



## 7/16 DIN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

**PE4571**

#### Configuration

- 7/16 DIN Male Connector
- IEC 169-4
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG214, RG9, RG225, RG393
- 32 mm Hex

#### Features

- Max. Operating Frequency 7.5 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4571 7/16 DIN male connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 is part of our full line of RF components available for same-day shipping. Our 7/16 DIN male connector operates up to a maximum frequency of 7.5 GHz and offers good VSWR of 1.3:1.

Our 7/16 DIN male connector PE4571 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      |         | 7.5     | GHz   |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 2,700   | Vrms  |

#### Mechanical Specifications

##### Size

|               |                                       |
|---------------|---------------------------------------|
| Length        | 1.976 in [50.19 mm]                   |
| Width/Dia.    | 1.25 in [31.75 mm]                    |
| Weight        | 0.224 lbs [101.6 g]                   |
| Mating Torque | 221 to 265 in-lbs [24.97 to 29.95 Nm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [7/16 DIN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE4571](#)



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#### Material Specifications

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

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +155 deg C

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

#### Plotted and Other Data

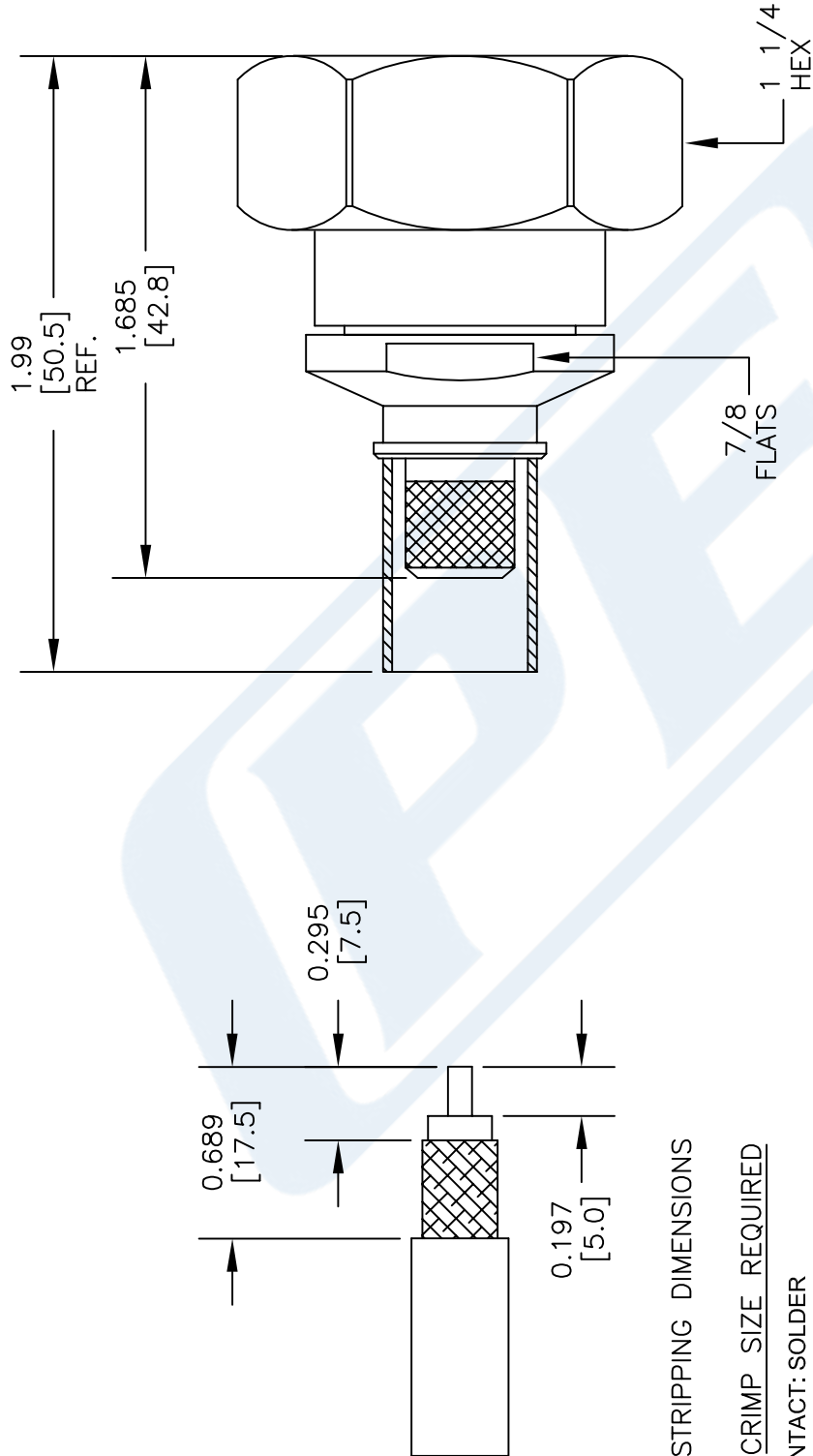
Notes:

7/16 DIN Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 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/7-16-male-rg214-rg9-rg225-rg393-connector-pe4571-p.aspx>

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DWG TITLE

**PE4571**

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FSCM NO. 53919

CAD FILE 101414

SCALE N/A

SIZE A

150

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

Pasternack Enterprises, Inc.  
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Website: www.pasternack.com | E-Mail: sales@pasternack.com



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#### Environmental Specifications

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Operating Range

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

#### Plotted and Other Data

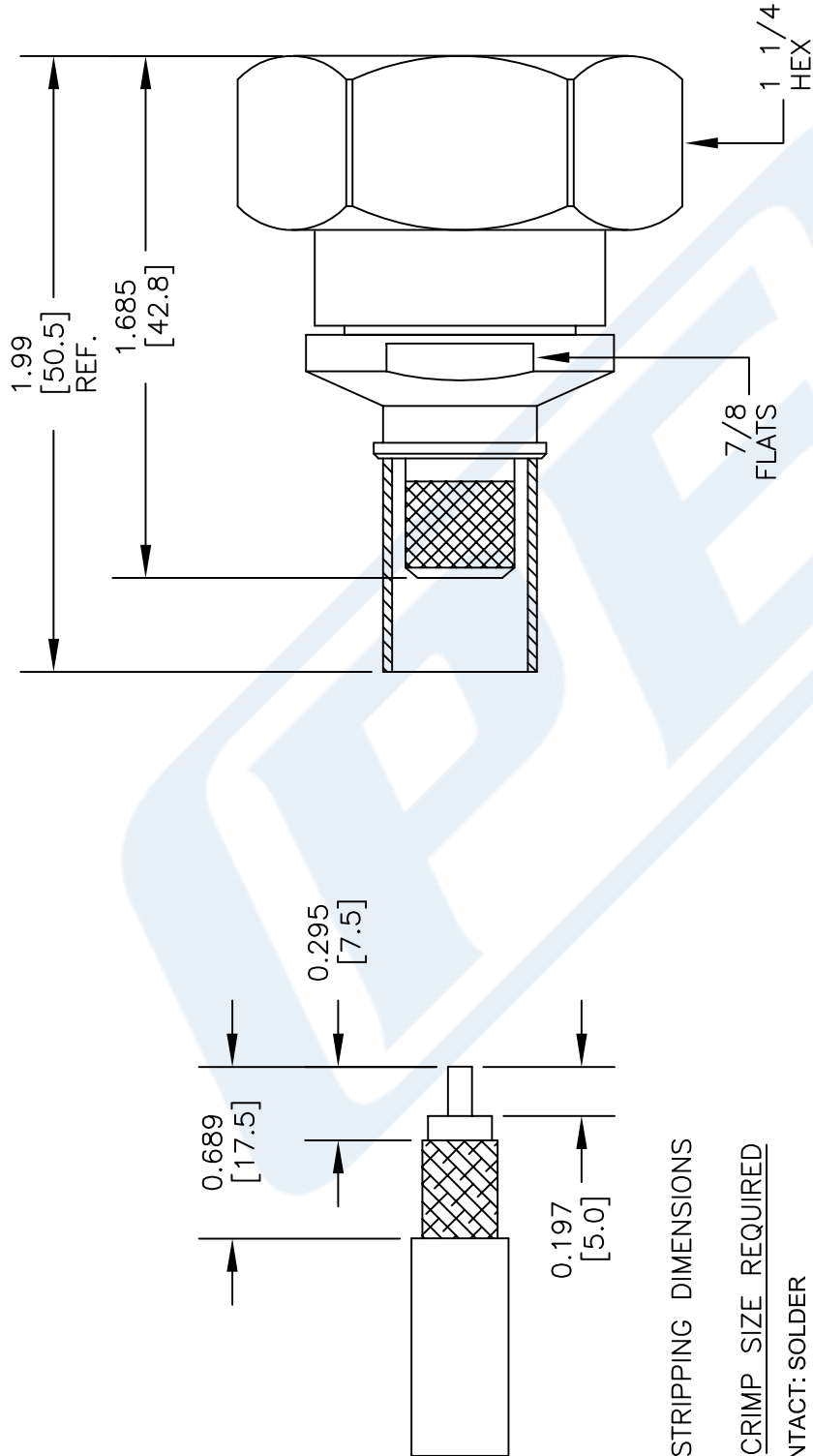
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FSCM NO. 53919

