



## SSMB Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG179, RG316, RG188, .126 inch D Hole

### TECHNICAL DATA SHEET

**PE4336**

#### SSMB Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG179, RG316, RG188, .126 inch D Hole

##### Configuration

|                                          |                            |
|------------------------------------------|----------------------------|
| Connector                                | SSMB Jack                  |
| Connector Interface Type                 | RG174, RG179, RG316, RG188 |
| Cable Attachment Method (Shield/Contact) | Crimp/Solder               |
| Body Style                               | Straight                   |
| Mount Method                             | Bulkhead                   |

##### Electrical Specifications

|                 |    |
|-----------------|----|
| Impedance, Ohms | 50 |
|-----------------|----|

##### Mechanical Specifications

###### Size

|                     |              |
|---------------------|--------------|
| Length, in [mm]     | 0.81 [20.57] |
| Width/Dia., in [mm] | 0.188 [5]    |
| Weight, lbs [g]     | 0.004 [1.81] |

###### Connector

|                              |             |
|------------------------------|-------------|
| Type                         | SSMB Jack   |
| Contact Material and Plating | Gold        |
| Body Material and Plating    | Brass, Gold |
| Dielectric Type              | PTFE        |

##### Compliance Certifications (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                |     |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

##### Plotted and Other Data

|        |                            |
|--------|----------------------------|
| Notes: | Values at 25 °C, sea level |
|--------|----------------------------|

SSMB Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG179, RG316, RG188, .126 inch D Hole from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

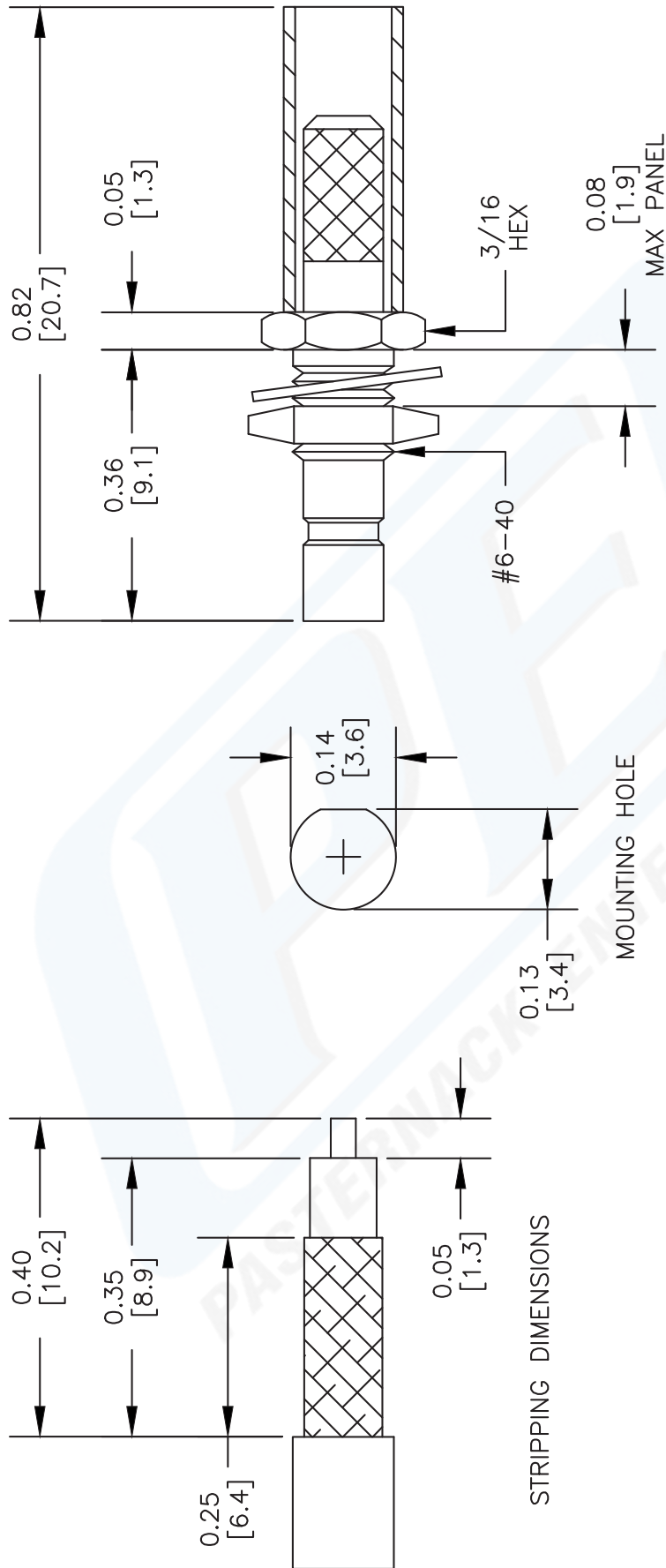
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SSMB Jack Bulkhead Connector Crimp/Solder Attachment For RG174, RG179, RG316, RG188, .126 inch D Hole PE4336](http://www.pasternack.com/ssmb-jack-standard-rg174-rg179-rg316-rg188-connector-pe4336-p.aspx)

