



TNC Male Connector Crimp/Crimp Attachment  
for RG188-DS, RG316-DS

TECHNICAL DATA SHEET

PE45161

**Configuration**

|                                    |                    |
|------------------------------------|--------------------|
| Connector                          | TNC Male           |
| Connector Specification            | MIL-STD-348A       |
| Connector Interface Type           | RG188-DS, RG316-DS |
| Attachment Method (Shield/Contact) | Crimp/Crimp        |
| Body Style                         | Straight           |

**Electrical Specifications**

|                                 |             |
|---------------------------------|-------------|
| Frequency Range                 | DC to 4 GHz |
| Impedance                       | 50 Ohms     |
| Maximum Operating Voltage       | 500 Volts   |
| Dielectric Withstanding Voltage | 1,500 Vrms  |

**Frequency 1**

|           |               |
|-----------|---------------|
| Frequency | DC to 500 MHz |
| VSWR      | 1.35:1        |

**Mechanical Specifications**

**Temperature**

|                 |                   |
|-----------------|-------------------|
| Operating Range | -65 to +165 deg C |
|-----------------|-------------------|

**Size**

|            |                     |
|------------|---------------------|
| Length     | 1.2 in [30.48 mm]   |
| Width/Dia. | 0.591 in [15.01 mm] |
| Weight     | 0.027 lbs [12.25 g] |

**Connector**

|                               |                  |
|-------------------------------|------------------|
| Type                          | TNC Male         |
| Contact Material and Plating  | Brass, Gold      |
| Contact Plating Specification | 30µ in. minimum  |
| Body Material and Plating     | Brass, Nickel    |
| Body Plating Specification    | 100µ in. minimum |
| Dielectric Type               | Teflon           |

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

|                 |            |
|-----------------|------------|
| RoHS Compliant  |            |
| REACH Compliant | 06/18/2012 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Crimp Attachment for RG188-DS, RG316-DS PE45161](#)



## TNC Male Connector Crimp/Crimp Attachment for RG188-DS, RG316-DS

### TECHNICAL DATA SHEET

PE45161

#### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

TNC Male Connector Crimp/Crimp Attachment for RG188-DS, RG316-DS 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.

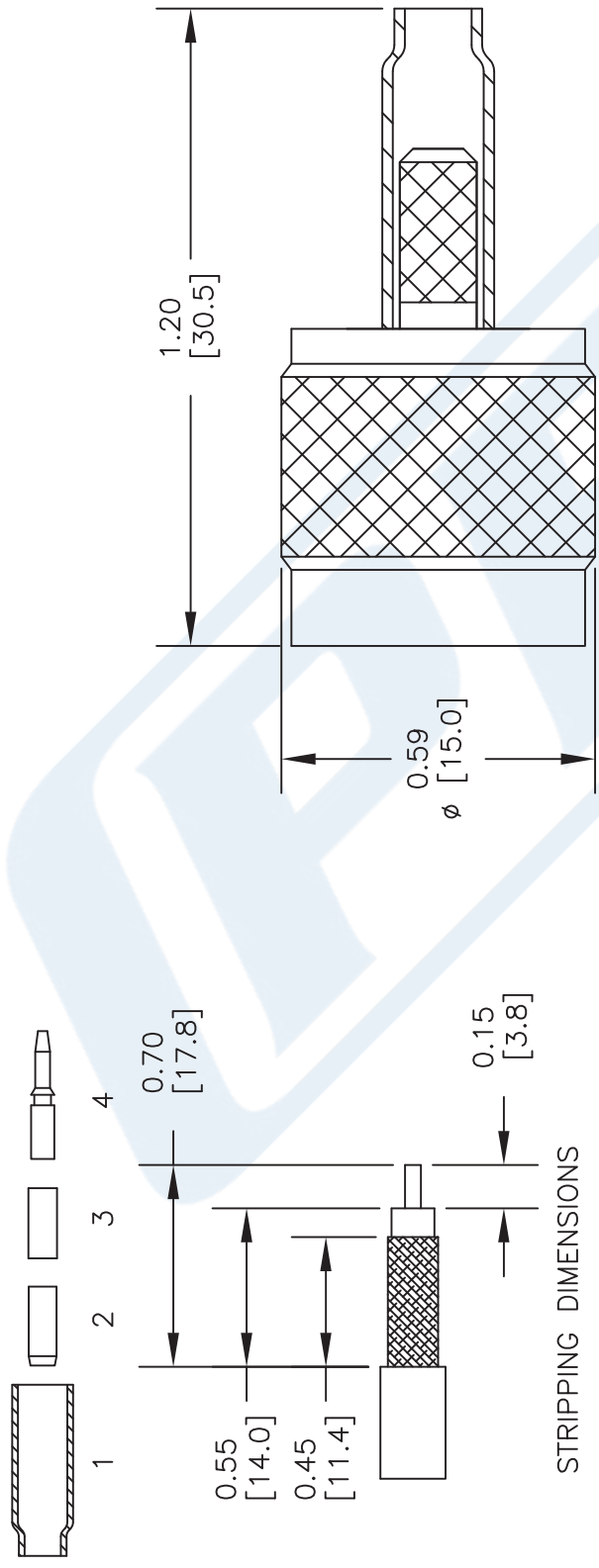
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URL: <http://www.pasternack.com/tnc-male-rg188-ds-rg316-ds-connector-pe45161-p.aspx>