CAD FILE 101414

SCALE N/A

SIZE A

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## Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

### RF Cables Technical Data Sheet

**RG214/U**

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Electrical Specifications

| Description             | Minimum | Typical       | Maximum | Units        |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range         | DC      |               | 11      | GHz          |
| Impedance               |         | 50            |         | Ohms         |
| Velocity of Propagation |         | 66            |         | %            |
| Operating Voltage (AC)  |         |               | 5,000   | Vrms         |
| Nominal Capacitance     |         | 30.8 [101.05] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description      | F1   | F2   | F3   | F4    | F5     | Units    |
|------------------|------|------|------|-------|--------|----------|
| Frequency        | 0.01 | 0.1  | 1    | 5     | 10     | GHz      |
| Attenuation, Typ | 0.64 | 2.07 | 7.68 | 20.68 | 36.51  | dB/100ft |
|                  | 2.1  | 6.79 | 25.2 | 67.85 | 119.78 | dB/100m  |

#### Mechanical Specifications

|                             |                          |
|-----------------------------|--------------------------|
| Diameter                    | 0.425 in [10.8 mm]       |
| Weight                      | 0.122 lbs/ft [0.18 Kg/m] |
| Min. Bend Radius (Repeated) | 1.6 in [40.64 mm]        |

#### Construction Specifications

| Description     | Material and Plating                       | Diameter           |
|-----------------|--------------------------------------------|--------------------|
| Inner Conductor | Copper, Silver, 7 Strands<br>(7 X 0.02961) | 0.089 in [2.26 mm] |
| Conductor Type  | Stranded                                   |                    |
| Dielectric      | PE                                         | 0.285 in [7.24 mm] |
| First Shield    | Silver Plated Copper Braid                 |                    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)





Flexible RG214 Coax Cable Double  
Shielded with Black PVC Jacket

**RF Cables**  
**Technical Data Sheet**

**RG214/U**

|               |                                            |                    |
|---------------|--------------------------------------------|--------------------|
|               | 90% coverage                               |                    |
| Second Shield | Silver Plated Copper Braid<br>90% coverage | 0.331 in [8.41 mm] |
| Jacket        | PVC, Black                                 | 0.425 in [10.8 mm] |

