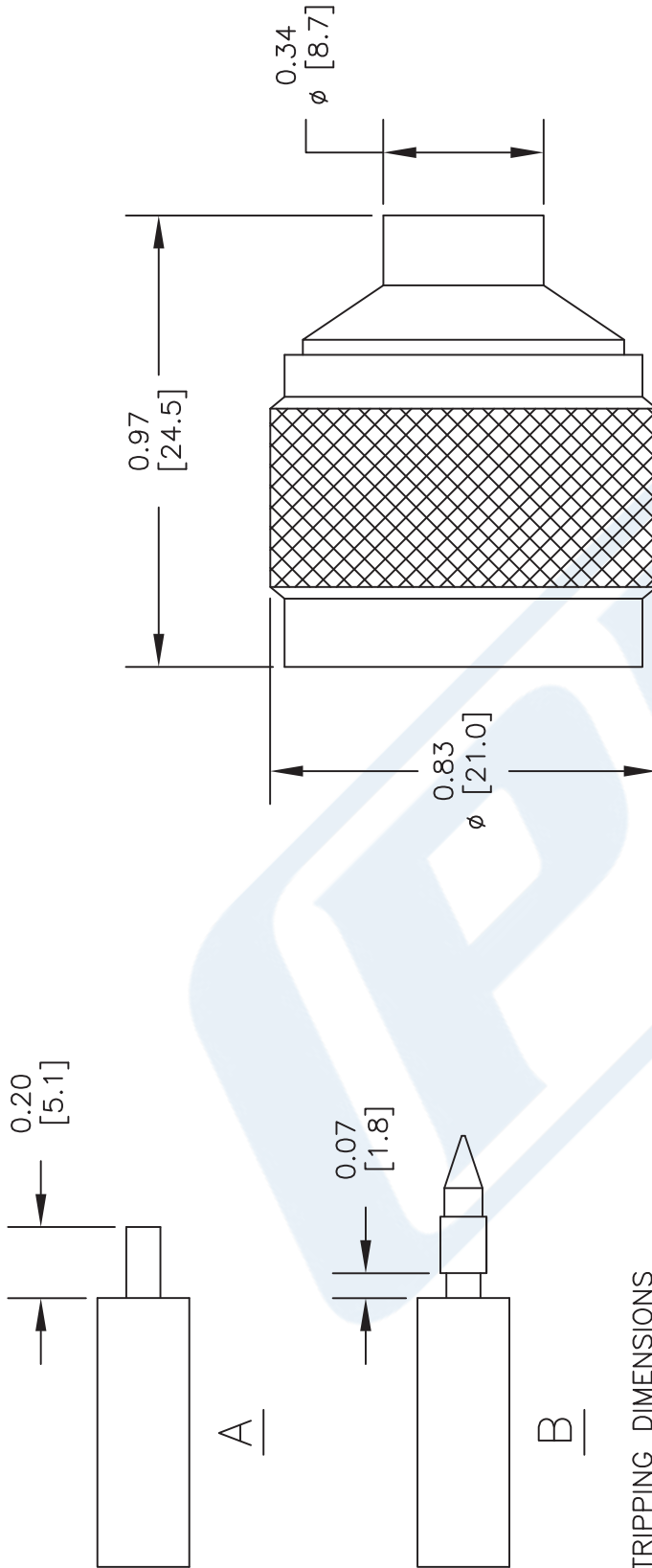
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# PE4376 CAD Drawing

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DWG TITLE

**PE4376**

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REV. A

FSCM NO. 53919

CAD FILE 030512

SCALE N/A

SIZE A

2233





## Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### RF Cables Technical Data Sheet

PE-SR401FL

#### Configuration

- Formable Cable
- 1 Shield(s)

#### Electrical Specifications

| Description                   | Minimum | Typical      | Maximum | Units        |
|-------------------------------|---------|--------------|---------|--------------|
| Frequency Range               | DC      |              | 18      | GHz          |
| Impedance                     |         | 50           |         | Ohms         |
| Velocity of Propagation       |         | 69.5         |         | %            |
| Shielding Effectiveness       | 100     |              |         | dB           |
| Inner Conductor DC Resistance |         |              | 2.5     | Ohms/1000ft  |
| Outer Conductor DC Resistance |         |              | 8       | Ohms/1000ft  |
| Nominal Capacitance           |         | 29.6 [97.11] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description      | F1    | F2    | F3    | F4    | F5     | Units    |
|------------------|-------|-------|-------|-------|--------|----------|
| Frequency        | 0.5   | 1     | 5     | 10    | 18     | GHz      |
| Attenuation, Typ | 4.4   | 6.8   | 19    | 28    | 41     | dB/100ft |
|                  | 14.44 | 22.31 | 62.34 | 91.86 | 134.51 | dB/100m  |

Electrical Specification Notes:  
5,600 VRMS @ 60Hz

#### Mechanical Specifications

Min. Bend Radius (Installation) 0.75 in [19.05 mm]

