



## SC Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215

### RF Connectors Technical Data Sheet

**PE4520**

#### Configuration

- SC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG213, RG214, RG8, RG9, RG225, RG393, RG215 Interface Type
- Clamp/Solder Attachment

#### Features

- Max. Operating Frequency 11 GHz
- Silver Plated Contact
- Contact plating according to QQ-S-365

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4520 SC male connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG225, RG393 and RG215 is part of our full line of RF components available for same-day shipping. Our SC male connector operates up to a maximum frequency of 11 GHz.

Our SC male connector PE4520 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   |
| Operating Voltage (AC)               |         |         | 1,000   | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 3,000   | Vrms  |
| Insulation Resistance                | 5,000   |         |         | MOhms |

#### Mechanical Specifications

##### Size

|            |                   |
|------------|-------------------|
| Length     | 1.5 in [38.1 mm]  |
| Width/Dia. | 0.8 in [20.32 mm] |
| Weight     | 0.11 lbs [49.9 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SC Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE4520](#)



SC Male Connector Clamp/Solder Attachment for  
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### Material Specifications

| Description  | Material | Plating            |
|--------------|----------|--------------------|
| Contact      |          | Silver<br>QQ-S-365 |
| Insulation   | PTFE     |                    |
| Body         | Brass    | Nickel<br>QQ-N-290 |
| Coupling Nut | Brass    | Nickel<br>QQ-N-290 |

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 deg C

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

### Plotted and Other Data

Notes:

SC Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 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/sc-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4520-p.aspx>

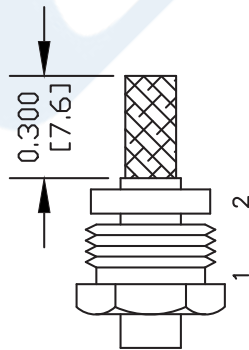
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# PE4520 CAD Drawing

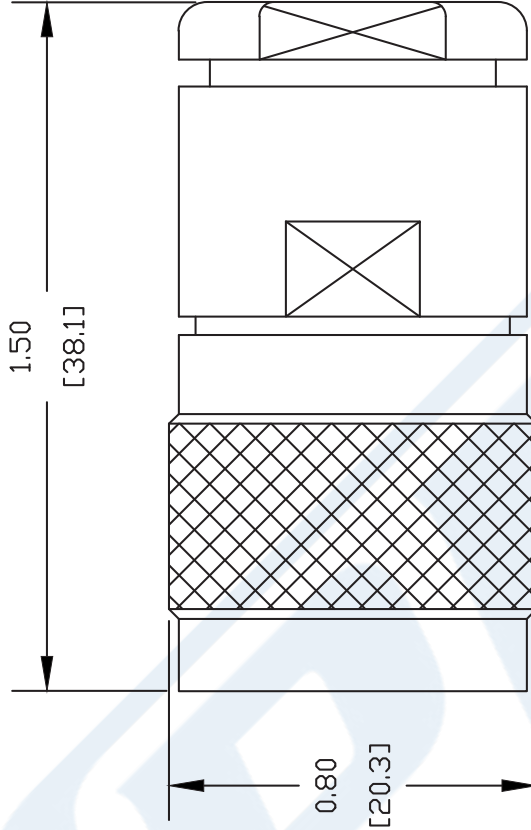
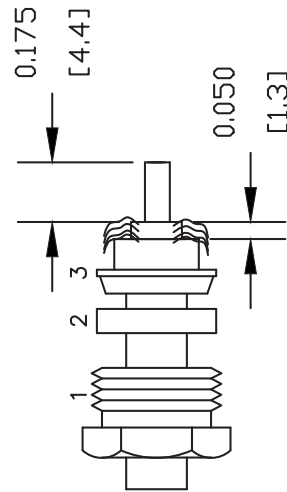
SC Male Connector Clamp/Solder Attachment for RG213,  
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## ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (3) SLIDE BRAID CLAMP(3) OVER BRAID & SEAT AGAINST CABLE.



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DWG TITLE

**PE4520**

FSCM NO. 53919

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.

