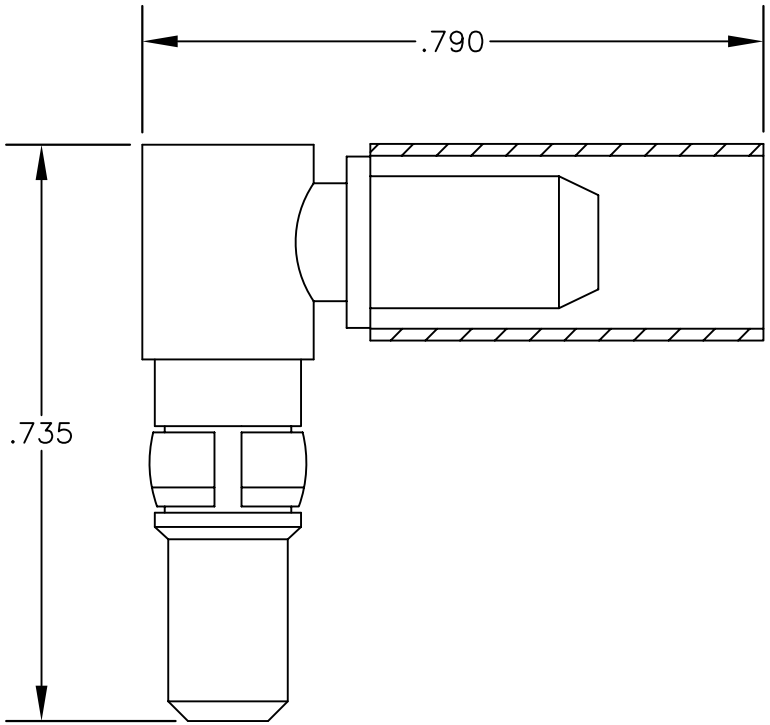
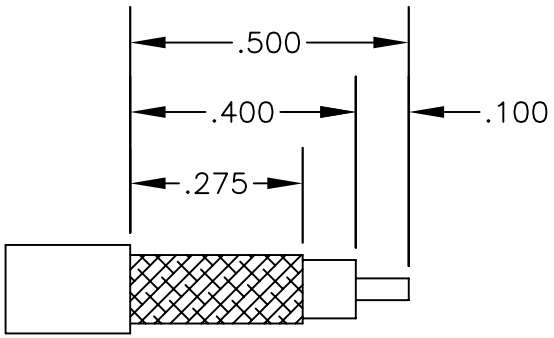
| MATERIALS | |
|---|---|
| BODY | BRASS GOLD PLATED |
| CONTACT | GOLD PLATED |
| INSULATOR | PTFE |
| | |




STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOFT SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & SOLDER CAP IN PLACE.

CRIMP SIZE REQUIRED

FERRULE: .213" HEX CRIMP TOOL

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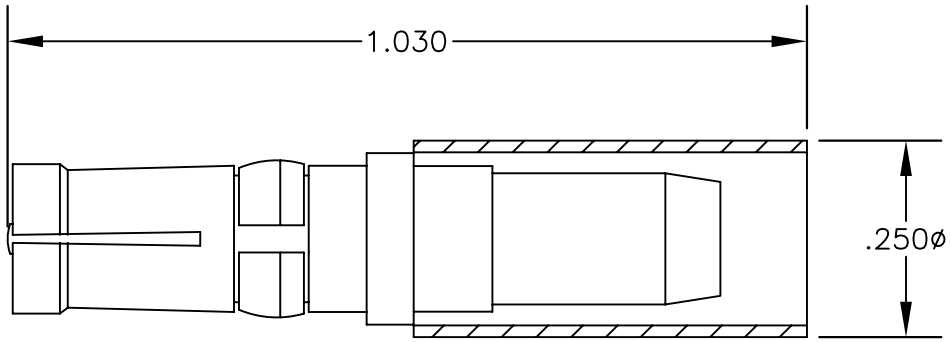
DWG TITLE
**PE44035**

