



TNC Male Connector Crimp/Solder Attachment For RG213, RG8

RF Connectors Technical Data Sheet

PE4446

Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG213, RG8 Interface Type
- Crimp/Solder Attachment

Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|------------------------|---------|---------|---------|-------|
| Frequency Range | DC | | 6 | GHz |
| VSWR | | | 1.4:1 | |
| Operating Voltage (AC) | | | 500 | Vrms |

Mechanical Specifications

| | |
|------------|--------------------|
| Size | |
| Length | 1.37 in [34.8 mm] |
| Width/Dia. | 0.59 in [14.99 mm] |
| Weight | 0.041 lbs [18.6 g] |

Material Specifications

| Description | Material | Plating |
|--------------|----------|----------------------------|
| Contact | Brass | Gold 30µ in. minimum |
| Insulation | Teflon | |
| Body | Brass | Nickel 100µ in. minimum |
| Coupling Nut | Brass | Nickel 100µ in. minimum |

Environmental Specifications

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

Compliance Certifications

 (visit 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: [TNC Male Connector Crimp/Solder Attachment For RG213, RG8 PE4446](#)



TNC Male Connector Crimp/Solder Attachment For RG213, RG8

RF Connectors Technical Data Sheet

PE4446

Plotted and Other Data

Notes:

TNC Male Connector Crimp/Solder Attachment For RG213, RG8 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.

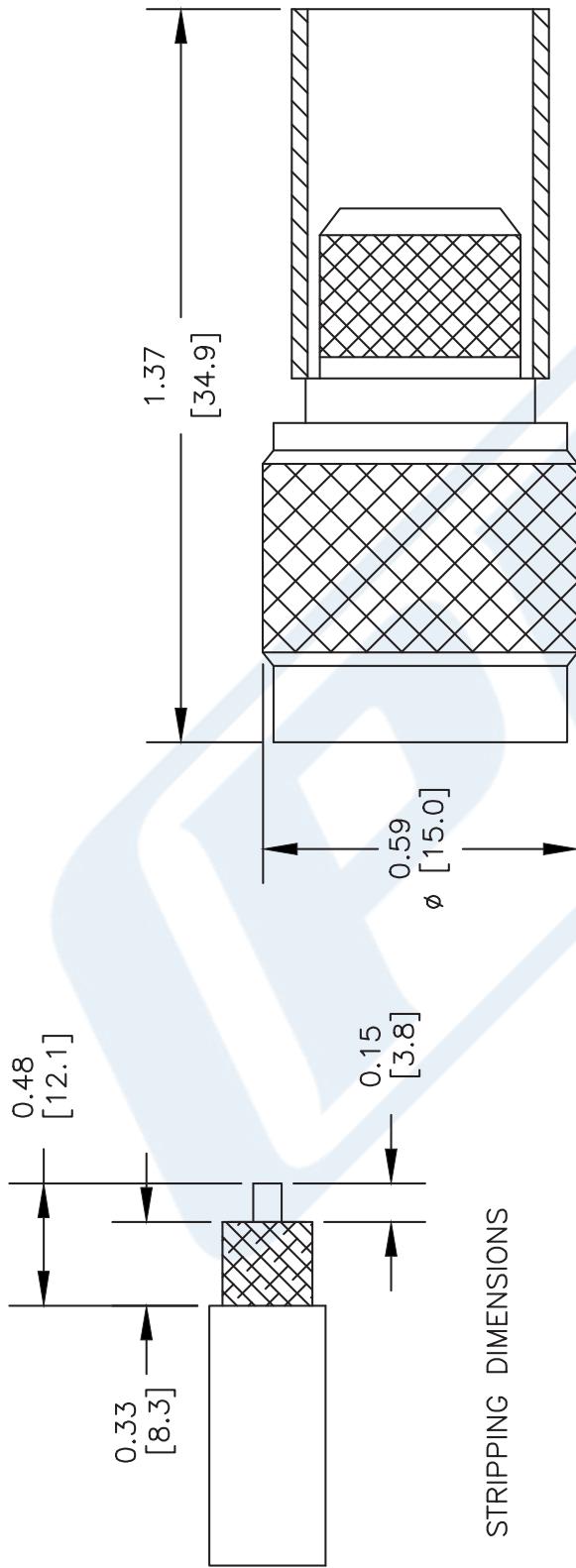
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Solder Attachment For RG213, RG8 PE4446](#)

URL: <http://www.pasternack.com/tnc-male-standard-rg213-rg8-connector-pe4446-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.