CAD FILE 052102

SCALE N/A

SIZE A

XXXX



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### Environmental Specifications

#### Temperature

Operating Range

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### Plotted and Other Data

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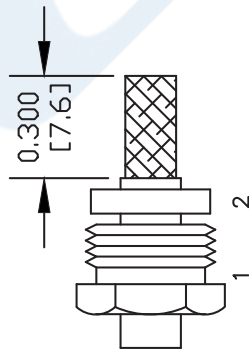
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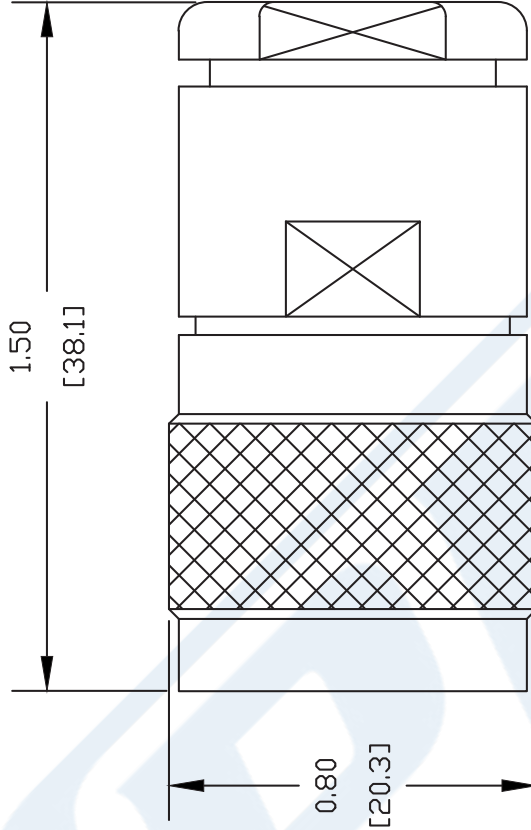
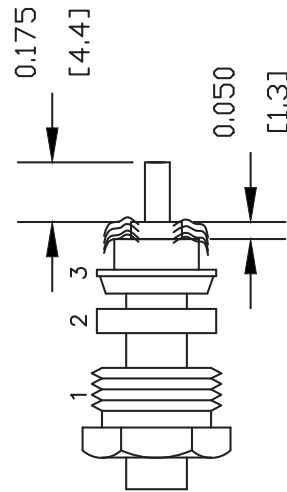
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DWG TITLE

**PE4520**

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CAD FILE 052102

SCALE N/A

SIZE A

XXXX



## Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket

### RF Cables Technical Data Sheet

**RG8A/U**

#### Times Microwave Systems Coax Cable Specification Configuration

- Flexible Cable
- 1 Shield(s)

#### Electrical Specifications

| Description             | Minimum | Typical       | Maximum | Units        |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range         | DC      |               | 1,000   | MHz          |
| Impedance               |         | 50            |         | Ohms         |
| Velocity of Propagation |         | 66            |         | %            |
| Nominal Capacitance     |         | 30.8 [101.05] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description      | F1          | F2          | F3          | F4           | F5           | Units               |
|------------------|-------------|-------------|-------------|--------------|--------------|---------------------|
| Frequency        | 1           | 10          | 50          | 400          | 700          | MHz                 |
| Attenuation, Typ | 0.2<br>0.66 | 0.6<br>1.97 | 1.3<br>4.27 | 4.1<br>13.45 | 6.5<br>21.33 | dB/100ft<br>dB/100m |

| Description      | F6           | F7         | F8 | F9 | F10 | Units               |
|------------------|--------------|------------|----|----|-----|---------------------|
| Frequency        | 900          | 1,000      |    |    |     | MHz                 |
| Attenuation, Typ | 7.6<br>24.93 | 8<br>26.25 |    |    |     | dB/100ft<br>dB/100m |

#### Mechanical Specifications

|          |                          |
|----------|--------------------------|
| Diameter | 0.405 in [10.29 mm]      |
| Weight   | 0.105 lbs/ft [0.16 Kg/m] |

#### Construction Specifications

| Description     | Material and Plating | Diameter           |
|-----------------|----------------------|--------------------|
| Inner Conductor | Copper, 7 Strands    | 0.085 in [2.16 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8A/U](#)



## Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket

### RF Cables Technical Data Sheet

**RG8A/U**

|                |                 |                     |
|----------------|-----------------|---------------------|
| Conductor Type | Stranded        |                     |
| Dielectric     | PE              | 0.285 in [7.24 mm]  |
| First Shield   | Copper Braid    | 0.318 in [8.08 mm]  |
| Jacket         | PVC (NC), Black | 0.405 in [10.29 mm] |

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +80 deg C

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

#### Plotted and Other Data

Notes:

Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) 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.