URL: <http://www.pasternack.com/ssmb-jack-standard-rg174-rg179-rg316-rg188-connector-pe4336-p.aspx>

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# PE4336 CAD Drawing

SSMB Jack Bulkhead Connector Crimp/Solder Attachment For  
RG174, RG179, RG316, RG188, .126 inch D Hole



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.

DWG TITLE  
**PE4336**

REV. - FSCM NO. 53919 CAD FILE 111802 SCALE N/A SIZE A 2233

**Pasternack Enterprises, Inc.**  
P.O. Box 16759 | Irvine | CA | 92623  
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MCX Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

## RF Connectors Technical Data Sheet

**PE4553**

### Configuration

- MCX Plug Connector
- CECC 22220
- 50 Ohms
- Right Angle Body Geometry
- RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch Interface Type
- Crimp/Solder Attachment

### Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.35:1
- Gold Plated Brass Contact
- 30  $\mu$ m minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4553 MCX plug right angle connector with crimp/solder attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100 and 0.100 inch is part of our full line of RF components available for same-day shipping. Our MCX plug connector operates up to a maximum frequency of 3 GHz and offers good VSWR of 1.35:1. Its right angle body geometry allows for easier connections in tight spaces.

Our MCX plug right angle connector PE4553 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                   |         |         | 1.35:1  |       |
| Operating Voltage (AC) |         |         | 250     | Vrms  |

### Mechanical Specifications

#### Size

|            |                    |
|------------|--------------------|
| Length     | 0.54 in [13.72 mm] |
| Width/Dia. | 0.197 in [5.00 mm] |
| Height     | 0.339 in [8.61 mm] |
| Weight     | 0.009 lbs [4.08 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4553](#)



MCX Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch

## RF Connectors Technical Data Sheet

**PE4553**

### Material Specifications

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

### Environmental Specifications

#### Temperature

Operating Range

-40 to +60 deg C

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

### Plotted and Other Data

Notes:

MCX Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch 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.

