



BNC Male Right Angle Connector Crimp/Solder Attachment for  
RG174, RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100

## RF Connectors Technical Data Sheet

**PE4393**

### Configuration

- BNC Male Connector
- 50 Ohms
- Right Angle Body Geometry
- RG174, RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100 Interface Type
- Crimp/Solder Attachment

### Features

- Max. Operating Frequency 4 GHz
- Gold Plated Brass Contact
- 30 µin minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4393 BNC male right angle connector with crimp/solder attachment for RG174, RG316, RG188, .100 inch, PE-B100, PE-C100 and LMR-100 is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 4 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our BNC male right angle connector PE4393 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      |         | 4       | GHz   |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

### Mechanical Specifications

#### Size

|            |                     |
|------------|---------------------|
| Length     | 1.79 in [45.47 mm]  |
| Width/Dia. | 0.57 in [14.48 mm]  |
| Height     | 1.06 in [26.92 mm]  |
| Weight     | 0.052 lbs [23.59 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100 PE4393](#)



BNC Male Right Angle Connector Crimp/Solder Attachment for  
RG174, RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100

## RF Connectors Technical Data Sheet

**PE4393**

### 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

-65 to +165 deg C

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

### Plotted and Other Data

Notes:

BNC Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100 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.

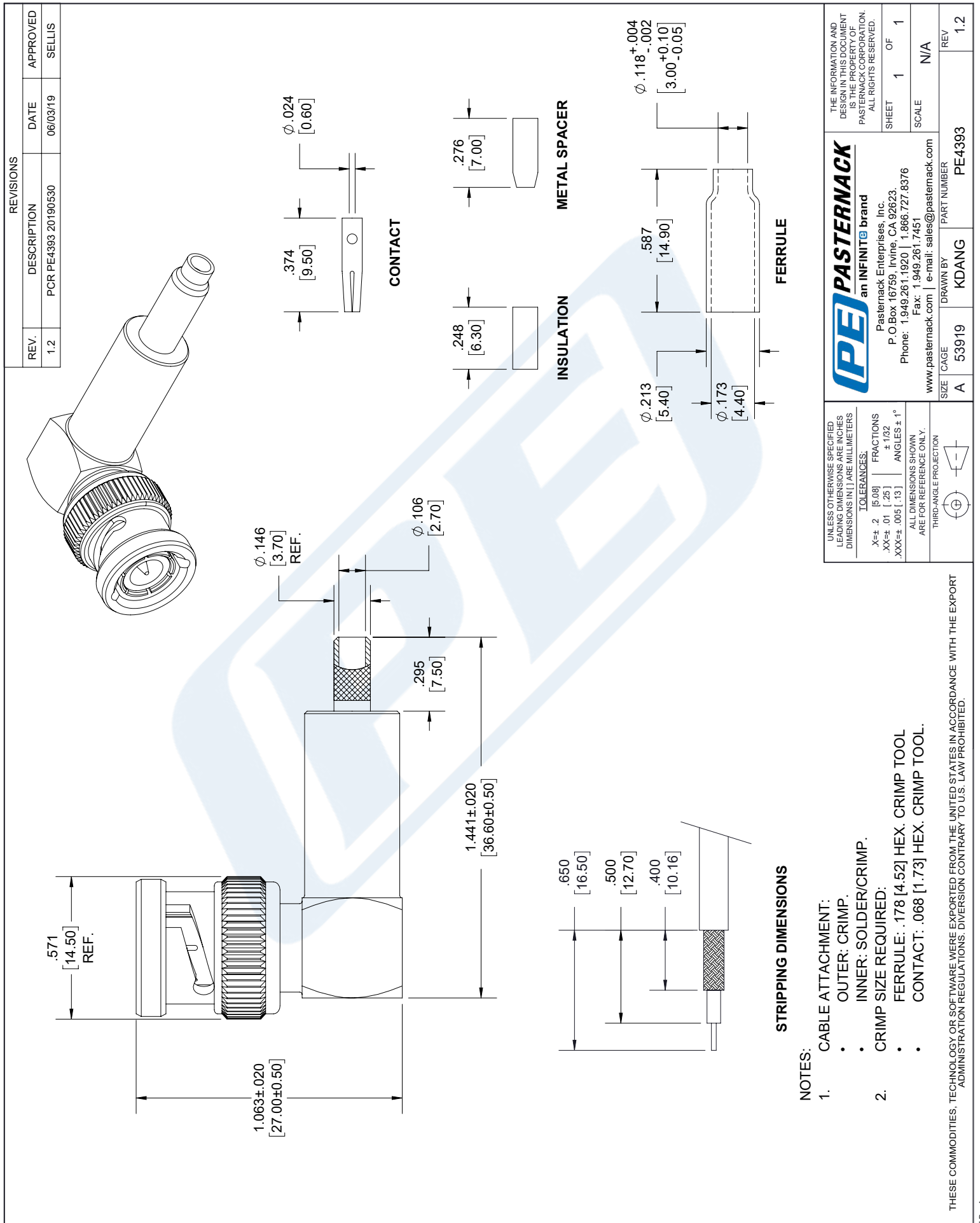
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100 PE4393](#)

