PASTERNACK®
THE ENGINEER'S RF SOURCE

# 75 Ohm F Male Right Angle Connector Crimp/ Solder Attachment for RG6-CATV

## RF Connectors Technical Data Sheet PE44320

## Configuration

- F Male Connector
- 75 Ohms
- Right Angle Body Geometry
- RG6-CATV Interface Type
- Crimp/Solder Attachment
- 7/16 inch Hex

## Features

- Max. Operating Frequency 2 GHz
- Excellent VSWR of 1.23:1
- Gold Plated Brass Contact

## Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE44320 75 ohm type F male right angle connector crimp/solder attachment for RG6-CATV is part of our full line of RF components available for same-day shipping. Our type F male connector operates up to a maximum frequency of 2 GHz and offers excellent VSWR of 1.23:1. Its right angle body geometry allows for easier connections in tight spaces.

Our 75 ohm type F male right angle connector PE44320 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 connector assemblies for you and ship same-day.

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | DC | | 2 | GHz |
| VSWR | | | 1.23:1 | |

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 0.87 in [22.1 mm] |
| Width/Dia. | 0.438 in [11.13 mm] |
| Height | 1 in [25.4 mm] |
| Weight | 0.046 lbs [20.87 g] |
| Mating Torque | 12 to 15 in-lbs [1.36 to 1.70 Nm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 75 Ohm F Male Right Angle Connector Crimp/Solder Attachment for RG6-CATV PE44320

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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# 75 Ohm F Male Right Angle Connector Crimp/ Solder Attachment for RG6-CATV



### Material Specifications

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

75 Ohm F Male Right Angle Connector Crimp/Solder Attachment for RG6-CATV 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: 75 Ohm F Male Right Angle Connector Crimp/Solder Attachment for RG6-CATV PE44320

URL: https://www.pasternack.com/f-male-standard-rg6-catv-connector-pe44320-p.aspx

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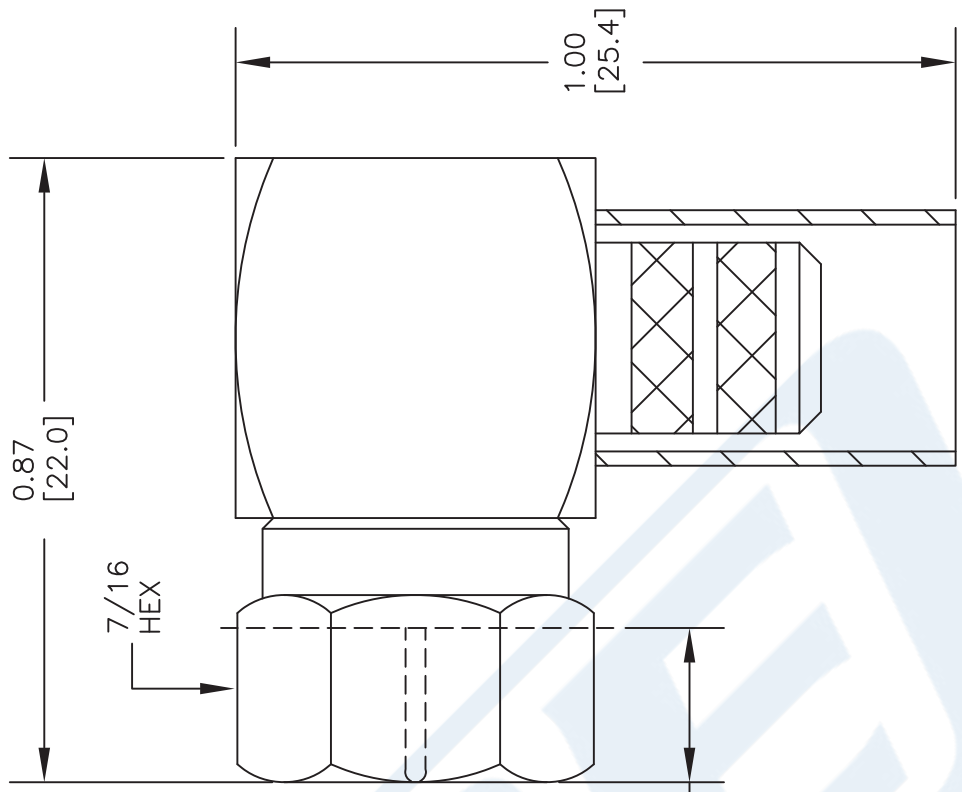
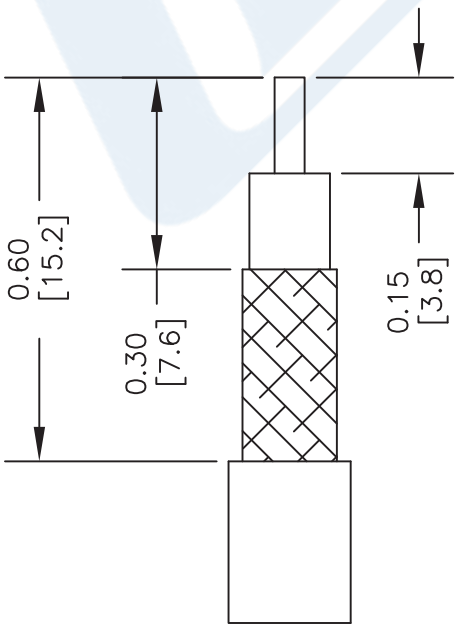
# PE44320 CAD Drawing