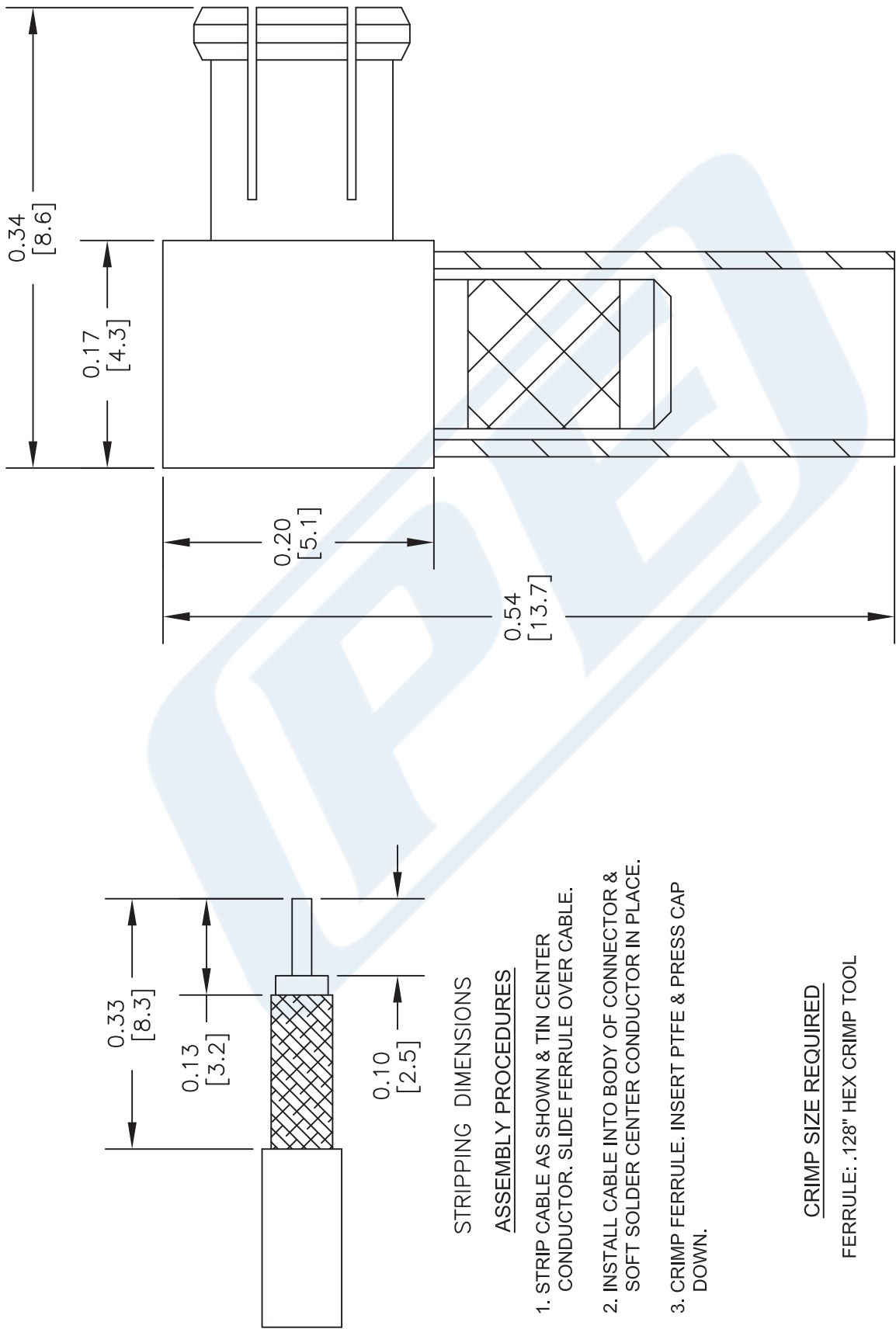
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MCX Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch PE4553](#)

URL: <https://www.pasternack.com/mcx-plug-standard-rg174-rg316-rg188-connector-pe4553-p.aspx>

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PE4553 CAD Drawing

MCX Plug Right Angle Connector Crimp/Solder Attachment for RG174, RG316, RG188, LMR-100, PE-B100, PE-C100, 0.100 inch



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3. DIMENSIONS ARE IN INCHES [mm].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE  
**PE4553**

FSCM NO. 53919

2233

**PE PASTERNAK®**  
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Website: www.pasternack.com | E-Mail: sales@pasternack.com

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



### RG188A/U

#### Configuration

- Flexible Cable
- 1 Shield(s)

#### Features

- High temperature 50 Ohm data signal transmission
- Teflon taped outer jacket results in a 200 degree C operating temperature
- Stranded center conductor allows cable to be very flexible
- Small diameter is ideal for tight fit applications
- Associated connectors and crimp tools available

#### Applications

- Ethernet
- Data
- Premise Wiring
- R&D

#### Description

RG188 coax cable from Pasternack is only one of a large number of radio frequency twinaxial and coaxial cable types specifically stocked to be ready for quick shipment. Pasternack's RG188A/U coax cable is manufactured in a flexible design and has a 50 Ohm impedance. This flexible 50 Ohm coax cable RG188 is constructed with a 0.11 inch diameter and PTFE jacket.

RG188 RG188A/U flexible 50 Ohm coax cable with PTFE jacket is rated for a 3 GHz maximum operating frequency. This 50 Ohm 0.11 inch diameter and flexible coax cable is built with a shield count of 1.

Pasternack's RG188 coax is constructed with PTFE dielectric and a maximum operating temperature of 250 degrees C. RG188 coax cable specs for this wire properties can be found on its RF coax cable RG-188 datasheet PDF specifications above.

RG188 cable is part of more than one million RF, microwave and millimeter wave parts in stock at Pasternack. This RG-188 coax cable is ready to buy and can be shipped worldwide. Pasternack also maintains a wide selection of other radio frequency twinaxial and coaxial cable types that ship same-day from our warehouse as with the rest of our other RF/microwave and millimeter wave components.