URL: <https://www.pasternack.com/bnc-male-standard-rg174-rg316-rg188-connector-pe4393-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PE4393 CAD Drawing

BNC Male Right Angle Connector Crimp/Solder Attachment for RG174,  
RG316, RG188, .100 inch, PE-B100, PE-C100, LMR-100





BNC Male Connector Crimp/Crimp Attachment for  
.100 inch, RG316, RG174, RG188, LMR-100, LMR-  
100, LMR-100-FR, PE-C100, PE-B100

## RF Connectors Technical Data Sheet

**PE45045**

### Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100 Interface Type
- Crimp/Crimp Attachment

### Features

- Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.25:1
- Gold Plated Brass Contact
- 50  $\mu$ in minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE45045 BNC male connector with crimp/crimp attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100 and PE-B100 is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.25:1.

Our BNC male connector PE45045 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                   |         |         | 1.25:1  |       |
| Operating Voltage (AC) |         |         | 335     | Vrms  |

### Mechanical Specifications

#### Size

|            |                     |
|------------|---------------------|
| Length     | 0.99 in [25.15 mm]  |
| Width/Dia. | 0.57 in [14.48 mm]  |
| Weight     | 0.027 lbs [12.25 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Crimp Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100 PE45045](#)



BNC Male Connector Crimp/Crimp Attachment for  
.100 inch, RG316, RG174, RG188, LMR-100, LMR-  
100, LMR-100-FR, PE-C100, PE-B100

## RF Connectors Technical Data Sheet

**PE45045**

### Material Specifications

| Description  | Material        | Plating                   |
|--------------|-----------------|---------------------------|
| Contact      | Brass           | Gold<br>50 µin minimum    |
| Insulation   | PTFE            |                           |
| Body         | Brass           | Nickel<br>100 µin minimum |
| Coupling Nut | Brass           | Nickel<br>100 µin minimum |
| Gasket       | Silicone Rubber |                           |

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 deg C

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

### Plotted and Other Data

Notes:

### Assembly Instruction

BNC Male Connector Crimp/Crimp Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100 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.