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ASSEMBLY PROCEDURES

- 1. STRIP CABLE AS SHOWN & SLIDE FERRULE (1) ONTO CABLE.
- 2. FLARE END OF CABLE BRAID & SLIDE METAL SPACER (2) & PTFE (3) SPACER OVER CABLE DIELECTRIC.



STRIPPING DIMENSIONS

- 3. THE CONTACT (4) SHOULD BUTT AGAINST THE DIELECTRIC & PTFE SPACER. CRIMP CONTACT TO CABLE CENTER CONDUCTOR.
- 4. INSTALL CABLE ASSEMBLY INTO BODY SO THAT THE INNER FERRULE PORTION OF BODY SLIDES UNDER BRAID. PUSH CABLE ASSEMBLY FORWARD UNTIL CONTACT SNAPS INTO PLACE. SLIDE FERRULE OVER BRAID AND UP AGAINST CONNECTOR BODY & CRIMP.

CRIMP SIZES REQUIRED

CONTACT: .068" HEX CRIMP TOOL  
FERRULE: .178" HEX CRIMP TOOL

**PE PASTERNAK**  
THE ENGINEER'S RF SOURCE  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE  
**PE45161**

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.

FSCM NO. 53919

CAD FILE 031815

SCALE N/A

SIZE A

2233



BNC Male Connector Crimp/Solder Attachment  
for RG316-DS, RG188-DS Up to 4GHz

TECHNICAL DATA SHEET

PE45114

**Configuration**

|                                    |                    |
|------------------------------------|--------------------|
| Connector                          | BNC Male           |
| Connector Specification            | MIL-STD-348A       |
| Connector Interface Type           | RG316-DS, RG188-DS |
| Attachment Method (Shield/Contact) | Crimp/Solder       |
| Body Style                         | Straight           |

**Electrical Specifications**

|                           |             |
|---------------------------|-------------|
| Frequency Range           | DC to 4 GHz |
| Impedance                 | 50 Ohms     |
| Maximum Operating Voltage | 335 Volts   |

**Frequency 1**

|           |             |
|-----------|-------------|
| Frequency | DC to 3 GHz |
| VSWR      | 1.25:1      |

**Mechanical Specifications**

**Temperature**

|                 |                   |
|-----------------|-------------------|
| Operating Range | -65 to +165 deg C |
|-----------------|-------------------|

**Size**

|            |                    |
|------------|--------------------|
| Length     | 1.11 in [28.19 mm] |
| Width/Dia. | 0.57 in [14.48 mm] |

**Connector**

|                                    |                  |
|------------------------------------|------------------|
| Type                               | BNC Male         |
| Contact Material and Plating       | Brass, Gold      |
| Contact Plating Specification      | 50µ in. minimum  |
| Coupling Nut Material and Plating  | Brass, Nickel    |
| Coupling Nut Plating Specification | 100µ in. minimum |
| Body Material and Plating          | Brass, Nickel    |
| Body Plating Specification         | 100µ in. minimum |
| Dielectric Type                    | Teflon           |

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)  
RoHS Compliant

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/Solder Attachment for RG316-DS, RG188-DS Up to 4GHz PE45114](#)



## BNC Male Connector Crimp/Solder Attachment for RG316-DS, RG188-DS Up to 4GHz

### TECHNICAL DATA SHEET

PE45114

#### Plotted and Other Data

Notes:

- Values at +25 °C, sea level

BNC Male Connector Crimp/Solder Attachment for RG316-DS, RG188-DS Up to 4GHz 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.