75 Ohm F Male Right Angle Connector Crimp/Solder Attachment for RG6-CATV




STRIPPING DIMENSIONS

ASSEMBLY PROCEDURES

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

CRIMP SIZE REQUIRED

FERRULE: .314" HEX CRIMP TOOL

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

| CAD FILE | 040811 | SCALE N/A | SIZE A | 2233 |
|---|---|---|---|---|

DWG TITLE **PE44320**

**FSCM NO. 53919**

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URL: https://www.pasternack.com/f-male-standard-rg6-catv-connector-pe44320-p.aspx

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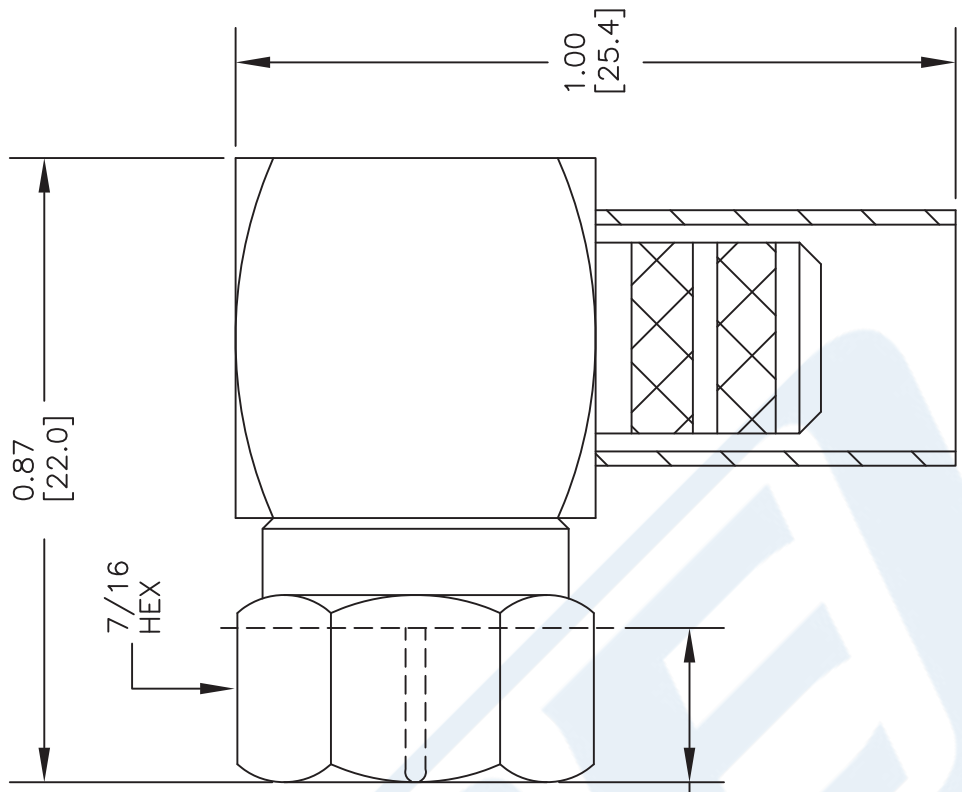
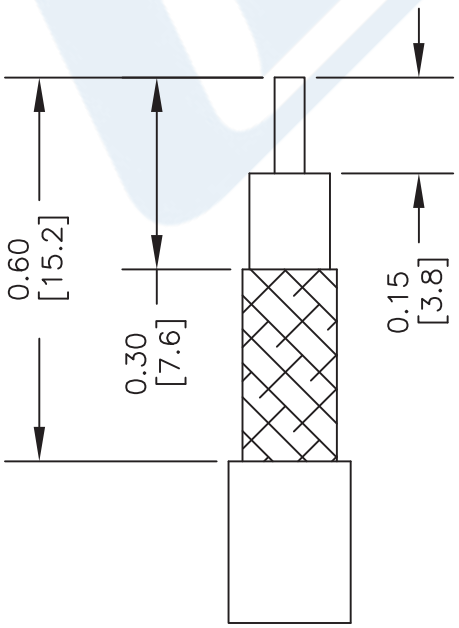
# PE44320 CAD Drawing

