



## TNC Male Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

**PE4047**

#### Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG55, RG142, RG223, RG400

#### Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4047 TNC male connector with crimp/crimp attachment for RG55, RG142, RG223 and RG400 is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.5:1.

Our TNC male connector PE4047 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      |         | 6       | GHz   |
| VSWR                   |         |         | 1.5:1   |       |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

#### Mechanical Specifications

|             |                     |
|-------------|---------------------|
| <b>Size</b> |                     |
| Length      | 1.097 in [27.86 mm] |
| Width/Dia.  | 0.571 in [14.50 mm] |
| Weight      | 0.033 lbs [14.97 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400 PE4047](#)



## TNC Male Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400

### RF Connectors Technical Data Sheet

**PE4047**

#### 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 |
| Crimp Sleeve | Brass    | Nickel                    |

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 deg C

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

#### Plotted and Other Data

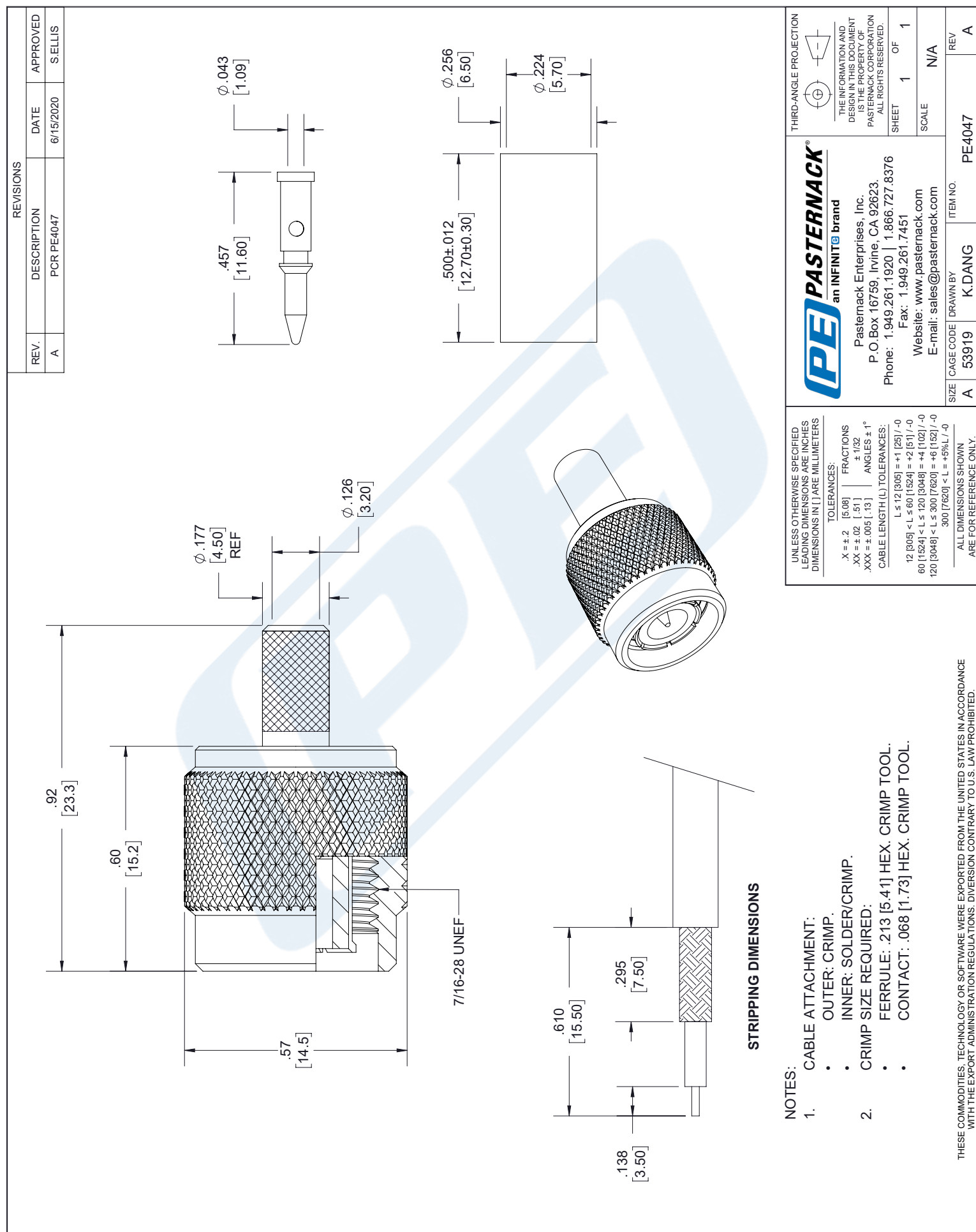
Notes:

TNC Male Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400 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: [TNC Male Connector Crimp/Crimp Attachment for RG55, RG142, RG223, RG400 PE4047](#)

URL: <https://www.pasternack.com/tnc-male-rg55-rg142-rg223-rg400-connector-pe4047-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.





