



## HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9

### RF Connectors Technical Data Sheet

PE4230

#### Configuration

- HN Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG213, RG8, RG393, RG225, RG214, RG393, RG9

#### Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µm minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4230 HN male right angle connector with clamp/solder attachment for RG213, RG8, RG393, RG225, RG214, RG393 and RG9 is part of our full line of RF components available for same-day shipping. Our HN male connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our HN male right angle connector PE4230 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      |         | 3       | GHz   |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 1,500   | Vrms  |

#### Mechanical Specifications

##### Size

|            |                     |
|------------|---------------------|
| Length     | 1.85 in [46.99 mm]  |
| Width/Dia. | 0.866 in [22.00 mm] |
| Height     | 1.461 in [37.11 mm] |
| Weight     | 0.202 lbs [91.63 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9 PE4230](#)



HN Male Right Angle Connector Clamp/Solder Attachment  
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RF Connectors  
Technical Data Sheet

PE4230

**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 |

**Mechanical Specification Notes:**

When attaching the connector to the cable use a clamp torque value of 60 to 65 in-lbs [6.78 to 7.34 Nm]

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

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

**Plotted and Other Data**

Notes:

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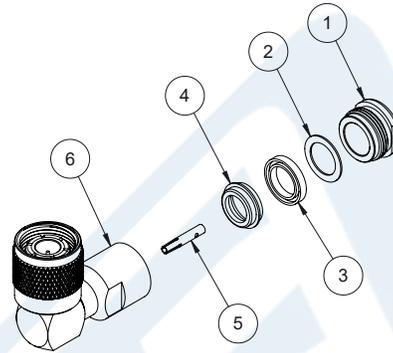


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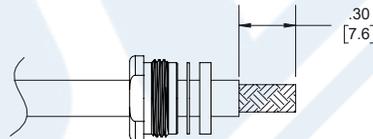
RF Connectors  
Technical Data Sheet

PE4230

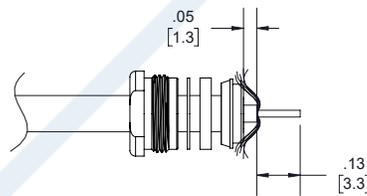
Assembly Instruction



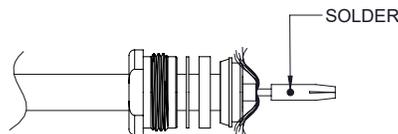
1. SLIDE CLAMP NUT ①, THIN-WASHER ② & GASKET ③ OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF CLAMP.



2. SLIDE BRAID CLAMP ④ OVER BRAID & SEAT AGAINST CABLE. FORM BRAID OVER CLAMP NUT. TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR.



3. SOLDER CONTACT ⑤ TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY ⑥ & TIGHTEN.



Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9 PE4230](#)



## HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9

### RF Connectors Technical Data Sheet

PE4230

HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9 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.

