



## 75 Ohm BNC Female Connector Crimp/Solder Attachment for RG59, RG62, RG71

### RF Connectors Technical Data Sheet

PE4614

#### Configuration

- BNC Female Connector
- 75 Ohms
- Straight Body Geometry
- RG59, RG62, RG71 Interface Type
- Crimp/Solder Attachment

#### Features

- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

#### Description

Pasternack's PE4614 75 ohm BNC female connector with crimp/solder attachment for RG59, RG62 and RG71 is part of our full line of RF components available for same-day shipping.

Our 75 ohm BNC female connector PE4614 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.

#### Mechanical Specifications

##### Size

|            |                     |
|------------|---------------------|
| Length     | 1.426 in [36.22 mm] |
| Width/Dia. | 0.57 in [14.48 mm]  |
| Weight     | 0.034 lbs [15.42 g] |

##### Material Specifications

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

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Female Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE4614](#)



## 75 Ohm BNC Female Connector Crimp/Solder Attachment for RG59, RG62, RG71

### RF Connectors Technical Data Sheet

PE4614

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

#### Plotted and Other Data

Notes:

75 Ohm BNC Female Connector Crimp/Solder Attachment for RG59, RG62, RG71 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.

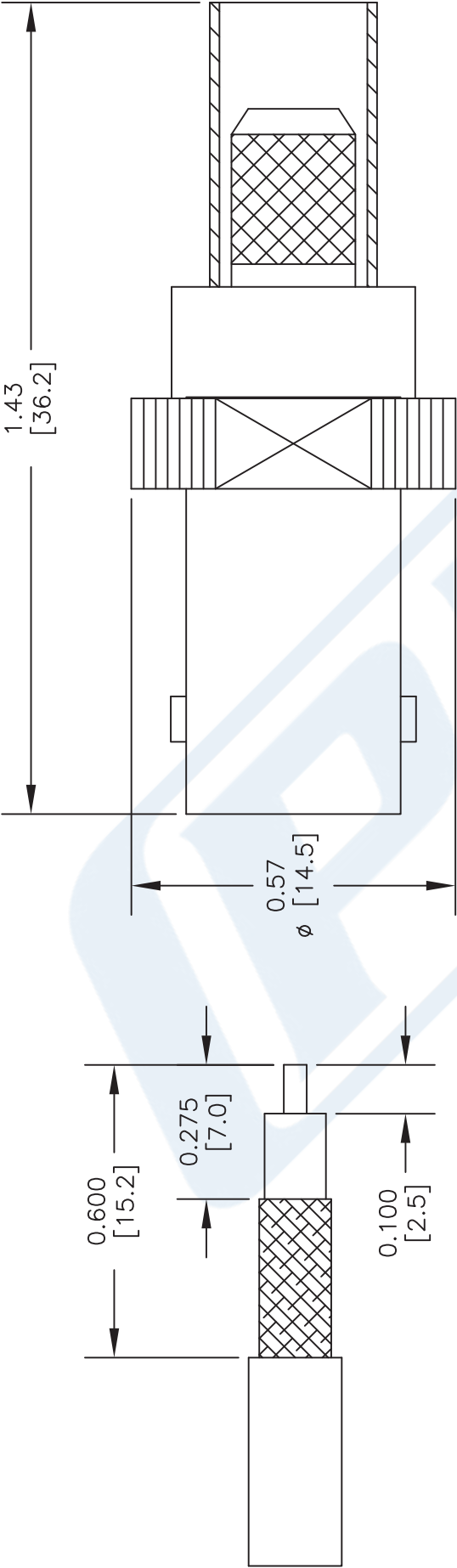
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Female Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE4614](#)

URL: <https://www.pasternack.com/bnc-female-standard-rg59-connector-pe4614-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.