BNC Female Connector Clamp/Solder Attachment  
for RG58, RG55, RG141, RG142, RG223, RG400,  
RG303, PE-C195, PE-P195, LMR-195

## RF Connectors Technical Data Sheet

**PE4058**

### Configuration

- BNC Female Connector
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

### Features

- Max. Operating Frequency 4 GHz
- Good VSWR of 1.4:1

- Gold Plated Brass Contact

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4058 BNC female connector with clamp/solder attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195 and LMR-195 is part of our full line of RF components available for same-day shipping. Our BNC female connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.4:1.

Our BNC female connector PE4058 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   |
| VSWR                   |         |         | 1.4:1   |       |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

### Mechanical Specifications

#### Size

Length

1.13 in [28.7 mm]

Width/Dia.

0.57 in [14.48 mm]

Weight

0.04 lbs [18.14 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4058](#)



BNC Female Connector Clamp/Solder Attachment  
for RG58, RG55, RG141, RG142, RG223, RG400,  
RG303, PE-C195, PE-P195, LMR-195

## RF Connectors Technical Data Sheet

**PE4058**

### Material Specifications

| Description | Material | Plating |
|-------------|----------|---------|
| Contact     | Brass    | Gold    |
| Insulation  | PTFE     |         |
| Body        | Brass    | Nickel  |

### Mechanical Specification Notes:

When attaching the connector to the cable use a clamp torque value of 26 to 30 in-lbs [2.94 to 3.39 Nm]

### Environmental Specifications

#### Temperature

Operating Range -65 to +165 deg C

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

### Plotted and Other Data

Notes:

BNC Female Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 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 Female Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195 PE4058](#)

URL: <https://www.pasternack.com/bnc-female-standard-rg58-rg55-rg141-rg142-rg223-rg400-connector-pe4058-p.aspx>

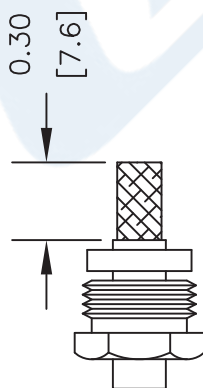
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# PE4058 CAD Drawing

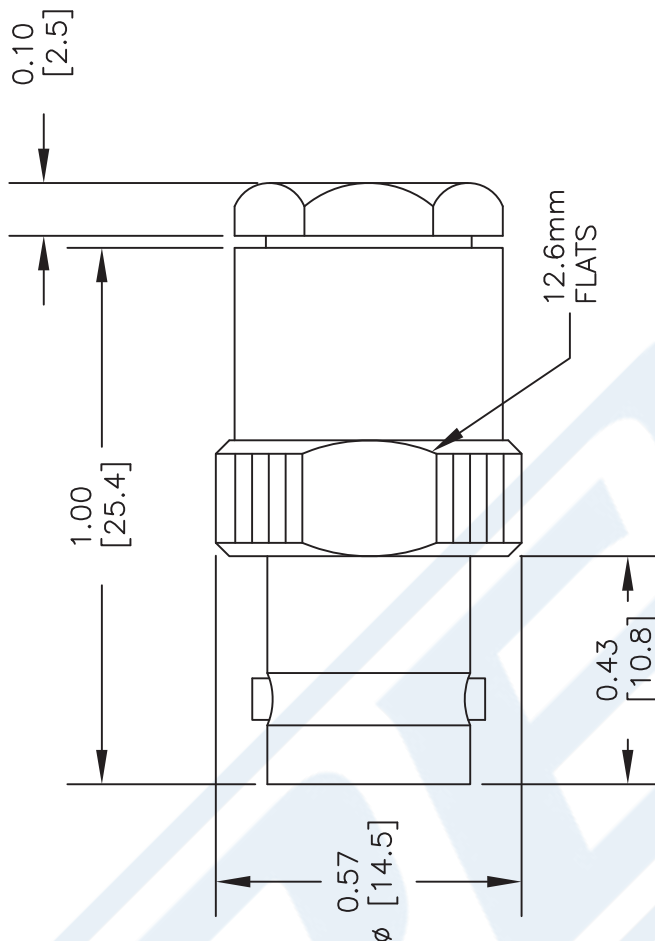
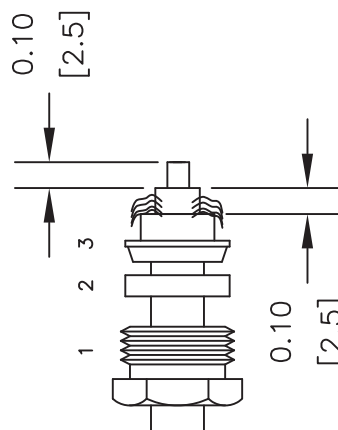
BNC Female Connector Clamp/Solder Attachment for RG58, RG55, RG141, RG142, RG223, RG400, RG303, PE-C195, PE-P195, LMR-195