#### Construction Specifications

| Description     | Material and Plating      | Diameter           |
|-----------------|---------------------------|--------------------|
| Inner Conductor | Copper, Silver, 1 Strands | 0.065 in [1.65 mm] |
| Conductor Type  | Solid                     |                    |
| Dielectric      | PTFE                      | 0.21 in [5.33 mm]  |
| Outer Conductor | Tinned Copper Braid       | 0.25 in [6.35 mm]  |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR401FL](#)



## Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor

### RF Cables Technical Data Sheet

PE-SR401FL

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +125 deg C

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

#### Plotted and Other Data

Notes:

Formable 250 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 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor PE-SR401FL](#)

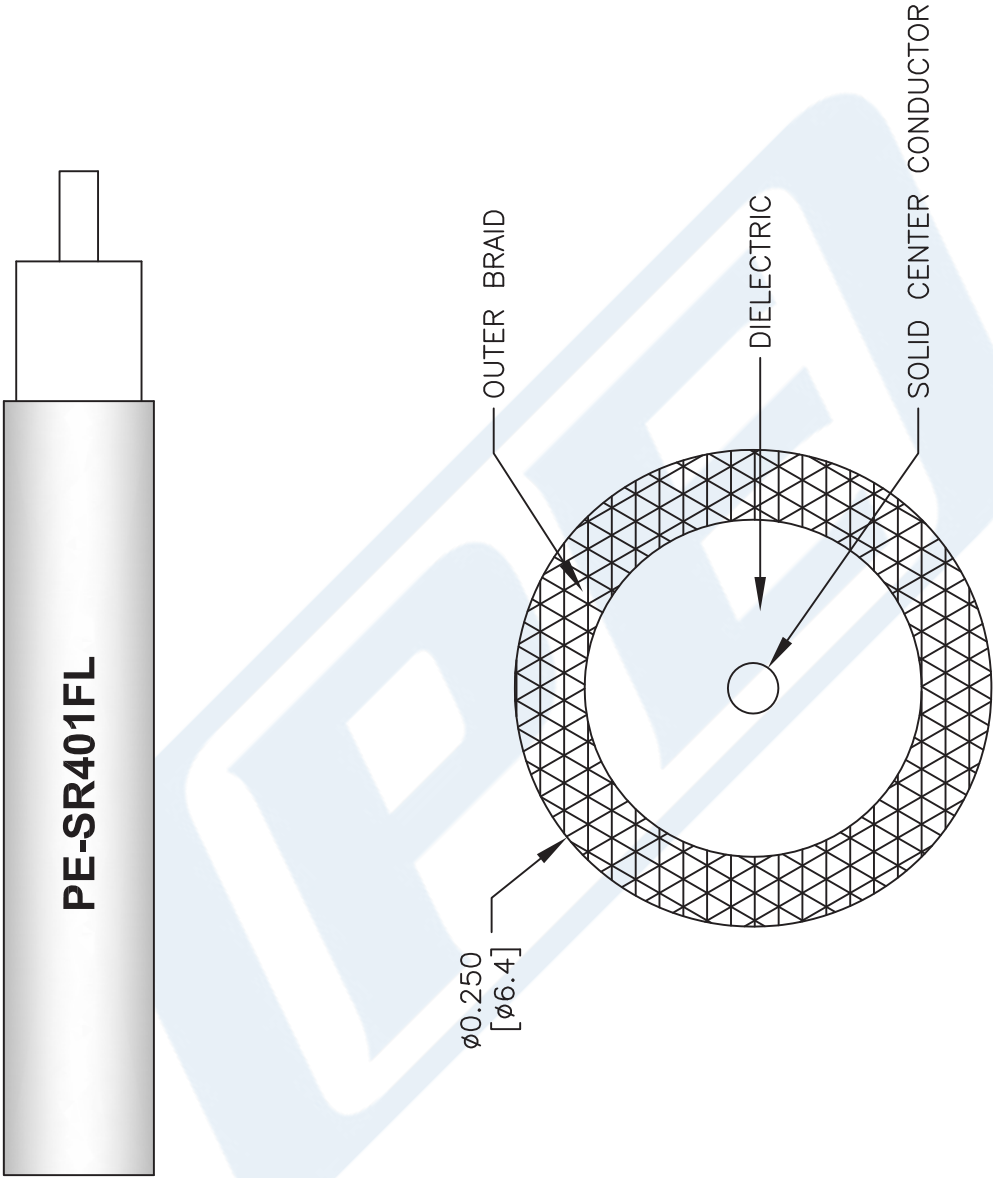
URL: <https://www.pasternack.com/formable-0.250-semirigid-replacement-50-ohm-coax-cable-tinned-braid-pe-sr401fl-p.aspx>

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PE-SR401FL CAD Drawing

Formable 250 Semi-rigid Coax Cable with Tinned Copper Braid Outer Conductor



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DWG TITLE

PE-SR401FL

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

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

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