PE4614 CAD Drawing

75 Ohm BNC Female Connector Crimp/Solder Attachment for RG59, RG62, RG71



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL  
FERRULE: .255" HEX CRIMP TOOL

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 |  | FSCM NO. 53919 |  | CAD FILE 062902 |  | SCALE N/A | SIZE A | 127 |
| PE4614    |  |                |  |                 |  |           |        |     |

**PASTERNAK®**  
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## 75 Ohm F Male Connector Crimp/Solder Attachment for RG59, RG62, RG71

### RF Connectors Technical Data Sheet

**PE44316**

#### Configuration

- F Male Connector
- 75 Ohms
- Straight Body Geometry
- RG59, RG62, RG71 Interface Type
- Crimp/Solder Attachment
- 7/16 inch Hex

#### Features

- Max. Operating Frequency 1,000 MHz
- Nickel Plated Brass Contact
- 100 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

#### Description

Pasternack's PE44316 75 ohm type F male connector with crimp/solder attachment for RG59, RG62 and RG71 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 1,000 MHz.

Our 75 ohm type F male connector PE44316 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      |         | 1,000   | MHz   |

#### Mechanical Specifications

|               |                                   |
|---------------|-----------------------------------|
| <b>Size</b>   |                                   |
| Length        | 0.764 in [19.41 mm]               |
| Width/Dia.    | 0.433 in [11.00 mm]               |
| Weight        | 0.022 lbs [9.98 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 Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE44316](#)



75 Ohm F Male Connector Crimp/Solder  
Attachment for RG59, RG62, RG71

RF Connectors Technical Data Sheet

PE44316

**Material Specifications**

| Description  | Material | Plating                   |
|--------------|----------|---------------------------|
| Contact      | Brass    | Nickel<br>100 µin minimum |
| Body         | Brass    | Nickel<br>100 µin minimum |
| Coupling Nut | Brass    | Nickel<br>100 µin minimum |

**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 Connector Crimp/Solder Attachment for RG59, RG62, RG71 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.

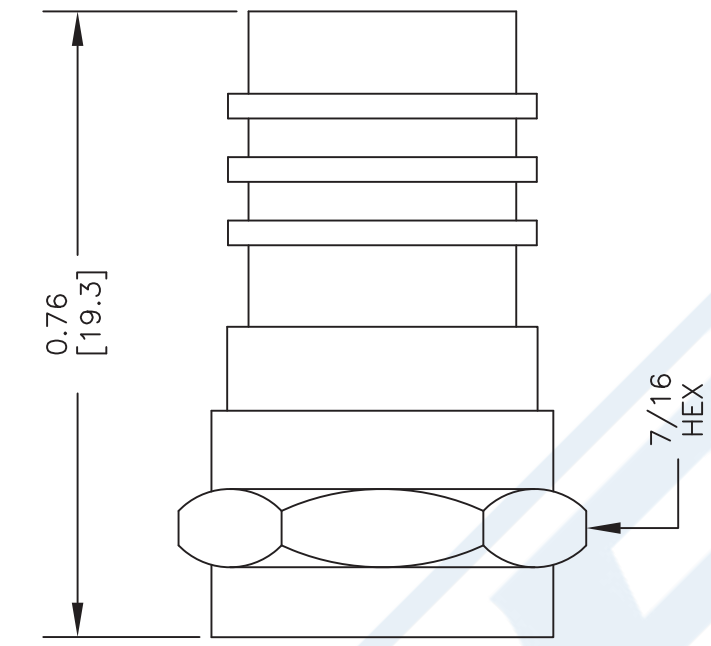
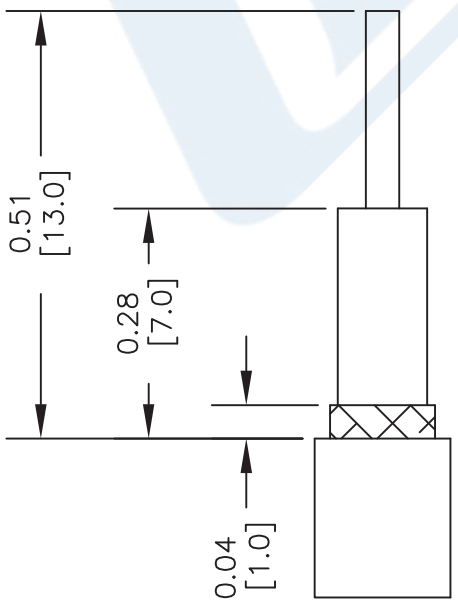
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE44316](#)