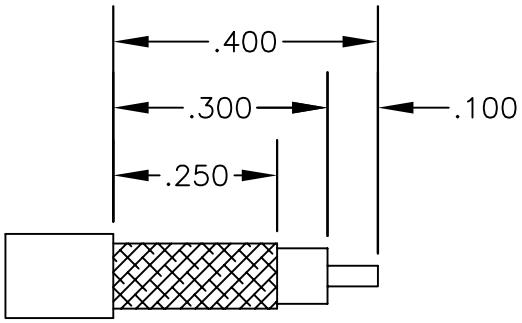
DES. D SUBMINIATURE PLUG RIGHT ANGLE, CRIMP ATTACHMENT FOR RG55, RG142, RG223 & RG400

| SIZE A | FSCM NO. 53919 | CAD FILE 062402 | SCALE N/A | | 127 |
|---|---|---|---|---|---|

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.

| MATERIALS | |
|---|---|
| BODY | BRASS GOLD PLATED |
| CONTACT | GOLD PLATED |
| INSULATOR | PTFE |
| | |




STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

1. SLIDE FERRULE ONTO CABLE STRIP CABLE AS SHOWN & TIN CENTER CONDUCTOR.
2. INSERT DIELECTRIC AND CENTER CONDUCTOR INTO BODY. SOLDER CENTER CONDUCTOR THROUGH HOLE IN BODY. REMOVE EXCESS SOLDER. SLIDE FERRULE FORWARD & CRIMP.

CRIMP SIZE REQUIRED

FERRULE: .213" HEX CRIMP TOOL

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| DWG TITLE | DES. |
|---|---|
| PE4837 | D SUBMINIATURE STRAIGHT RECEPTACLE, CRIMP ATTACHMENT FOR RG55, RG142, RG223 & RG400 |

| SIZE A | FSCM NO. 53919 | CAD FILE 061002 | SCALE N/A | | 127 |
|---|---|---|---|---|---|

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.

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# Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



## TECHNICAL DATA SHEET RG142B/U

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket

### Configuration

| | |
|---|---|
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Shield Materials | Silver Plated Copper Braid, Silver Plated Copper Braid |
| Jacket Material and Color | FEP, Tan |

### Electrical Specifications

| | |
|---|---|
| Impedance, Ohms | 50 |
| Velocity of Propagation, % | 69.2 |
| Maximum Operating Frequency, GHz | 8 |
| RF Shielding, dB | 90 |
| Capacitance, pF/ft [pF/m] | 29.4 [96.46] |
| Maximum Operating Voltage, Volts | 1,900 |

#### Electrical Specifications by Frequency

**Frequency 1**

| | |
|---|---|
| Frequency, MHz | 100 |
| Attenuation, dB/100ft [dB/100m] | 3.9 [12.8] |

**Frequency 2**

| | |
|---|---|
| Frequency, MHz | 1000 |
| Attenuation, dB/100ft [dB/100m] | 13 [42.65] |

**Frequency 3**

| | |
|---|---|
| Frequency, GHz | 3 |
| Attenuation, dB/100ft [dB/100m] | 23.8 [78.08] |

**Frequency 4**

| | |
|---|---|
| Frequency, GHz | 5 |
| Attenuation, dB/100ft [dB/100m] | 36 [118.11] |

### Mechanical Specifications

**Temperature**

| | |
|---|---|
| Operating Range, deg C | -55 to +200 |

**Inner Conductor**

| | |
|---|---|
| Number of Strands | 1 |
| Material | Copper Clad Steel |
| Plating | Silver |
| Diameter, in [mm] | 0.037 [0.94] |

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

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.

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**Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451
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# Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket



## TECHNICAL DATA SHEET RG142B/U

**Dielectric:**

| | |
|---|---|
| Type | PTFE |
| Diameter, in [mm] | 0.116 [2.95] |

**Shield:**

| | |
|---|---|
| Number of | 2 |
| Material 1 | Silver Plated Copper Braid |
| Material 2 | Silver Plated Copper Braid |
| Diameter, in [mm] | 0.156 [3.96] |

**Jacket:**

| | |
|---|---|
| Material | FEP |
| Diameter, in [mm] | 0.195 [4.95] |
| Color | Tan |
| One Time Minimum Bend Radius, in [mm] | 0.984 [24.99] |
| Repeated Minimum Bend Radius, in [mm] | 2 [50.8] |
| Weight, lbs/ft [Kg/m] | 0.046 [0.07] |

