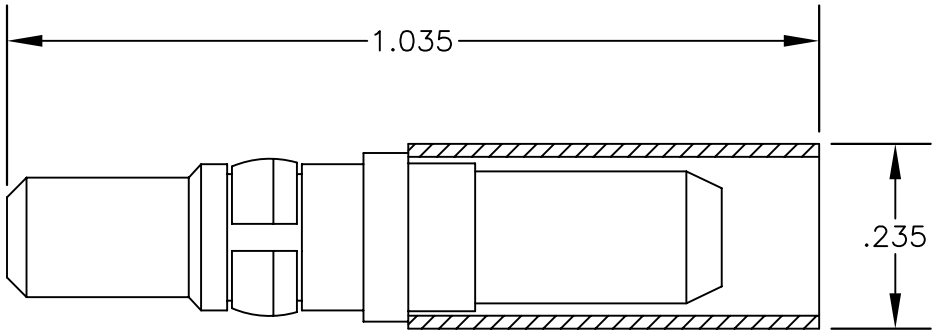
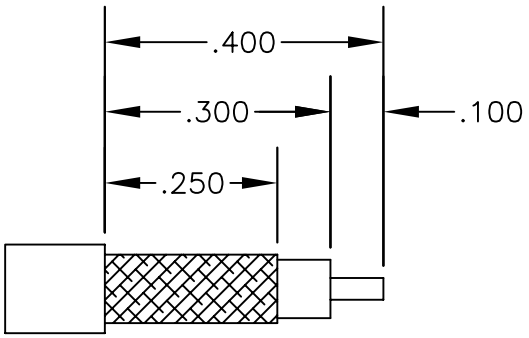
| MATERIALS | |
|---|---|
| BODY | BRASS GOLD PLATED |
| CONTACT | GOLD PLATED |
| INSULATOR | PTFE |
| | |




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 & SOLDER BRAID THROUGH HOLE IN FERRULE.

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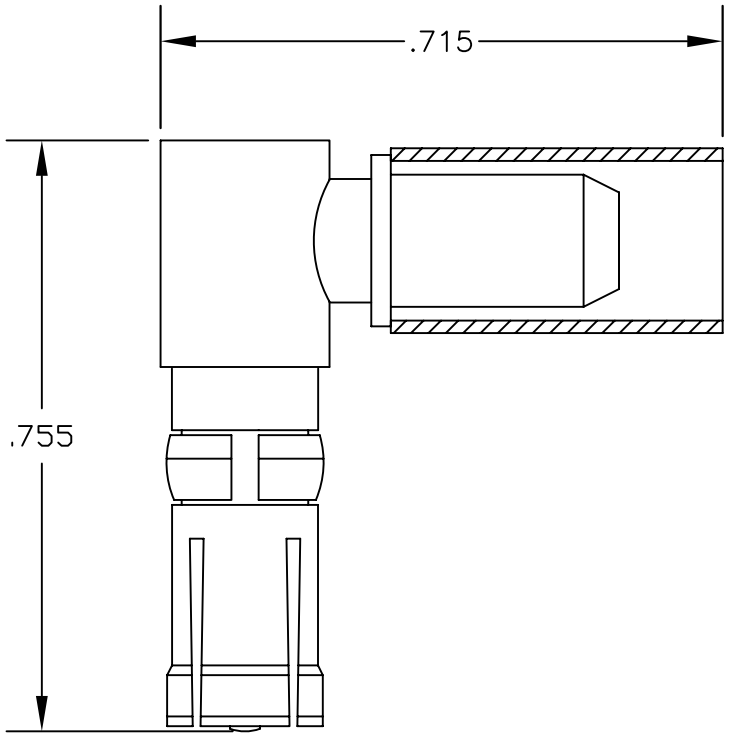
COAXIAL & FIBER OPTICS

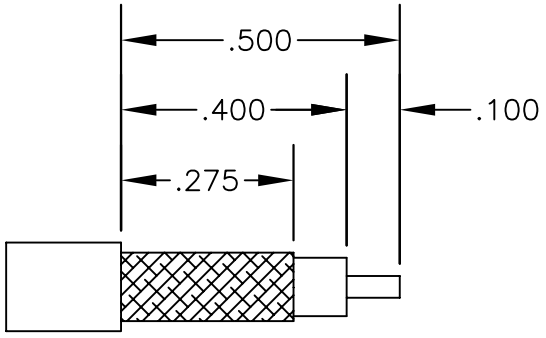
| DWG TITLE | DES. |
|---|---|
| PE4843 | D SUBMINIATURE STRAIGHT PLUG, SOLDER ATTACHMENT FOR RG55, RG142, RG223 & RG400 |

| SIZE A | FSCM NO. 53919 | CAD FILE 061102 | 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. STRIP CABLE AS SHOWN & SLIDE FERRULE OVER CABLE.
2. INSTALL CABLE INTO BODY OF CONNECTOR AND SOLDER CENTER CONDUCTOR IN PLACE.
3. CRIMP FERRULE & SOLDER CAP IN PLACE.