**Environmental Specifications**

**Temperature**

Operating Range

-20 to +80 deg C

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

**Plotted and Other Data**

Notes:

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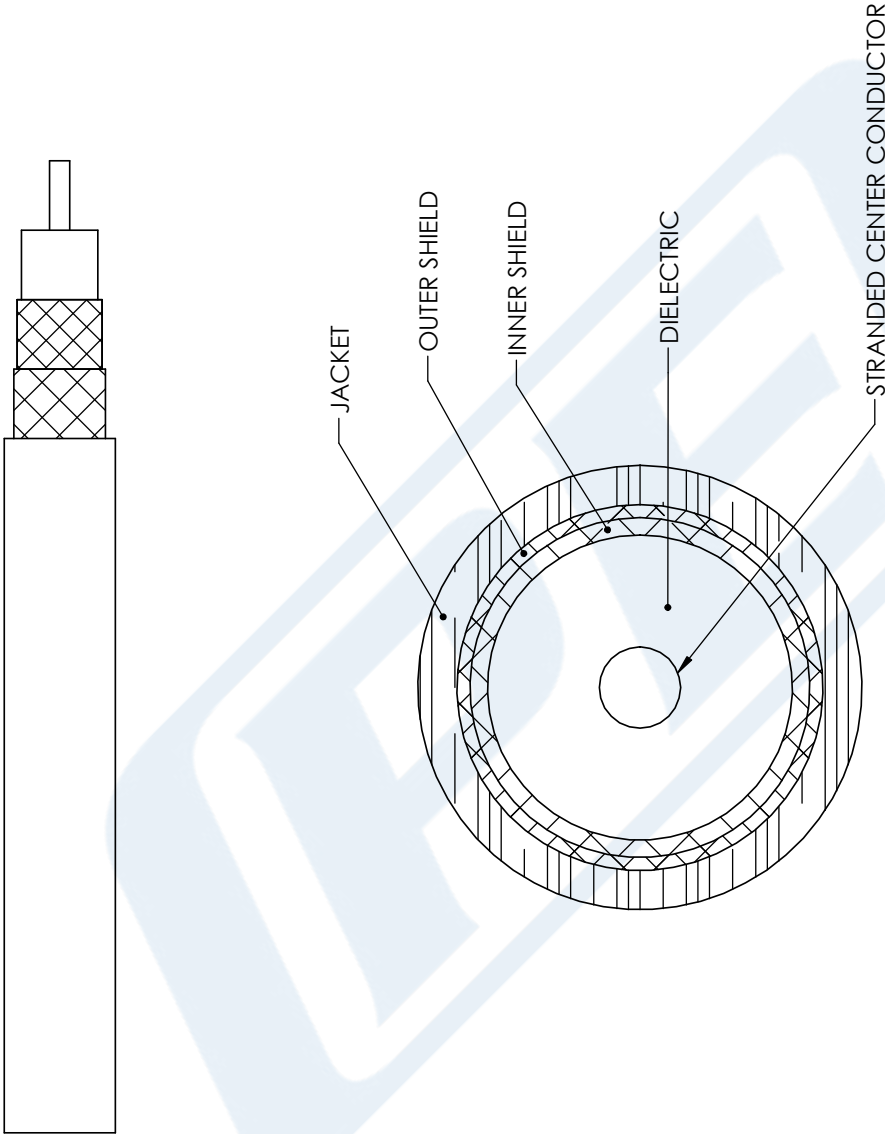
URL: <https://www.pasternack.com/flexible-0.425-rg214-50-ohm-coax-cable-pvc-jacket-rg214-u-p.aspx>

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RG214/U CAD Drawing

Flexible RG214 Coax Cable Double Shielded with Black PVC 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

RG214-U

CAGE CODE 53919

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CAD FILE 11/29/17

SCALE N/A

SIZE A

CN2245