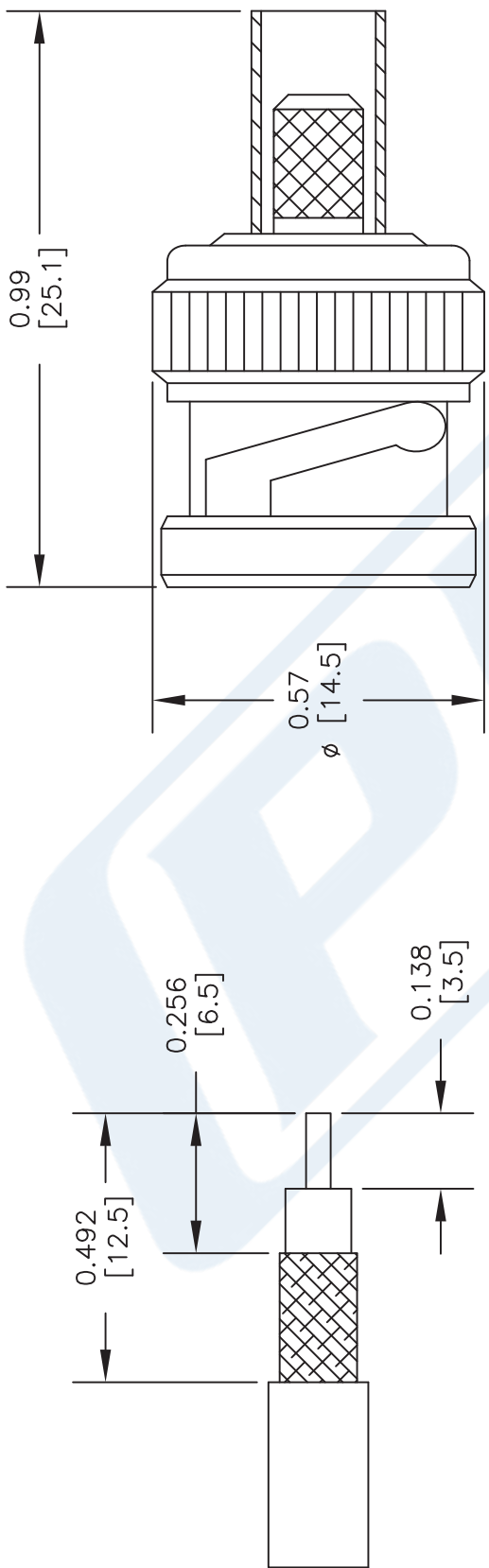
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Crimp Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100 PE45045](#)

URL: <https://www.pasternack.com/bnc-male-.100-rg316-rg188-lmr-100-lmr-100-connector-pe45045-p.aspx>

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PE45045 CAD Drawing

BNC Male Connector Crimp/Crimp Attachment for .100 inch, RG316, RG174, RG188, LMR-100, LMR-100, LMR-100-FR, PE-C100, PE-B100



STRIPPING DIMENSIONS  
CRIMP SIZE REQUIRED  
CONTACT: 0.042" SQ. CRIMP TOOL  
FERRULE: 0.138" HEX. CRIMP TOOL

**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE  
Pasternack Enterprises, Inc.  
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Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE  
**PE45045**

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.

CAGE CODE 53919

CAD FILE 021617

SCALE N/A

SIZE A

2233

Flexible RG188 Coax Cable Single  
Shielded with White PTFE Jacket

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

**RG188A/U**

**Configuration**

- Flexible Cable
- 1 Shield(s)

**Electrical Specifications**

| Description                          | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Frequency Range                      | DC      |         | 3       | GHz   |
| Impedance                            |         | 50      |         | Ohms  |
| Dielectric Withstanding Voltage (AC) |         |         | 2,000   | Vrms  |

**Performance by Frequency Band**

| Description      | F1    | F2 | F3 | F4 | F5 | Units    |
|------------------|-------|----|----|----|----|----------|
| Frequency        | 400   |    |    |    |    | MHz      |
| Attenuation, Typ | 20    |    |    |    |    | dB/100ft |
|                  | 65.62 |    |    |    |    | dB/100m  |

**Mechanical Specifications**

|          |                          |
|----------|--------------------------|
| Diameter | 0.11 in [2.79 mm]        |
| Weight   | 0.011 lbs/ft [0.02 Kg/m] |

**Construction Specifications**

| Description     | Material and Plating                         | Diameter           |
|-----------------|----------------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 7 Strands         | 0.02 in [0.51 mm]  |
| Conductor Type  | Stranded                                     |                    |
| Dielectric      | PTFE                                         | 0.06 in [1.52 mm]  |
| First Shield    | Silver Plated Copper Braid<br>95.2% coverage | 0.081 in [2.06 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U](#)

## Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket

### RF Cables Technical Data Sheet

**RG188A/U**

|        |             |                   |
|--------|-------------|-------------------|
| Jacket | PTFE, White | 0.11 in [2.79 mm] |
|--------|-------------|-------------------|

#### Environmental Specifications

##### Temperature

Operating Range -55 to +250 deg C

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

#### Plotted and Other Data

Notes:

Flexible RG188 Coax Cable Single Shielded with White PTFE 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.