URL: <https://www.pasternack.com/f-male-standard-rg59-rg62-connector-pe44316-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.

PE44316 CAD Drawing

75 Ohm F Male Connector Crimp/Solder Attachment for RG59, RG62, RG71



STRIPPING DIMENSIONS  
ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN.
2. INSERT CABLE INTO CONNECTOR AND PUSH SO THAT INNER FERRULE PORTION OF BODY SLIDES UNDER BRAID AND JACKET. WITH CENTER CONDUCTOR PROTRUDING THROUGH HOLE AND THE DIELECTRIC SHOULD FLUSH WITH CONNECTOR SHOULDER. THEN CRIMP.

CRIMP SIZE REQUIRED  
.324" HEX CRIMP TOOL

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DWG TITLE  
**PE44316**

NOTES:  
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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.

| REV. A | FSCM NO. 53919 | CAD FILE 110911 | SCALE N/A | SIZE A | 2233 |
|--------|----------------|-----------------|-----------|--------|------|
|--------|----------------|-----------------|-----------|--------|------|

## 75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket

### RF Cables Technical Data Sheet

**RG59B/U**

#### Configuration

- Flexible Cable
- 1 Shield(s)

#### Electrical Specifications

| Description             | Minimum | Typical      | Maximum | Units        |
|-------------------------|---------|--------------|---------|--------------|
| Frequency Range         | DC      |              | 5       | GHz          |
| Impedance               |         | 75 $\pm$ 3   |         | Ohms         |
| Velocity of Propagation |         | 66           |         | %            |
| Operating Voltage (AC)  |         |              | 2,300   | Vrms         |
| Nominal Capacitance     |         | 20.4 [66.93] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4     | F5 | Units    |
|-----------------------|-------|-------|-------|--------|----|----------|
| Frequency             | 0.01  | 0.1   | 1     | 5      |    | GHz      |
| Attenuation, Typ      | 1.1   | 3.3   | 11.5  | 41     |    | dB/100ft |
|                       | 3.61  | 10.83 | 37.73 | 134.51 |    | dB/100m  |
| Input Power (CW), Max | 1,300 | 310   | 77    | 27     |    | Watts    |

#### Mechanical Specifications

|          |                          |
|----------|--------------------------|
| Diameter | 0.242 in [6.15 mm]       |
| Weight   | 0.039 lbs/ft [0.06 Kg/m] |

#### Construction Specifications

| Description     | Material and Plating         | Diameter           |
|-----------------|------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, 1 Strands | 0.022 in [0.56 mm] |
| Conductor Type  | Solid                        |                    |
| Dielectric      | PE                           | 0.146 in [3.71 mm] |
| First Shield    | Copper Braid                 | 0.165 in [4.19 mm] |

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 RG59 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG59B/U](#)

## 75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket

### RF Cables Technical Data Sheet

**RG59B/U**

|        |                 |                    |
|--------|-----------------|--------------------|
| Jacket | PVC (NC), Black | 0.242 in [6.15 mm] |
|--------|-----------------|--------------------|

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +80 deg C

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

#### Plotted and Other Data

Notes:

75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) 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.