PE4446 CAD Drawing

TNC Male Connector Crimp/Solder Attachment For RG213, RG8



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.

| PASTERNAK® | DWG TITLE | PE4446 | FSCM NO. 53919 | | | SCALE N/A | SIZE A | 127 |
|------------|--|--------|----------------|--------|-----------|-----------|--------|-----|
| REV. - | REV. - | REV. - | CAD FILE | 052202 | SCALE N/A | SIZE A | 127 | 127 |
| PE | Pasterнак Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasterнак.com E-Mail: sales@pasterнак.com | | | | | | | |

TNC Female Connector Clamp/Solder Attachment
 for RG213, RG214, RG8, RG9, RG11, RG225,
 RG393, RG144, RG216, RG215



RF Connectors Technical Data Sheet

PE4155

Configuration

- TNC Female Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 Interface Type
- Clamp/Solder Attachment

Features

- Gold Plated Brass Contact
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4155 TNC female connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216 and RG215 is part of our full line of RF components available for same-day shipping.

Our TNC female connector PE4155 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 | 1.49 in [37.85 mm] |
| Width/Dia. | 0.748 in [19.00 mm] |
| Weight | 0.082 lbs [37.19 g] |

Material Specifications

| Description | Material | Plating |
|-------------|----------|--------------------------------|
| Contact | Brass | Gold 30 μ in minimum |
| Insulation | PTFE | |
| Body | Brass | Nickel 100 μ in minimum |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4155](#)

TNC Female Connector Clamp/Solder Attachment
for RG213, RG214, RG8, RG9, RG11, RG225,
RG393, RG144, RG216, RG215



RF Connectors Technical Data Sheet

PE4155

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

Plotted and Other Data

Notes:

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URL: <https://www.pasternack.com/tnc-female-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe4155-p.aspx>

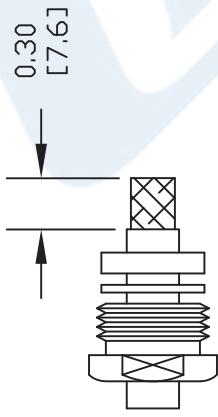
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PE4155 CAD Drawing

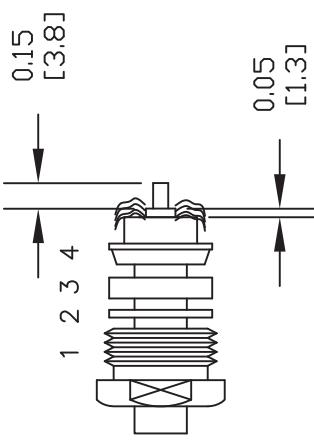
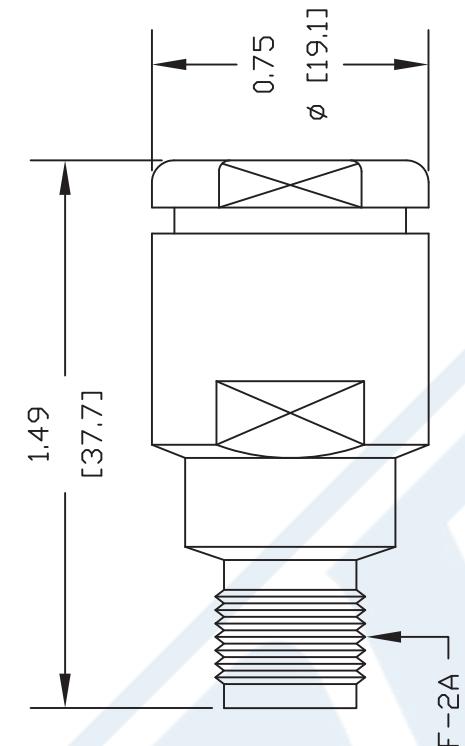
TNC Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



PE PASTERNACK®

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PE4155

DWG TITLE

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FSCM NO. 53919 CAD FILE 042309 SCALE N/A SIZE A 147



Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

RG213/U

Configuration

| | |
|--------------------------------------|--------------|
| Inner Conductor Material and Plating | Copper |
| Dielectric Type | PE |
| Shield Materials | Copper Braid |
| Jacket Material and Color | PVC, Black |

Electrical Specifications

| | |
|----------------------------------|---------------|
| Impedance, Ohms | 50 |
| Velocity of Propagation, % | 66 |
| Maximum Operating Frequency, MHz | 1000 |
| Capacitance, pF/ft [pF/m] | 30.8 [101.05] |

Electrical Specifications by Frequency

Frequency 1

| | |
|---------------------------------|------------|
| Frequency, MHz | 100 |
| Attenuation, dB/100ft [dB/100m] | 2.1 [6.89] |

Frequency 2

| | |
|---------------------------------|-------------|
| Frequency, MHz | 400 |
| Attenuation, dB/100ft [dB/100m] | 4.8 [15.75] |

Frequency 3

| | |
|---------------------------------|-----------|
| Frequency, MHz | 1000 |
| Attenuation, dB/100ft [dB/100m] | 8 [26.25] |