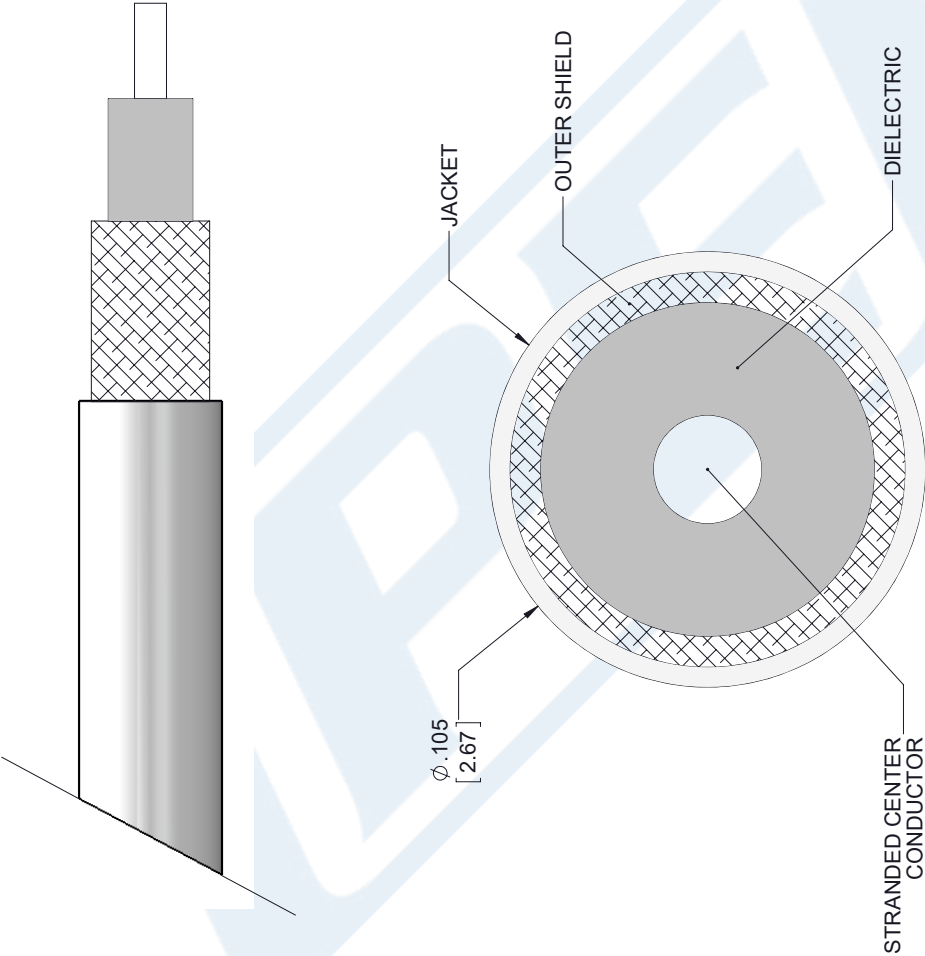
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket RG188A/U](#)

URL: <https://www.pasternack.com/50-ohm-flexible-rg188au-ptfe-jacket-silver-plated-copper-braid-outer-conductor-single-shielded-white-rg188a-u-p.aspx>

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RG188A/U CAD Drawing

Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket



SECTION VIEW

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

RG188A/U

CAGE CODE 53919

NOTES:  
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2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
3. DIMENSIONS ARE IN INCHES [mm].

CAD FILE 091817

SCALE N/A

SIZE A

7361