**Compliance Certifications** (visit www.Pasternack.com for current document)

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

**Plotted and Other Data**

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

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

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 fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

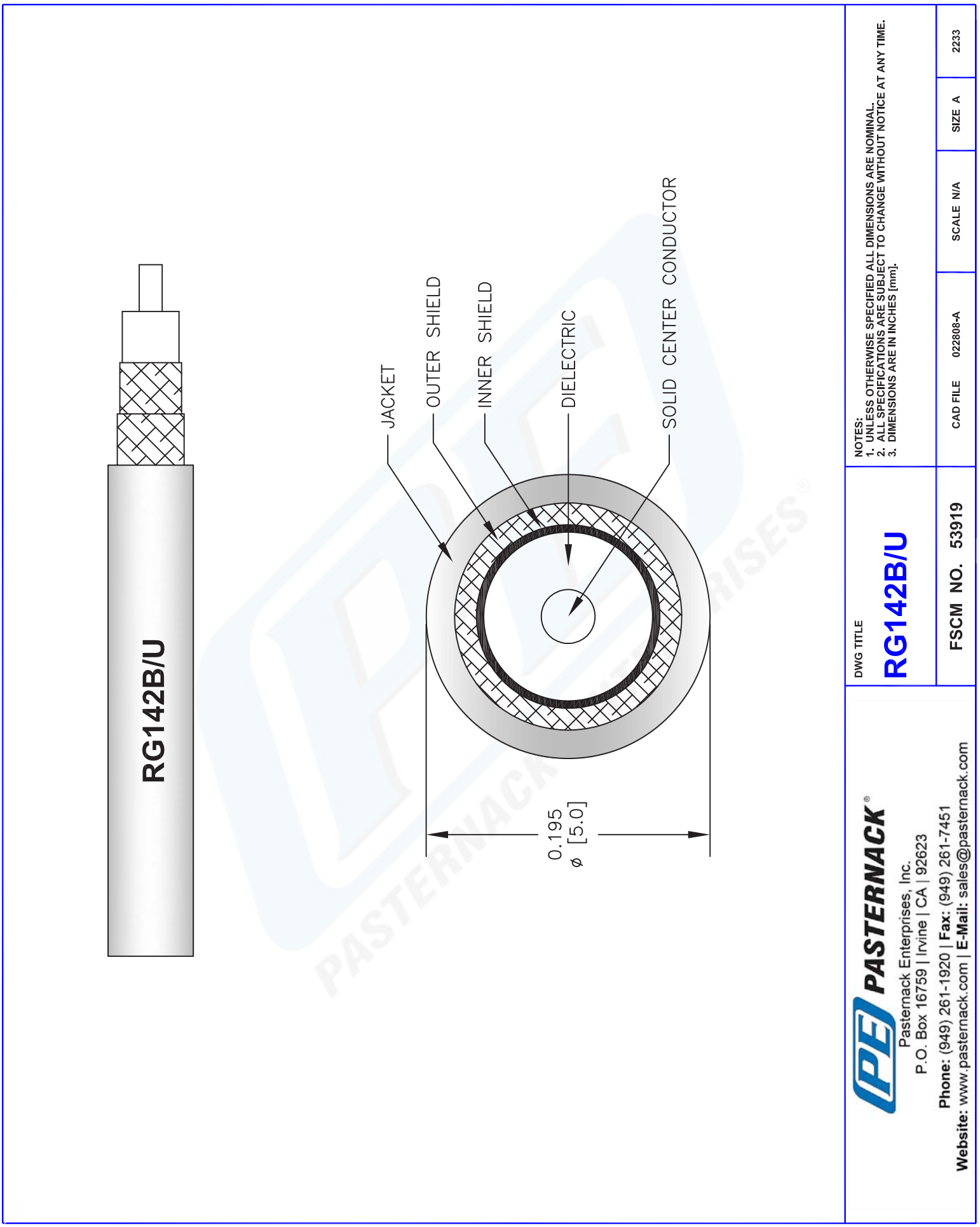
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# RG142B/U CAD Drawing

Flexible RG142 Coax Cable Double Shielded with Tan FEP Jacket




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