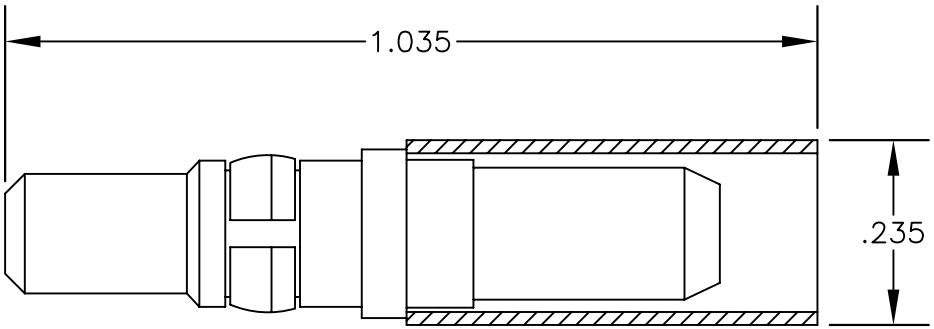
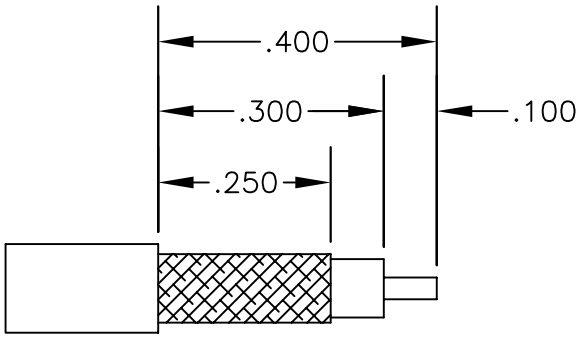
| MATERIALS | |
|---|---|
| BODY | BRASS GOLD PLATED |
| CONTACT | GOLD PLATED |
| INSULATOR | PTFE |
| | |




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
**PE4812**

DES. D SUBMINIATURE, STRAIGHT PLUG, SOLDER ATTACHMENT FOR RG58, RG141 & RG303

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

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
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# BNC Male Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet PE4016

## Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, .195 inch Interface Type
- Crimp/Crimp Attachment

## Features

- Max. Operating Frequency 4 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 PE4016 BNC male connector with crimp/crimp attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and .195 inch is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 4 GHz and offers good VSWR of 1.5:1.

Our BNC male connector PE4016 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 | | | 1.5:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 1.13 in [28.7 mm] |
| Width/Dia. | 0.571 in [14.50 mm] |
| Weight | 0.027 lbs [12.25 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4016

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# BNC Male Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch



### 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 |
| Gasket | Silicone | |
| 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:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Male Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4016

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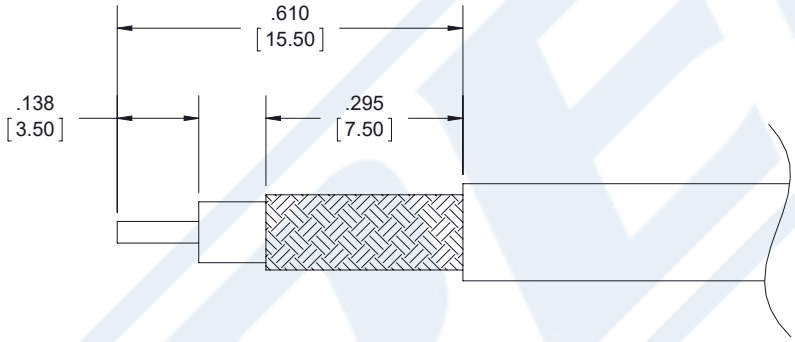


# BNC Male Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch



**Assembly Instruction**

*




## ASSEMBLY PROCEDURES

1. STRIP CABLE TO THE DIMENSIONS SHOWN, DO NOT NICK CENTER CONDUCTOR OR BRAID.
2. PUSH CENTER CONDUCTOR FULLY INTO CONTACT AND CRIMP WITH CRIMP TOOL.
3. FLARE BRAID AND INSERT THE BODY UNTIL IT SEATS.
4. SLIDE FERRULE OVER BRAID AND CRIMP WITH CRIMP TOOL.

