



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

## RF Connectors Technical Data Sheet

**PE4298**

### Configuration

- BNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch Interface Type
- Crimp/Crimp Attachment

### Features

- Max. Operating Frequency 3 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4298 BNC male right angle connector with crimp/crimp attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195 and 0.195 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 3 GHz and offers good VSWR of 1.3:1. Its right angle body geometry allows for easier connections in tight spaces.

Our BNC male right angle connector PE4298 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      |         | 3       | GHz   |
| VSWR                   |         |         | 1.3:1   |       |
| Operating Voltage (AC) |         |         | 500     | Vrms  |

### Mechanical Specifications

#### Size

|            |                     |
|------------|---------------------|
| Length     | 1.345 in [34.16 mm] |
| Width/Dia. | 0.571 in [14.50 mm] |
| Height     | 1.145 in [29.08 mm] |
| Weight     | 0.054 lbs [24.49 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 Right Angle Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4298](#)



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

## RF Connectors Technical Data Sheet

**PE4298**

### 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 |
| 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:

BNC Male Right Angle 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% availability and are part of the broadest selection in the industry.

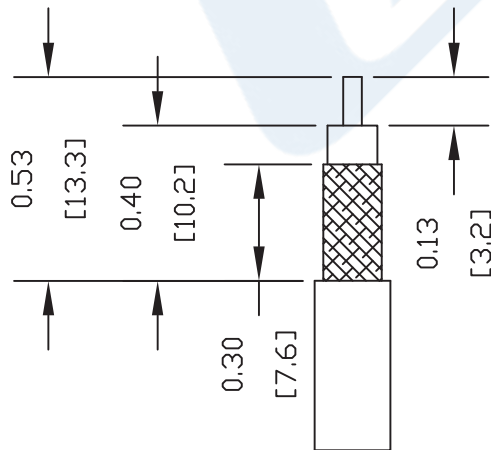
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle Connector Crimp/Crimp Attachment for RG58, RG303, RG141, PE-C195, PE-P195, LMR-195, 0.195 inch PE4298](#)

URL: <https://www.pasternack.com/bnc-male-standard-rg58-connector-pe4298-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.

# PE4298 CAD Drawing

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



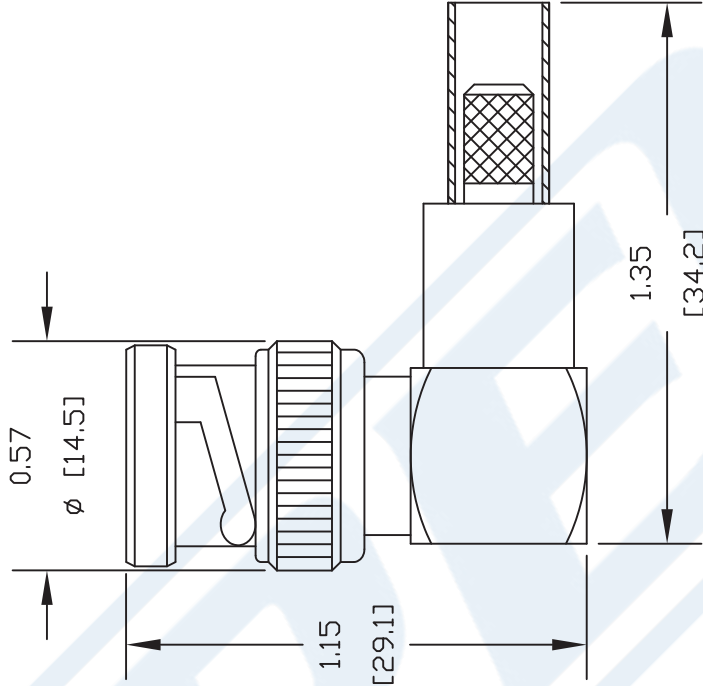
## STRIPPING DIMENSIONS

## ASSEMBLY PROCEDURES

1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE & CRIMP CONTACT TO CENTER CONDUCTOR.
2. INSTALL CABLE INTO BODY. PUSH CABLE FORWARD UNTIL CONTACT IS IN THE CORRECT POSITION.
3. CRIMP FERRULE

## CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL  
FERRULE: .213" HEX CRIMP TOOL



Pasternack Enterprises, Inc.

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DWG TITLE

PE4298

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.

REV. -

FSCM NO. 53919

CAD FILE 042409

SCALE N/A

SIZE A

127



NMO Mount Connector Crimp/Solder Attachment  
for PE-C195, PE-P195, RG58, RG55, RG141,  
RG142, RG223, RG400, RG303, LMR-195

## RF Connectors Technical Data Sheet

**PE51021**

### Configuration

- NMO Mount Sexless Connector
- 50 Ohms
- Straight Body Geometry
- PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 Interface Type
- Crimp/Solder Attachment

### Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE51021 NMO Mount connector with crimp/solder attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303 and LMR-195 is part of our full line of RF components available for same-day shipping.

Our NMO Mount connector PE51021 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

Weight 0.07 lbs [31.75 g]

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

### Plotted and Other Data

Notes:

NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 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.