75 Ohm F Male Right Angle Connector Crimp/Solder Attachment for RG6-CATV

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| CAD FILE | 040811 | SCALE N/A | SIZE A | 2233 |
|---|---|---|---|---|

DWG TITLE **PE44320**

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# 75 Ohm Flexible RG6-CATV Coax Cable Triple Shielded with Black PVC (NC) Jacket

## TECHNICAL DATA SHEET RG6-CATV

75 Ohm Flexible RG6-CATV Coax Cable Triple Shielded with Black PVC (NC) Jacket

### Configuration

| | |
|---|---|
| Inner Conductor Material and Plating | Copper |
| Dielectric Type | PE (F) |
| Shield Materials | Aluminum Foil, Aluminum Braid |
| Jacket Material and Color | PVC (NC), Black |

### Electrical Specifications

| | |
|---|---|
| Impedance, Ohms | 75 |
| Velocity of Propagation, % | 85 |
| Maximum Operating Frequency, GHz | 3 |
| RF Shielding, dB | 70 |
| Capacitance, pF/ft [pF/m] | 16.2 [53.15] |

### Electrical Specifications by Frequency

**Frequency 1**

| | |
|---|---|
| Frequency, MHz | 5 |
| Attenuation, dB/100ft [dB/100m] | 0.58 [1.9] |

**Frequency 2**

| | |
|---|---|
| Frequency, MHz | 250 |
| Attenuation, dB/100ft [dB/100m] | 3.3 [10.83] |

**Frequency 3**

| | |
|---|---|
| Frequency, MHz | 550 |
| Attenuation, dB/100ft [dB/100m] | 4.9 [16.08] |

**Frequency 4**

| | |
|---|---|
| Frequency, MHz | 1000 |
| Attenuation, dB/100ft [dB/100m] | 6.55 [21.49] |

**Frequency 5**

| | |
|---|---|
| Frequency, GHz | 1.45 |
| Attenuation, dB/100ft [dB/100m] | 7.9 [25.92] |

**Frequency 6**

| | |
|---|---|
| Frequency, GHz | 1.75 |
| Attenuation, dB/100ft [dB/100m] | 8.75 [28.71] |

**Frequency 7**

| | |
|---|---|
| Frequency, GHz | 2.15 |

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: 75 Ohm Flexible RG6-CATV Coax Cable Triple Shielded with Black PVC (NC) Jacket RG6-CATV

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# 75 Ohm Flexible RG6-CATV Coax Cable Triple Shielded with Black PVC (NC) Jacket