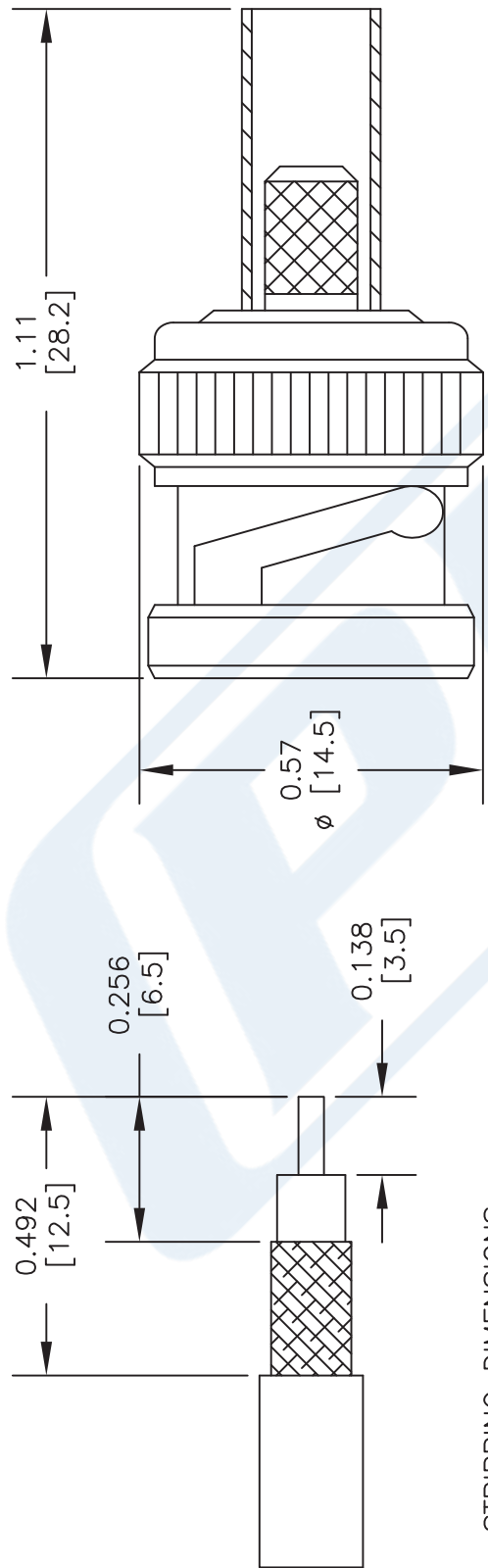
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Connector Crimp/Solder Attachment for RG316-DS, RG188-DS Up to 4GHz PE45114](http://www.pasternack.com/bnc-male-rg316-ds-rg188-ds-connector-pe45114-p.aspx)

URL: <http://www.pasternack.com/bnc-male-rg316-ds-rg188-ds-connector-pe45114-p.aspx>

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# PE45114 CAD Drawing

BNC Male Connector Crimp/Solder Attachment for RG316-DS, RG188-DS Up to 4GHz



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER  
FERRULE: 0.151" HEX. CRIMP TOOL

NOTES:  
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3. DIMENSIONS ARE IN INCHES [mm].  
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

DWG TITLE  
**PE45114**

FSCM NO. 53919

2233

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## Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket

### RF Cables Technical Data Sheet

**RG188-DS**

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Electrical Specifications

| Description                          | Minimum | Typical     | Maximum | Units        |
|--------------------------------------|---------|-------------|---------|--------------|
| Frequency Range                      | DC      |             | 10      | GHz          |
| Impedance                            |         | 50          |         | Ohms         |
| Dielectric Withstanding Voltage (AC) |         |             | 2,000   | Vrms         |
| Nominal Capacitance                  |         | 32 [104.99] |         | pF/ft [pF/m] |

#### Performance by Frequency Band

| Description           | F1    | F2    | F3    | F4     | F5     | Units    |
|-----------------------|-------|-------|-------|--------|--------|----------|
| Frequency             | 0.01  | 0.1   | 1     | 5      | 10     | GHz      |
| Attenuation, Typ      | 3.8   | 11.5  | 30    | 79     | 133    | dB/100ft |
|                       | 12.47 | 37.73 | 98.43 | 259.19 | 436.35 | dB/100m  |
| Input Power (CW), Max | 1,250 | 450   | 160   | 57     |        | Watts    |

#### Mechanical Specifications

|          |                          |
|----------|--------------------------|
| Diameter | 0.118 in [3 mm]          |
| Weight   | 0.016 lbs/ft [0.02 Kg/m] |

#### Construction Specifications

| Description     | Material and Plating                       | Diameter           |
|-----------------|--------------------------------------------|--------------------|
| Inner Conductor | Copper Clad Steel, Silver, 7 Strands       | 0.02 in [0.51 mm]  |
| Conductor Type  | Stranded                                   |                    |
| Dielectric      | PTFE                                       | 0.06 in [1.52 mm]  |
| First Shield    | Silver Plated Copper Braid<br>90% coverage | 0.078 in [1.98 mm] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket RG188-DS](#)

## Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket

### RF Cables Technical Data Sheet

### RG188-DS

|               |                                            |                    |
|---------------|--------------------------------------------|--------------------|
| Second Shield | Silver Plated Copper Braid<br>90% coverage | 0.096 in [2.44 mm] |
| Jacket        | PTFE, White                                | 0.118 in [3 mm]    |

#### Environmental Specifications

##### Temperature

Operating Range

-55 to +200 deg C

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

#### Plotted and Other Data

Notes:

Flexible RG188 Coax Cable Double Shielded with White PTFE 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.