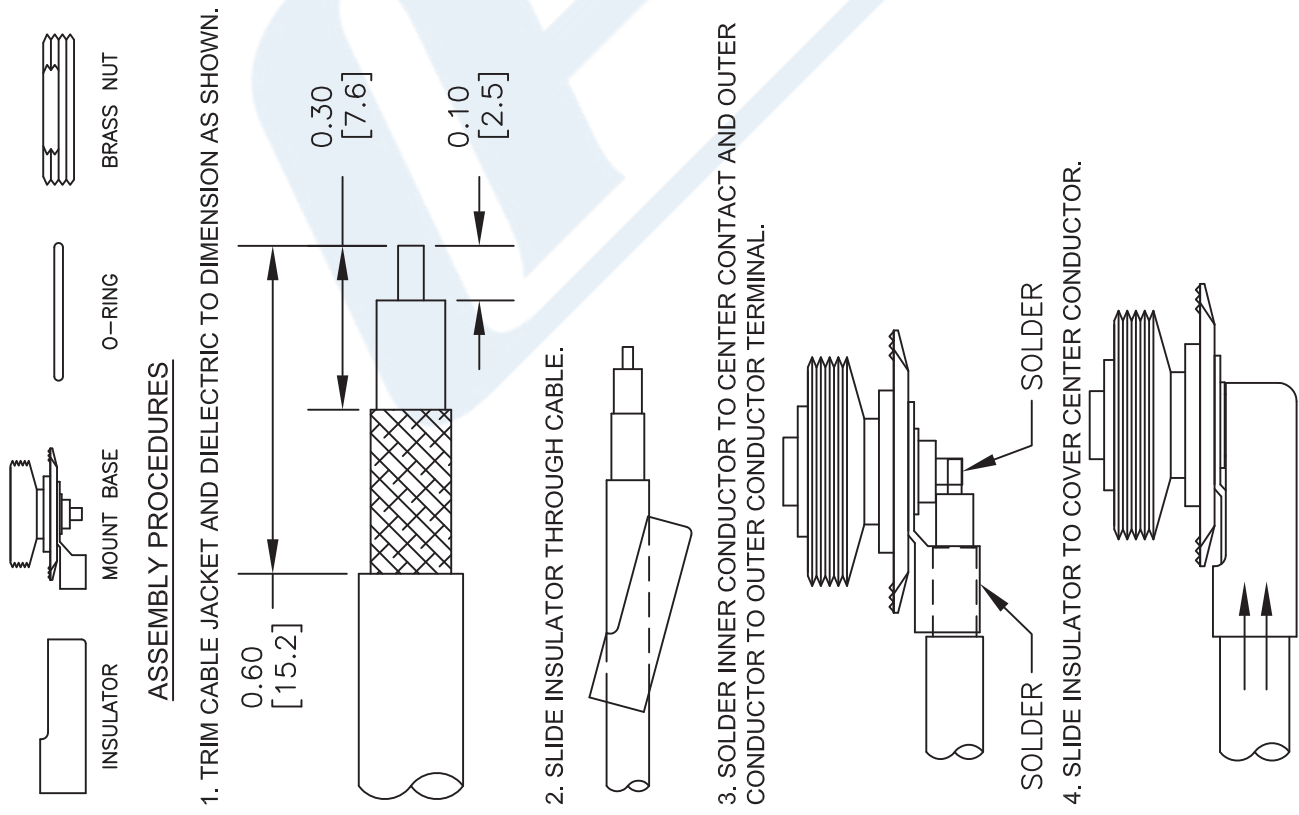
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195 PE51021](#)

URL: <https://www.pasternack.com/nmo-mount-pe-c195-connector-pe51021-p.aspx>

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PE51021 CAD Drawing

NMO Mount Connector Crimp/Solder Attachment for PE-C195, PE-P195, RG58, RG55, RG141, RG142, RG223, RG400, RG303, LMR-195



BUSHING ASSEMBLY

MOUNTING HOLE



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**COAXIAL & FIBER OPTICS**

DWG TITLE  
**PE51021**

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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. D | FSCM NO. 53919 | CAD FILE 051412 | SCALE N/A | SIZE A | 2233 |
|--------|----------------|-----------------|-----------|--------|------|
|--------|----------------|-----------------|-----------|--------|------|

## Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

### RF Cables Technical Data Sheet

**RG58C/U**

#### Configuration

- Flexible Cable
- 1 Shield(s)

#### Electrical Specifications

| Description             | Minimum | Typical       | Maximum | Units        |
|-------------------------|---------|---------------|---------|--------------|
| Frequency Range         | DC      |               | 5       | GHz          |
| Impedance               |         | 50            |         | Ohms         |
| Velocity of Propagation |         | 65.9          |         | %            |
| Operating Voltage (AC)  |         |               | 1,900   | Vrms         |
| Nominal Capacitance     |         | 30.8 [101.05] |         | 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      | 1.4  | 4.9   | 20    | 60     |    | dB/100ft |
|                       | 4.59 | 16.08 | 65.62 | 196.85 |    | dB/100m  |
| Input Power (CW), Max |      |       | 44    |        |    | Watts    |