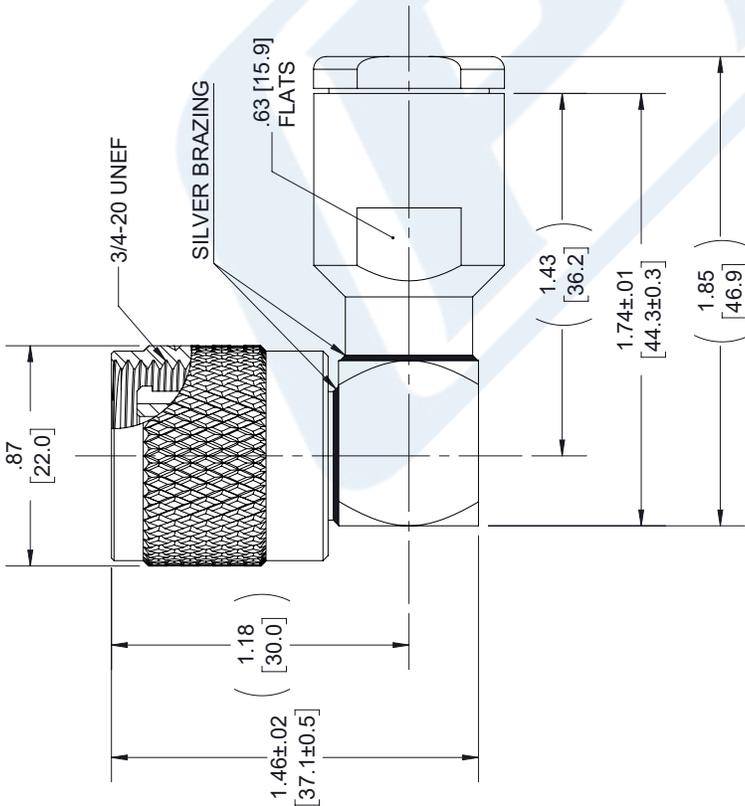
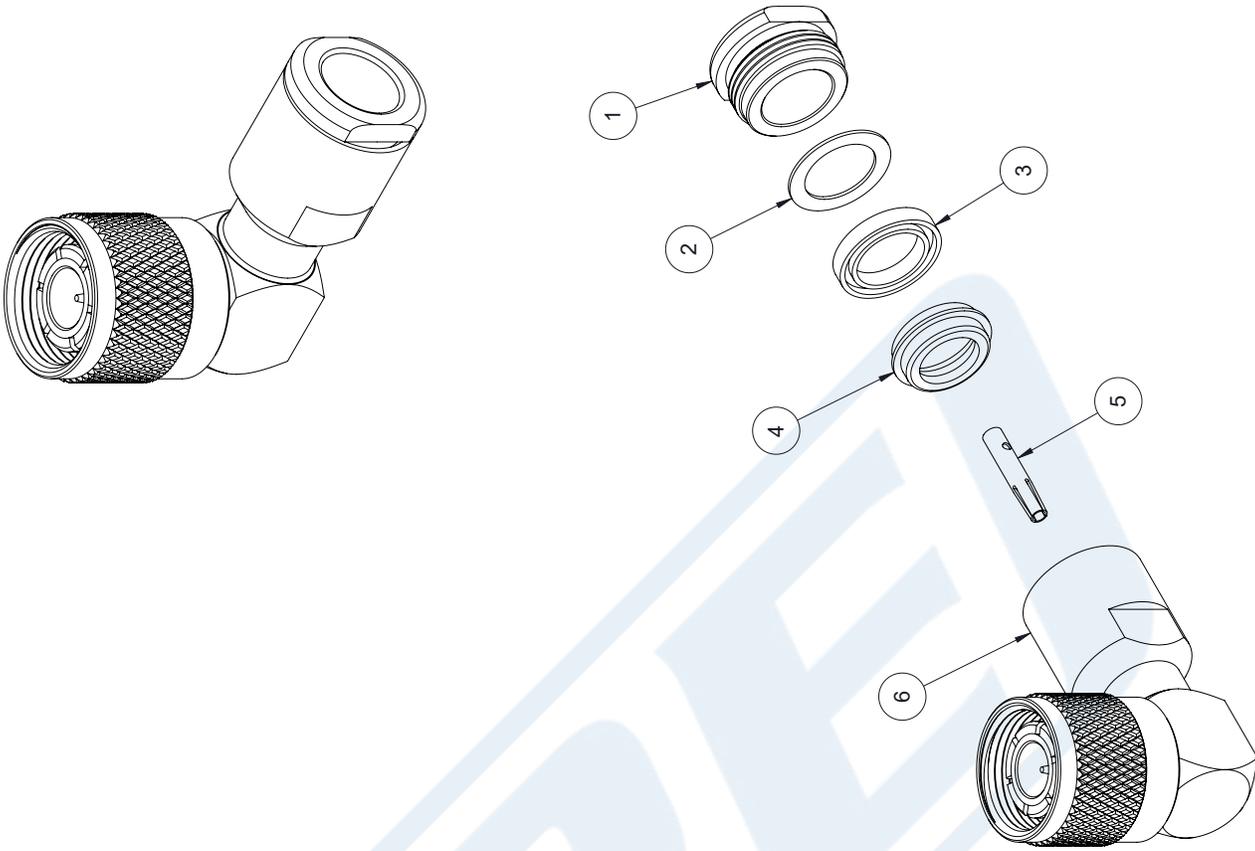
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [HN Male Right Angle Connector Clamp/Solder Attachment for RG213, RG8, RG393, RG225, RG214, RG393, RG9 PE4230](https://www.pasternack.com/hn-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4230-p.aspx)

URL: <https://www.pasternack.com/hn-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4230-p.aspx>

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# PE4230 CAD Drawing

HN Male Right Angle Connector Clamp/Solder Attachment for  
RG213, RG8, RG393, RG225, RG214, RG393, RG9



### 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

PE4230

CAGE CODE 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].

CAD FILE 102517

SCALE N/A

SIZE A

7361



## SHV Plug Connector Crimp/Solder Attachment for RG213, RG8

### RF Connectors Technical Data Sheet

PE4496

#### Configuration

- SHV Plug Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG213, RG8

#### Features

- Max. Operating Frequency 300 MHz
- Gold Plated Brass Contact
- 30 pinches minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4496 SHV plug connector with crimp/solder attachment for RG213 and RG8 is part of our full line of RF components available for same-day shipping. Our SHV plug connector operates up to a maximum frequency of 300 MHz.