Mechanical Specifications

Inner Conductor

| | |
|-------------------|-------------|
| Number of Strands | 7 |
| Material | Copper |
| Diameter, in [mm] | 0.09 [2.29] |

Dielectric:

| | |
|-------------------|--------------|
| Type | PE |
| Diameter, in [mm] | 0.285 [7.24] |

Shield:

| | |
|-------------------|--------------|
| Number of | 1 |
| Material 1 | Copper Braid |
| Diameter, in [mm] | 0.314 [7.98] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket RG213/U](#)



Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

RG213/U

Jacket:

| | |
|-----------------------|---------------|
| Material | PVC |
| Diameter, in [mm] | 0.405 [10.29] |
| Color | Black |
| Weight, lbs/ft [Kg/m] | 0.115 [0.17] |

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

RoHS Compliant
REACH Compliant

06/18/2012

Plotted and Other Data**Notes:**

- Values at +25 °C, sea level
- Max. Operating Voltage(VRMS): 5000

Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket 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.

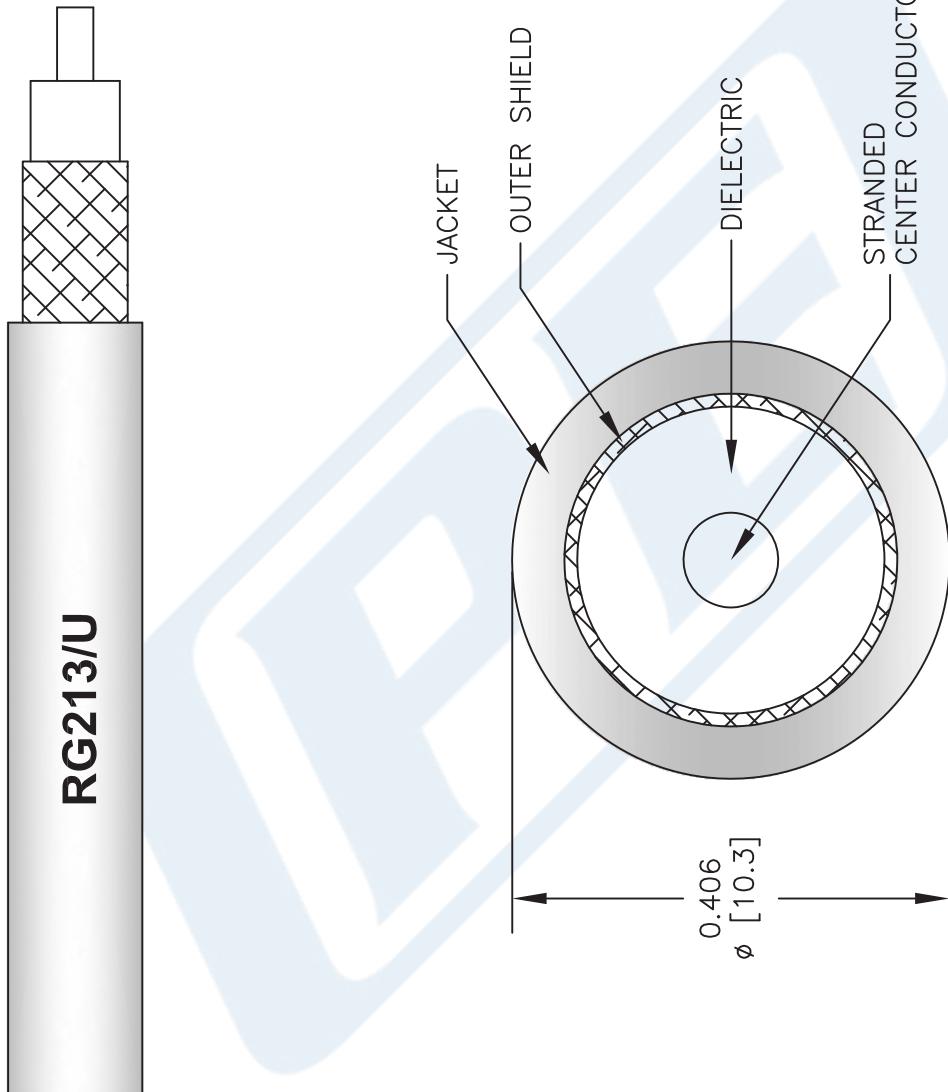
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URL: <http://www.pasternack.com/flexible-0.405-rg213-50-ohm-coax-cable-pvc-jacket-rg213-u-p.aspx>

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RG213/U CAD Drawing

Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket



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| PASTERNACK | DWG TITLE | RG213/U | | |
|------------|-----------|----------|-------|-----|
| FSCM NO. | CAD FILE | 061312-B | SCALE | N/A |
| | | | SIZE | A |
| | | | 2233 | |

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