CRIMP SIZE REQUIRED

FERRULE: .213" HEX CRIMP TOOL

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COAXIAL & FIBER OPTICS

DWG TITLE **PE4847**

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

| SIZE A | FSCM NO. 53919 | CAD FILE 061102 | SCALE N/A | | 127 |
|---|---|---|---|---|---|

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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# 53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

## TECHNICAL DATA SHEET RG55B/U

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

### Configuration

| | |
|---|---|
| Inner Conductor Material and Plating | Copper, Silver |
| Dielectric Type | PE |
| Shield Materials | Tinned Copper Braid, Tinned Copper Braid |
| Jacket Material and Color | PE, Black |

### Electrical Specifications

| | |
|---|---|
| Impedance, Ohms | 53 |
| Velocity of Propagation, % | 66 |
| Maximum Operating Frequency, GHz | 3 |
| Capacitance, pF/ft [pF/m] | 28.8 [94.49] |

**Electrical Specifications by Frequency**

**Frequency 1**

| | |
|---|---|
| Frequency, MHz | 10 |
| Attenuation, dB/100ft [dB/100m] | 1.35 [4.43] |

**Frequency 2**

| | |
|---|---|
| Frequency, MHz | 100 |
| Attenuation, dB/100ft [dB/100m] | 4.3 [14.11] |

**Frequency 3**

| | |
|---|---|
| Frequency, MHz | 1000 |
| Attenuation, dB/100ft [dB/100m] | 16.5 [54.13] |

**Frequency 4**

| | |
|---|---|
| Frequency, GHz | 3 |
| Attenuation, dB/100ft [dB/100m] | 32 [104.99] |

### Mechanical Specifications

**Inner Conductor**

| | |
|---|---|
| Number of Strands | 1 |
| Material | Copper |
| Plating | Silver |
| Diameter, in [mm] | 0.032 [0.81] |

**Dielectric:**

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

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket RG55B/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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# 53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket

## TECHNICAL DATA SHEET RG55B/U

| | |
|---|---|
| **Shield:** | |
| Number of | 2 |
| Material 1 | Tinned Copper Braid |
| Material 2 | Tinned Copper Braid |
| **Jacket:** | |
| Material | PE |
| Diameter, in [mm] | 0.202 [5.13] |
| Color | Black |
| Weight, lbs/ft [Kg/m] | 0.035 [0.05] |

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

**Plotted and Other Data**

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

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE 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.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket RG55B/U

URL: http://www.pasternack.com/flexible-0.206-rg55-53.5-ohm-coax-cable-pe-jacket-rg55b-u-p.aspx

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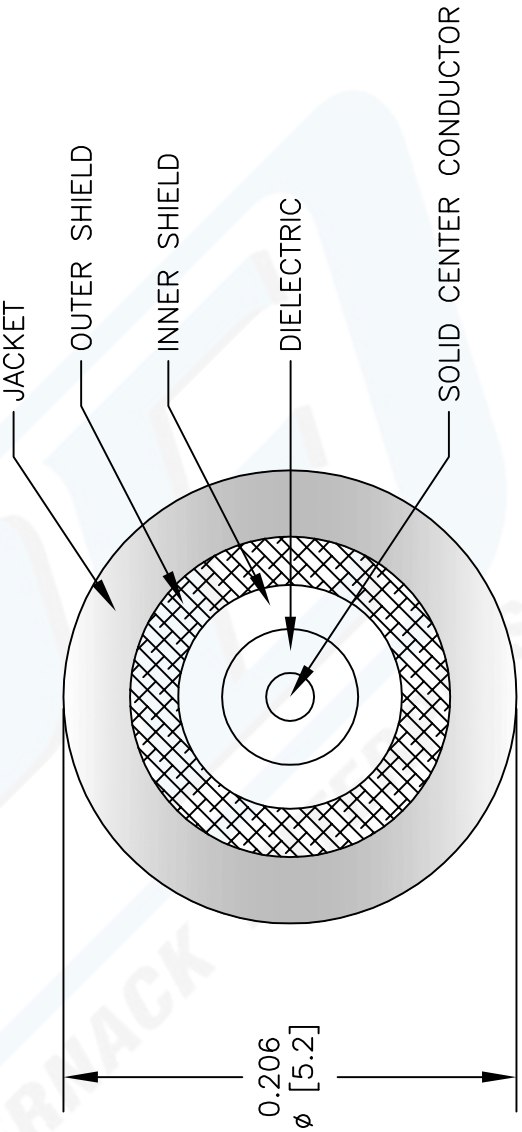
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# RG55B/U CAD Drawing

53 Ohm Flexible RG55 Coax Cable Double Shielded with Black PE Jacket




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 **RG55B/U**

REV. A | FSCM NO. 53919 | CAD FILE 040113-A | SCALE N/A | SIZE A | 147

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