#### Mechanical Specifications

|                                 |                          |
|---------------------------------|--------------------------|
| Diameter                        | 0.195 in [4.95 mm]       |
| Weight                          | 0.025 lbs/ft [0.04 Kg/m] |
| Min. Bend Radius (Installation) | 0.98 in [24.89 mm]       |
| Min. Bend Radius (Repeated)     | 1.96 in [49.78 mm]       |

#### Construction Specifications

| Description     | Material and Plating    | Diameter           |
|-----------------|-------------------------|--------------------|
| Inner Conductor | Copper, Tin, 19 Strands | 0.036 in [0.91 mm] |
| Conductor Type  | Stranded                |                    |
| Dielectric      | PE                      | 0.116 in [2.95 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG58 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG58C/U](#)

## Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket

### RF Cables Technical Data Sheet

**RG58C/U**

|              |                     |                    |
|--------------|---------------------|--------------------|
| First Shield | Tinned Copper Braid | 0.138 in [3.51 mm] |
| Jacket       | PVC (NC), Black     | 0.195 in [4.95 mm] |

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +80 deg C

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

#### Plotted and Other Data

Notes:

Flexible RG58 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.

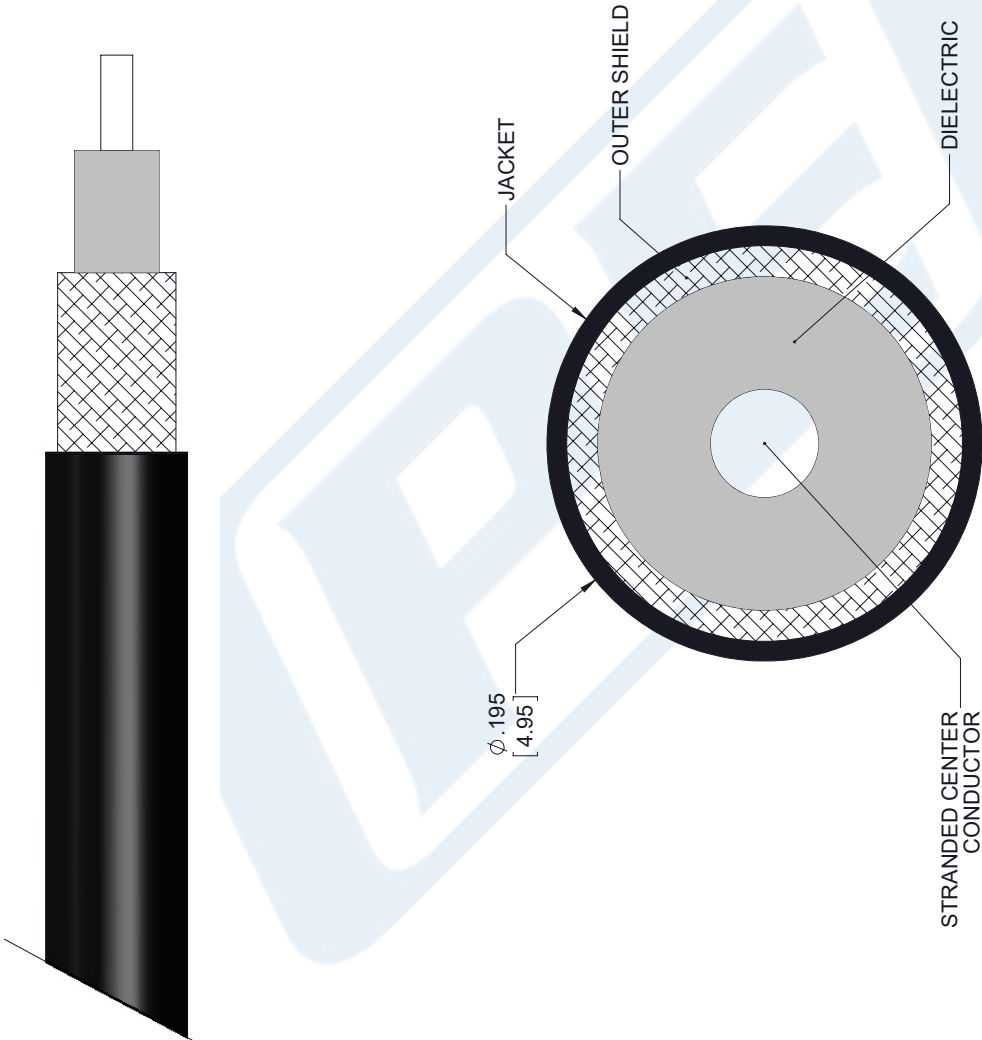
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG58 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG58C/U](#)

URL: <https://www.pasternack.com/flexible-0.195-rg58-50-ohm-coax-cable-pvc-jacket-rg58c-u-p.aspx>

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RG58C/U CAD Drawing

Flexible RG58 Coax Cable Single Shielded with Black PVC (NC) Jacket



SECTION VIEW

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

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE

RG58C/U

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CAGE CODE 53919

CAD FILE 091817

SCALE N/A

SIZE A

7361