#### Electrical Specifications

| Description                          | Minimum | Typical     | Maximum      | Units        |
|--------------------------------------|---------|-------------|--------------|--------------|
| Frequency Range                      | DC      |             | 3            | GHz          |
| Impedance                            |         | 50          |              | Ohms         |
| Velocity of Propagation              |         | 70          |              | % of c       |
| Time Delay                           |         | 1.45 [4.76] |              | ns/ft [ns/m] |
| Dielectric Withstanding Voltage (AC) |         |             | 2,000        | Vrms         |
| Inner Conductor DC Resistance        |         |             | 84.1         | Ohms/1000ft  |
| Nominal Capacitance                  |         |             | 29.3 [96.13] | pF/ft [pF/m] |
| Power@ 1GHz                          |         |             | 160          | Watts        |

#### Performance by Frequency Band

| Description | F1  | F2 | F3 | F4 | F5 | Units |
|-------------|-----|----|----|----|----|-------|
| Frequency   | 400 |    |    |    |    | MHz   |

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



### RG188A/U

#### Performance by Frequency Band

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

Electrical Specification Notes:

Static Bending Radius: One Time: 0.52 inch, repeated: 1.03

#### Mechanical Specifications

|          |                         |
|----------|-------------------------|
| Diameter | 0.11 in [2.79 mm]       |
| Weight   | 0.01 lbs/ft [0.01 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           | 0.081 in [2.06 mm] |
|                 | 95.2% coverage                       |                    |
| Jacket          | PTFE, White                          | 0.11 in [2.79 mm]  |

#### Environmental Specifications

|                 |                  |
|-----------------|------------------|
| Temperature     |                  |
| Operating Range | -55 to 200 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



### RG188A/U

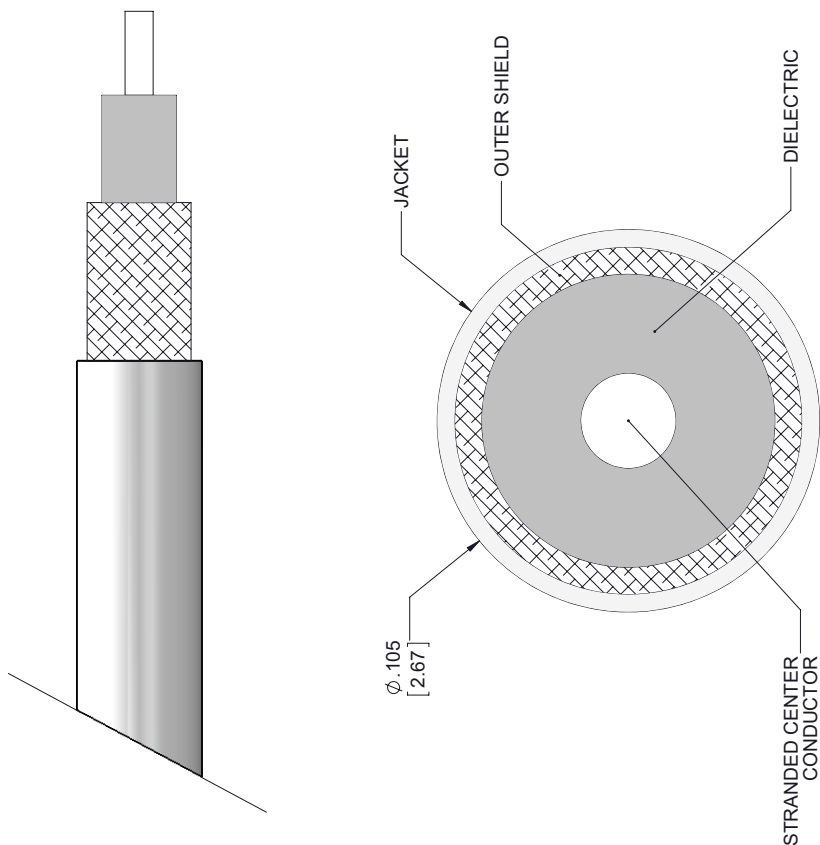
Flexible RG188 Coax Cable Single Shielded with White PTFE Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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



**SECTION VIEW**

STANDARD TOLERANCES

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES


**PASTERNAK®**  
 THE ENGINEER'S REF SOURCE

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**DWG TITLE**

RG188A/U

CAGE CODE 53919

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**CAD FILE** 091817

SCALE N/A

**SIZE A**

7361