Our SHV plug connector PE4496 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      |         | 300     | MHz   |
| Operating Voltage (AC) |         |         | 3,500   | Vrms  |

#### Mechanical Specifications

| Size       |                     |
|------------|---------------------|
| Length     | 2.11 in [53.59 mm]  |
| Width/Dia. | 0.571 in [14.50 mm] |
| Weight     | 0.055 lbs [24.95 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SHV Plug Connector Crimp/Solder Attachment for RG213, RG8 PE4496](#)



## SHV Plug Connector Crimp/Solder Attachment for RG213, RG8

### RF Connectors Technical Data Sheet

PE4496

#### Material Specifications

| Description | Material | Plating                       |
|-------------|----------|-------------------------------|
| Contact     | Brass    | Gold<br>30 pinches minimum    |
| Insulation  | Teflon   |                               |
| Body        | Brass    | Nickel<br>100 pinches minimum |

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 deg C

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

#### Plotted and Other Data

Notes:

SHV Plug Connector Crimp/Solder Attachment for RG213, RG8 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: [SHV Plug Connector Crimp/Solder Attachment for RG213, RG8 PE4496](#)

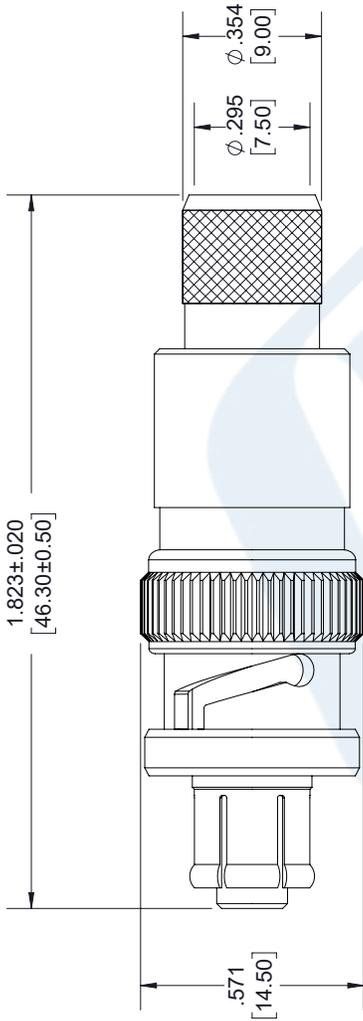
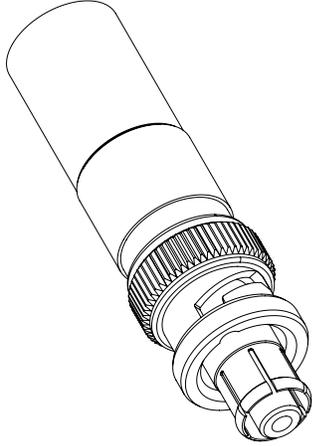
URL: <https://www.pasternack.com/shv-plug-standard-rg213-rg8-connector-pe4496-p.aspx>

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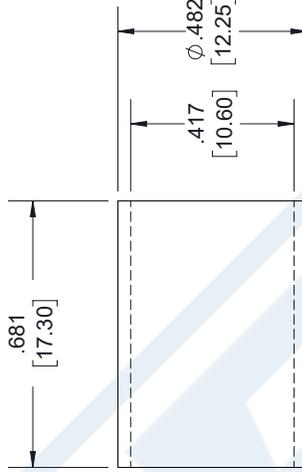
# PE4496 CAD Drawing

SHV Plug Connector Crimp/Solder Attachment for RG213, RG8

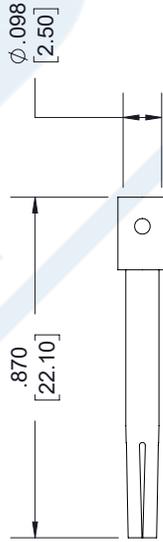
| REVISIONS |                 |          |          |
|-----------|-----------------|----------|----------|
| REV.      | DESCRIPTION     | DATE     | APPROVED |
| A         | INITIAL RELEASE | 10/01/19 | S.ELLIS  |



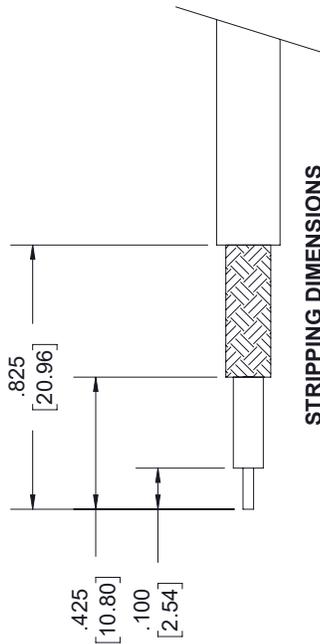
SHV PLUG



FERRULE



CONTACT



STRIPPING DIMENSIONS

NOTES:

- CABLE ATTACHMENT:
  - OUTER: CRIMP.
  - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
  - FERRULE: .429 [10.90] HEX. CRIMP TOOL.
  - CONTACT: SOLDER.