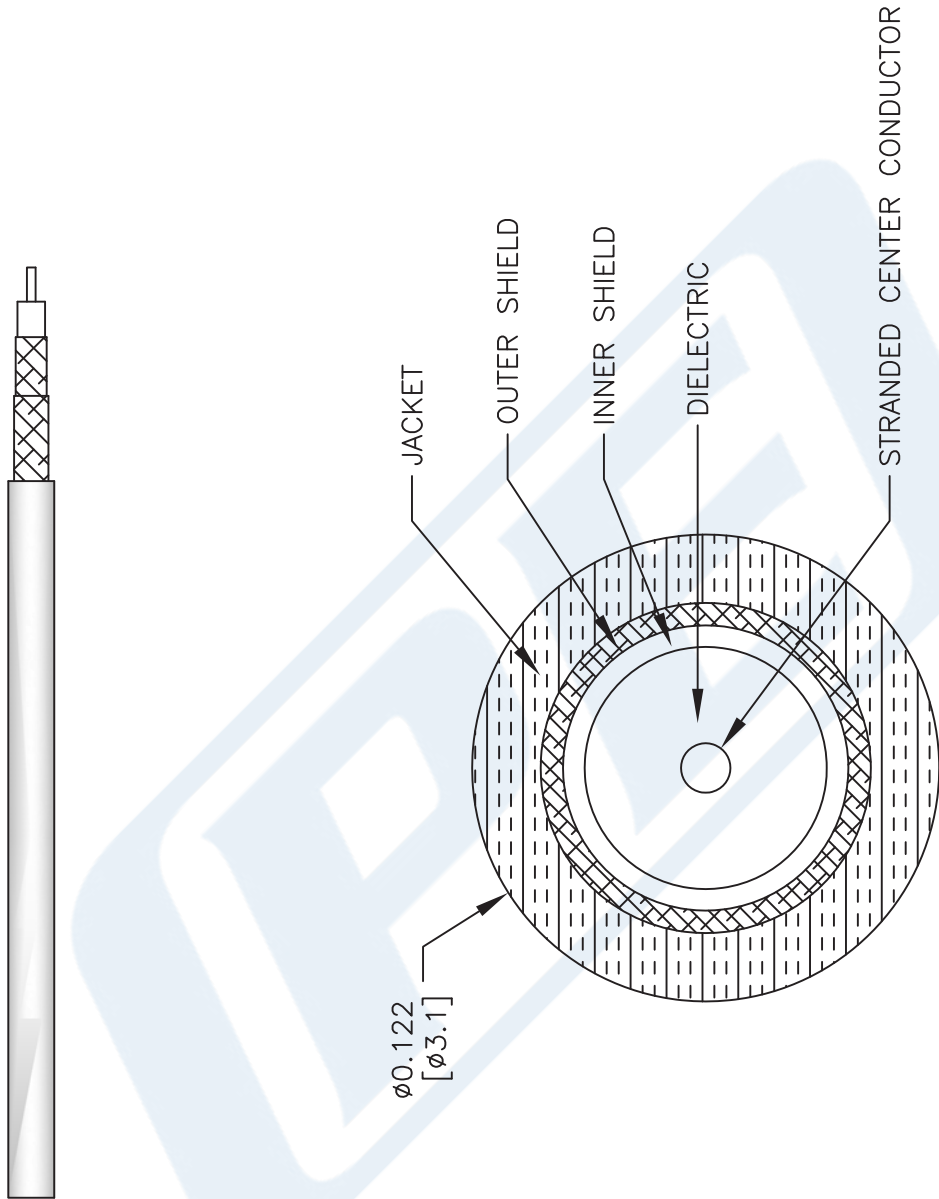
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket RG188-DS](#)

URL: <https://www.pasternack.com/flexible-0.122-rg188-ds-50-ohm-coax-cable-ptfe-jacket-rg188-ds-p.aspx>

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# RG188-DS CAD Drawing

Flexible RG188 Coax Cable Double Shielded with White PTFE Jacket



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DWG TITLE  
**RG188-DS**

CAGE CODE 53919

CAD FILE 062817

SCALE N/A

SIZE A

2233

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