## ASSEMBLY PROCEDURES

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



2. FORM BRAID OVER CLAMP NUT (3). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



### STANDARD TOLERANCES

|      |       |
|------|-------|
| .X   | ±0.2  |
| .XX  | ±0.1  |
| .XXX | ±0.05 |

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

### 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].

DWG TITLE

**PE4058**

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

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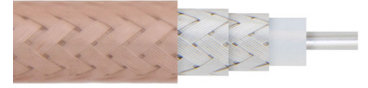
FSCM NO. 53919

CAD FILE 042616

SCALE N/A

SIZE A

3045



## Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**RG142B/U**

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Electrical Specifications

| Description                          | Minimum | Typical        | Maximum | Units        |
|--------------------------------------|---------|----------------|---------|--------------|
| Frequency Range                      | DC      |                | 8       | GHz          |
| Impedance                            |         | 50             |         | Ohms         |
| Velocity of Propagation              |         | 70             |         | %            |
| Shielding Effectiveness              | 70      |                |         | dB           |
| Operating Voltage (AC)               |         |                | 1,900   | Vrms         |
| Dielectric Withstanding Voltage (DC) |         |                | 5,000   | Vdc          |
| Inner Conductor DC Resistance        |         |                | 65      | Ohms/1000ft  |
| Outer Conductor DC Resistance        |         |                | 9       | Ohms/1000ft  |
| Nominal Capacitance                  |         | 96.45 [316.44] |         | pF/ft [pF/m] |
| Insulation Resistance                | 5,000   |                |         | MOhms/1000ft |
| Power@ 1GHz                          |         |                | 395     | Watts        |

#### Performance by Frequency Band

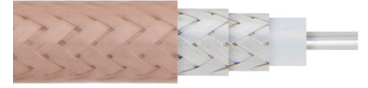
| Description      | F1   | F2    | F3    | F4    | F5     | Units    |
|------------------|------|-------|-------|-------|--------|----------|
| Frequency        | 0.1  | 0.4   | 1     | 3     | 5      | GHz      |
| Attenuation, Typ | 3.9  | 7.9   | 12.9  | 23.9  | 32.1   | dB/100ft |
|                  | 12.8 | 25.92 | 42.32 | 78.41 | 105.31 | dB/100m  |

| Description      | F6     | F7     | F8 | F9 | F10 | Units    |
|------------------|--------|--------|----|----|-----|----------|
| Frequency        | 6      | 8      |    |    |     | GHz      |
| Attenuation, Typ | 36.86  | 44.17  |    |    |     | dB/100ft |
|                  | 120.93 | 144.91 |    |    |     | dB/100m  |

#### Mechanical Specifications

|          |                          |
|----------|--------------------------|
| Diameter | 0.195 in [4.95 mm]       |
| Weight   | 0.042 lbs/ft [0.06 kg/m] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)



## Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

### RF Cables Technical Data Sheet

**RG142B/U**

|                                 |                    |
|---------------------------------|--------------------|
| Min. Bend Radius (Installation) | 0.98 in [24.89 mm] |
| Min. Bend Radius (Repeated)     | 1.97 in [50.04 mm] |

#### Construction Specifications

| Description     | Material and Plating                | Diameter           |
|-----------------|-------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 1 Strand | 0.037 in [0.94 mm] |
| Conductor Type  | Solid                               |                    |
| Dielectric      | PTFE                                | 0.116 in [2.95 mm] |
| First Shield    | Silver Plated Copper Braid          | [ ]                |
| Second Shield   | Silver Plated Copper Braid          | 0.156 in [3.96 mm] |
| Jacket          | FEP, Tan                            | 0.195 in [4.95 mm] |