## CRIMP SIZE REQUIRED

- CONTACT: .071 [1.80] HEX CRIMP TOOL.
- FERRULE: .216 [5.50] HEX CRIMP TOOL.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: BNC Male Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4016

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# BNC Male Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch

## RF Connectors Technical Data Sheet PE4016

BNC Male Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch 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 Male Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4016

URL: https://www.pasternack.com/bnc-male-standard-rg58-pe-c195-lmr-195-connector-pe4016-p.aspx

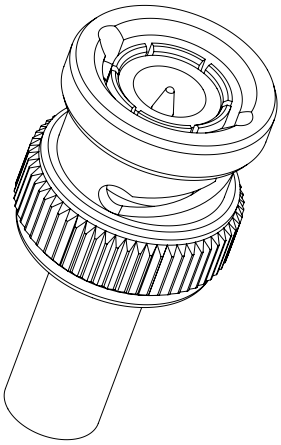
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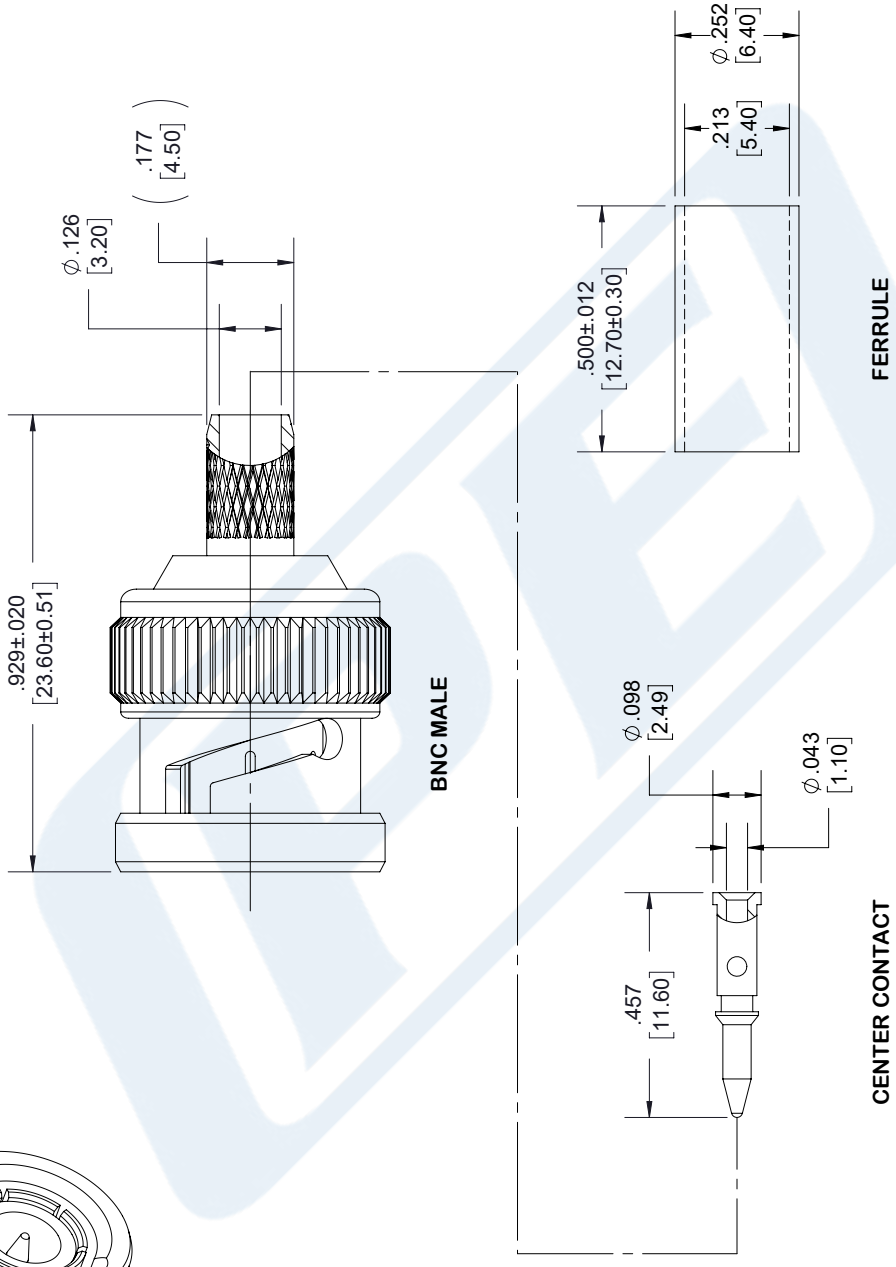
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# PE4016 CAD Drawing

BNC Male Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch






| STANDARD TOLERANCES |
|---|
| .X ±0.2 |
| .XX ±0.01 |
| .XXX ±0.005 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

NOTES:
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3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE PE4016

CAD FILE 010318 | SCALE N/A | SIZE A | 7361

CAGE CODE 53919


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# Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket