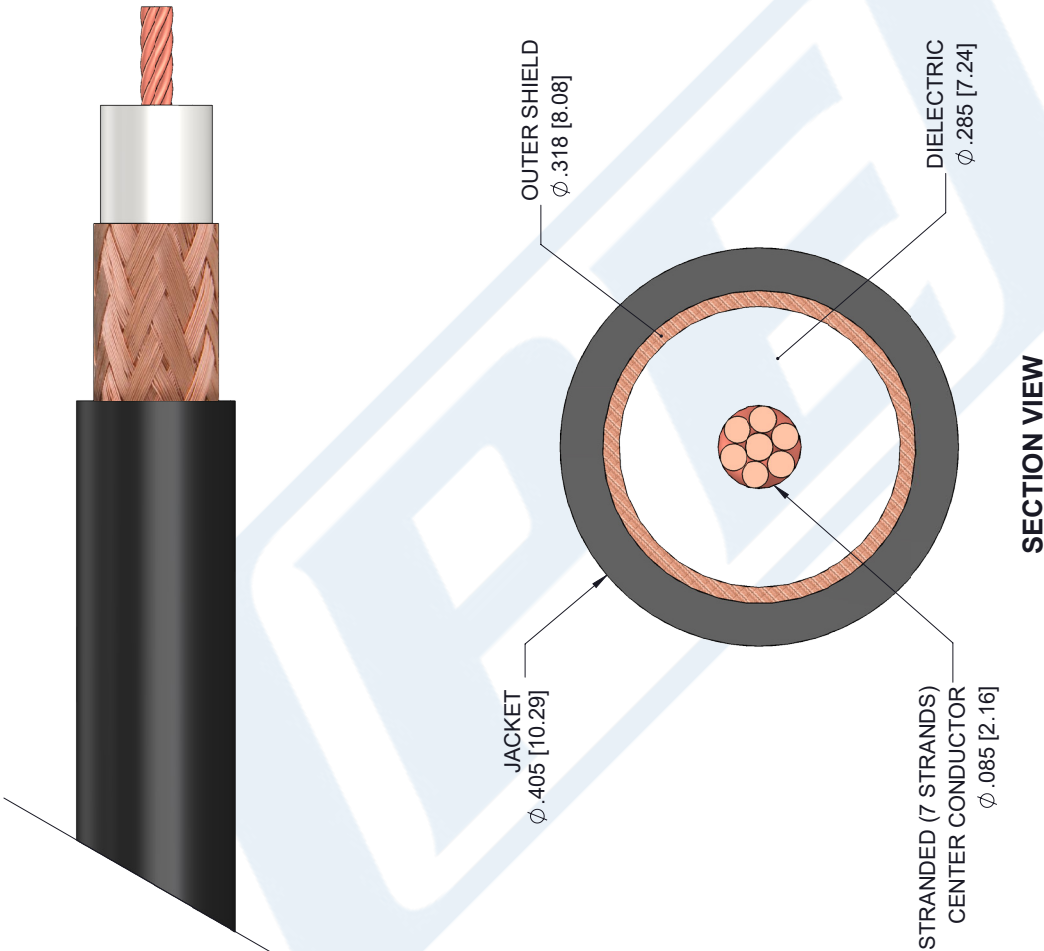
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URL: <https://www.pasternack.com/flexible-0.405-rg8-52-ohm-coax-cable-pvc-jacket-rg8a-u-p.aspx>

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RG8A/U CAD Drawing

Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket



| STANDARD TOLERANCES |
|---------------------|
| .X ±0.2             |
| .XX ±0.01           |
| .XXX ±0.005         |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

RG8A/U

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CAGE CODE 53919

CAD FILE 12/21/18

SCALE N/A

SIZE A

7361