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:  
X±.2 [5.08] FRACTIONS  
XX±.01 [ .25] ±.132  
XXX±.005 [ .13] ANGLES ± 1°

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1  
SCALE N/A

|      |           |          |             |     |
|------|-----------|----------|-------------|-----|
| SIZE | CAGE CODE | DRAWN BY | PART NUMBER | REV |
| A    | 53919     | K.DANG   | PE4496      | A   |

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## 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  | 0.6  | 1.3  | 4.1   | 6.5   | dB/100ft<br>dB/100m |
|                  | 0.66 | 1.97 | 4.27 | 13.45 | 21.33 |                     |

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

#### 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.

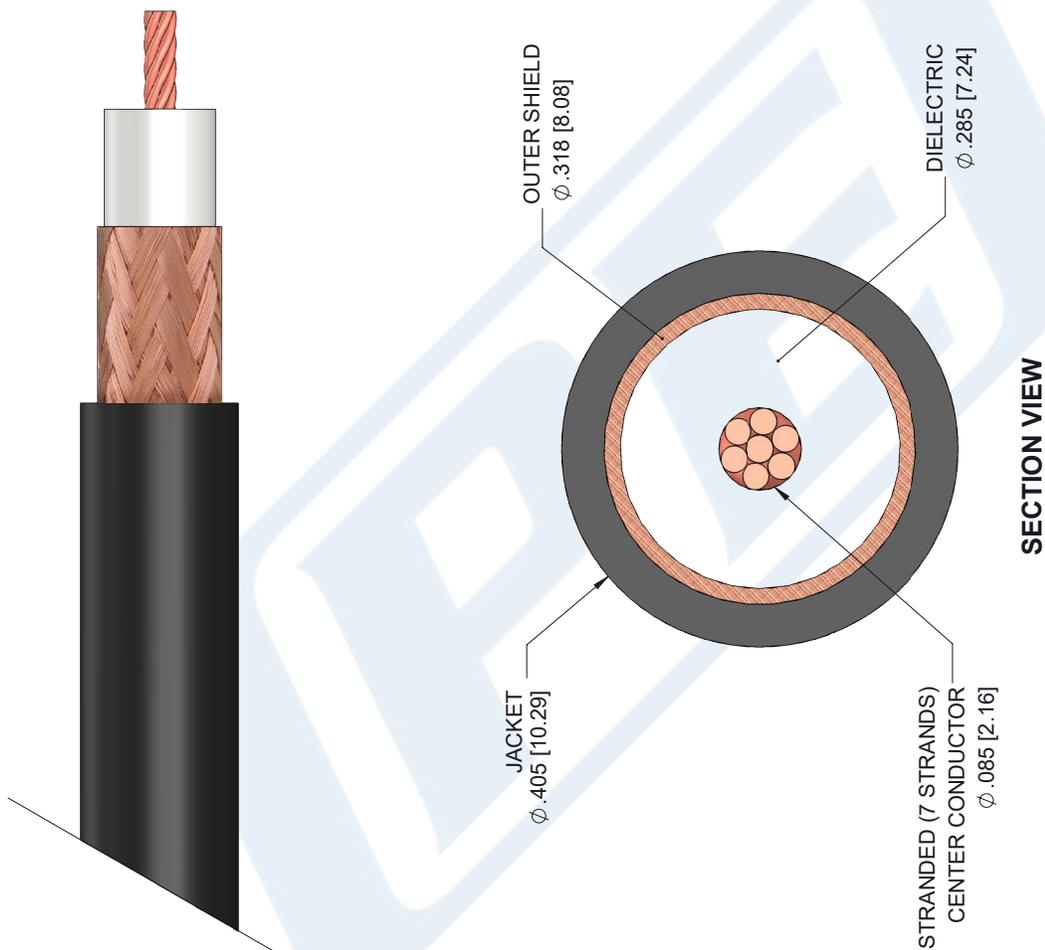
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8A/U](#)

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