## TECHNICAL DATA SHEET PE-P195

Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket

### Configuration

| | |
|---|---|
| Cable Design | Low Loss |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type | PTFE |
| Shield Materials | Silver Plated Copper, Aluminum Tape |
| Jacket Material and Color | FEP, Tan |

### Electrical Specifications

| | |
|---|---|
| Impedance, Ohms | 50 |
| Capacitance, pF/ft [pF/m] | 29 [95.14] |
| Jacket Spark, Vrms | 2,000 |

**Electrical Specifications by Frequency**

**Frequency 1**

| | |
|---|---|
| Frequency, MHz | 500 |
| Attenuation, dB/100ft [dB/100m] | 9 [29.53] |

**Frequency 2**

| | |
|---|---|
| Frequency, MHz | 1000 |
| Attenuation, dB/100ft [dB/100m] | 12.5 [41.01] |

**Frequency 3**

| | |
|---|---|
| Frequency, GHz | 3 |
| Attenuation, dB/100ft [dB/100m] | 23.3 [76.44] |

**Frequency 4**

| | |
|---|---|
| Frequency, GHz | 5 |
| Attenuation, dB/100ft [dB/100m] | 31 [101.71] |

### Mechanical Specifications

**Inner Conductor**

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

**Dielectric:**

| | |
|---|---|
| Type | PTFE |
| Diameter, in [mm] | 0.11 [2.79] |

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket PE-P195

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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# Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket

## TECHNICAL DATA SHEET PE-P195

**Shield:**

| | |
|---|---|
| Number of | 3 |
| Material 1 | Silver Plated Copper |
| Material 2 | Aluminum Tape |
| Material 3 | Silver Plated Copper Braid |
| Diameter, in [mm] | 0.155 [3.94] |

**Jacket:**

| | |
|---|---|
| Material | FEP |
| Diameter, in [mm] | 0.195 [4.95] |
| Color | Tan |
| Weight, lbs/ft [Kg/m] | 0.002 [0] |

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

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

**Plotted and Other Data**

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

Low Loss Flexible RG142 Type Coax Cable Triple 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.

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket PE-P195

URL: http://www.pasternack.com/precision-0.195-rg142-solid-center-conductor-52-ohm-coax-cable-fep-jacket-pe-p195-p.aspx

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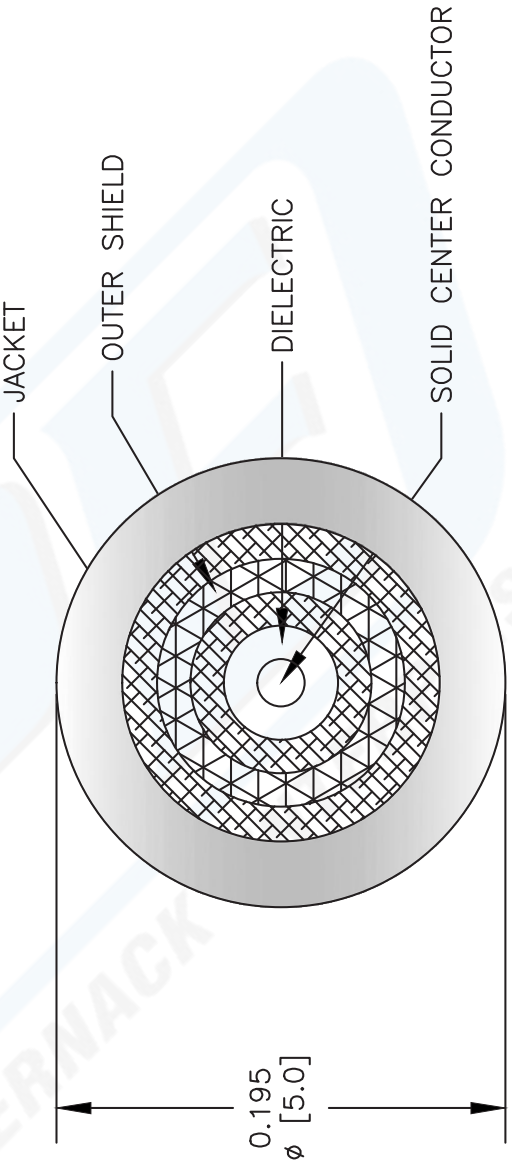
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# PE-P195 CAD Drawing

Low Loss Flexible RG142 Type Coax Cable Triple Shielded with Tan FEP Jacket




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3. DIMENSIONS ARE IN INCHES [mm].

| | | | | |
|---|---|---|---|---|
| DWG TITLE PE-P195 | REV. D | FSCM NO. 53919 | CAD FILE 081512-D | SCALE N/A | SIZE A | 2233 |

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