## TECHNICAL DATA SHEET RG6-CATV

### Mechanical Specifications

**Temperature**

| | |
|---|---|
| Operating Range, deg C | -40 to +80 |

**Inner Conductor**

| | |
|---|---|
| Number of Strands | 1 |
| Material | Copper |
| Diameter, in [mm] | 0.04 [1.02] |

**Dielectric:**

| | |
|---|---|
| Type | PE (F) |
| Diameter, in [mm] | 0.18 [4.57] |

**Shield:**

| | |
|---|---|
| Number of | 3 |
| Material 1 | Aluminum Foil |
| Material 2 | Aluminum Braid |
| Material 3 | Aluminum Foil |
| Diameter, in [mm] | 0.22 [5.59] |

**Jacket:**

| | |
|---|---|
| Material | PVC (NC) |
| Diameter, in [mm] | 0.275 [6.99] |
| Color | Black |
| One Time Minimum Bend Radius, in [mm] | 1.37 [34.8] |
| Weight, lbs/ft [Kg/m] | 0.033 [0.05] |

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

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

### Plotted and Other Data

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

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URL: http://www.pasternack.com/flexible-0.275-rg6-catv-75-ohm-coax-cable-pvc-jacket-rg6-catv-p.aspx

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# RG6-CATV CAD Drawing

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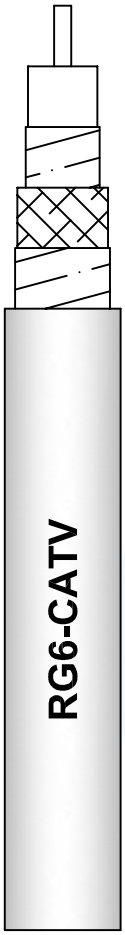


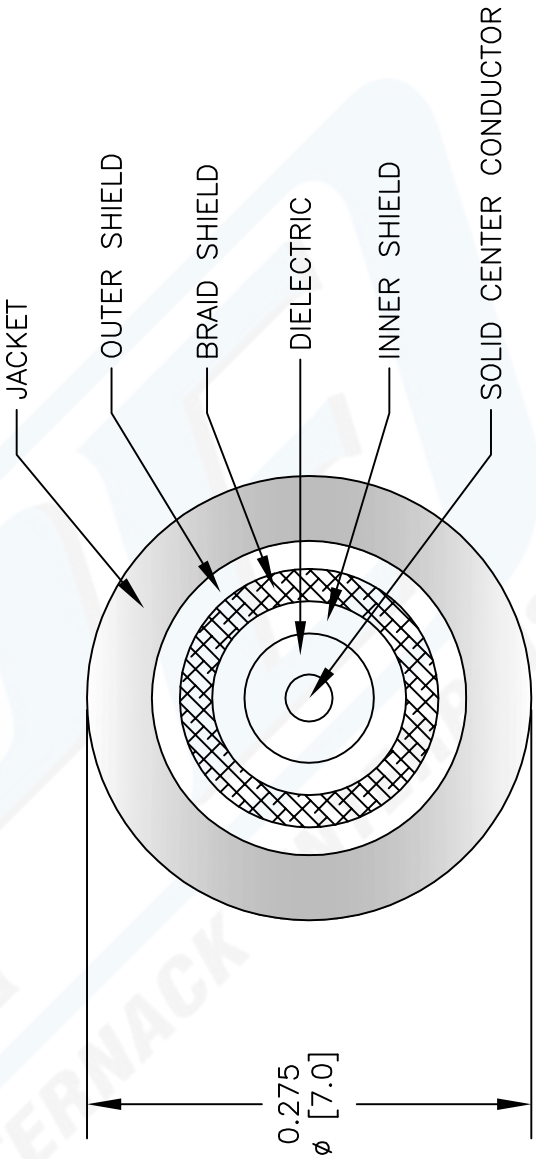


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DWG TITLE: RG6-CATV

| REV. B | FSCM NO. 53919 | CAD FILE 021411-B | SCALE N/A | SIZE A | 147 |
|---|---|---|---|---|---|

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