#### Environmental Specifications

##### Temperature

|                    |                           |
|--------------------|---------------------------|
| Operating Range    | -55 to +200 deg C         |
| Installation Range | -20 to +50 deg C          |
| Storage Range      | 0 to +40 deg C            |
| Humidity           | 0 - 80% Relative Humidity |

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

#### Plotted and Other Data

Notes:

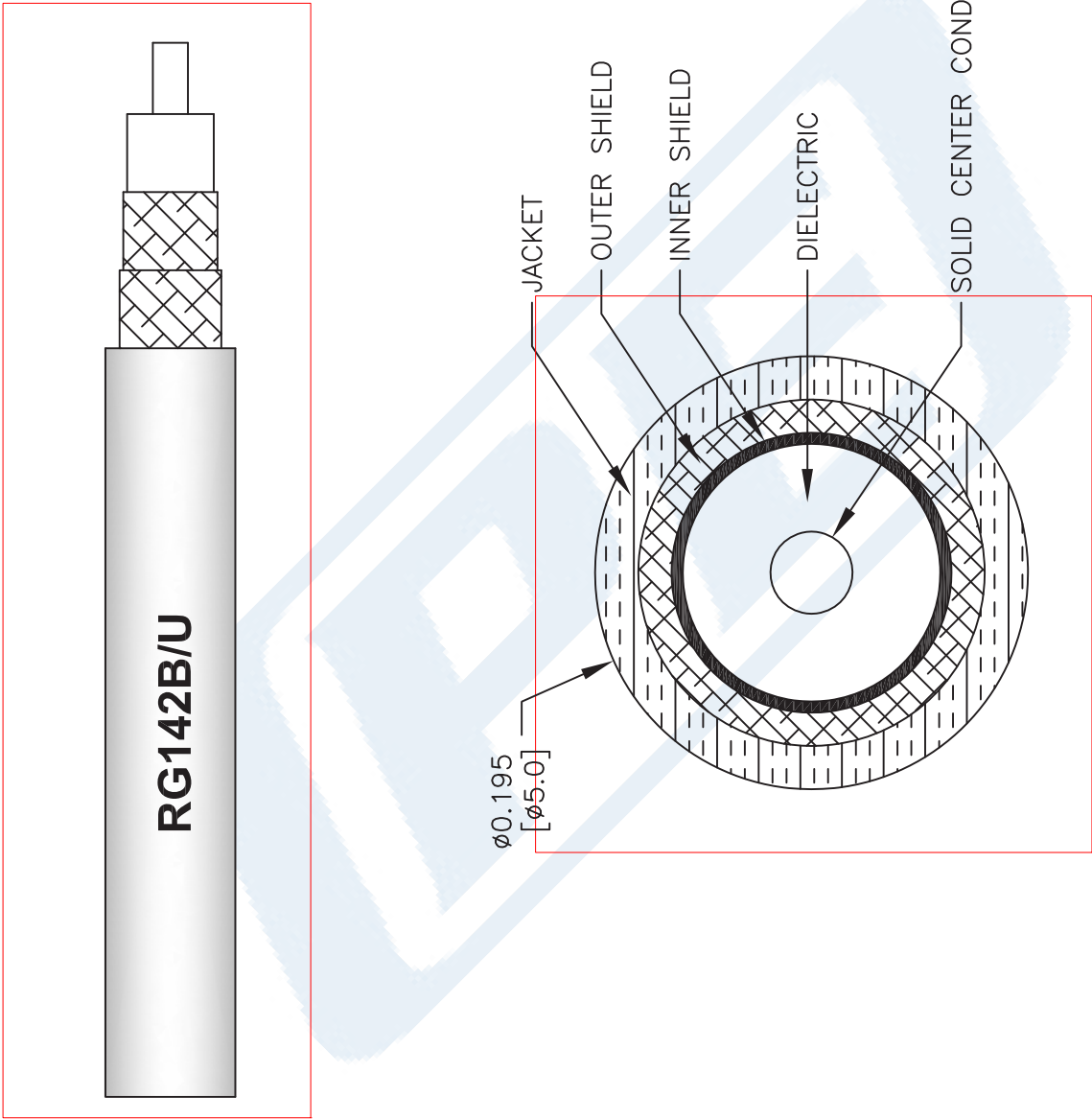
Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket RG142B/U](#)

URL: <https://www.pasternack.com/flexible-0.195-rg142-50-ohm-coax-cable-fep-jacket-rg142b-u-p.aspx>

RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



NOTES:  
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DWG TITLE

RG142B/U

FSCM NO. 53919

CAD FILE 111716

SCALE N/A

SIZE A

41742

**PE**

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THE ENGINEER'S RF SOURCE

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