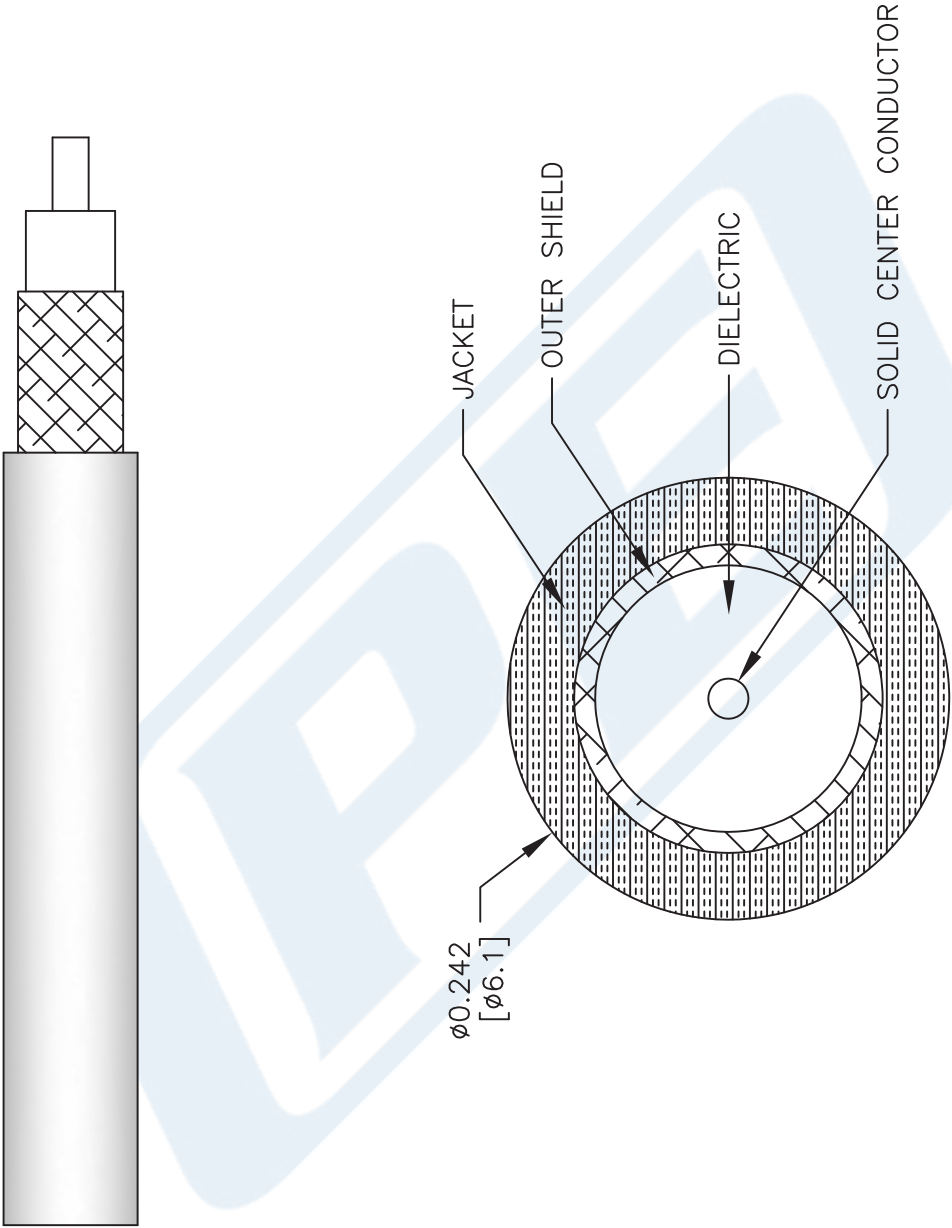
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG59B/U](#)

URL: <https://www.pasternack.com/flexible-0.242-rg59-75-ohm-coax-cable-pvc-jacket-rg59b-u-p.aspx>

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RG59B/U CAD Drawing

75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket



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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE  
**RG59B/U**

FSCM NO. 53919

CAD FILE 111816

SCALE N/A

SIZE A

41742

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