PASTERNACK®
THE ENGINEER'S RF SOURCE



# LC Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215

## RF Connectors Technical Data Sheet PE4564

## Configuration

- LC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG213, RG214, RG8, RG9, RG225, RG393, RG215 Interface Type
- Clamp/Solder Attachment

## Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

## Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4564 LC male connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG225, RG393 and RG215 is part of our full line of RF components available for same-day shipping.

Our LC male connector PE4564 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 | 2.72 in [69.09 mm] |
| Width/Dia. | 1.5 in [38.10 mm] |
| Weight | 0.494 lbs [224.07 g] |

**Material Specifications**

| Description | Material | Plating |
|---|---|---|
| Contact | | Silver<br>QQ-S-365 |
| Insulation | PTFE | |
| Body | Brass | Nickel<br>QQ-N-290 |
| Coupling Nut | Brass | Nickel<br>QQ-N-290 |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: LC Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE4564

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# LC Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215



**Compliance Certifications** (see product page for current document)

**Plotted and Other Data**

Notes:

LC Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 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: LC Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE4564

URL: https://www.pasternack.com/lc-male-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe4564-p.aspx

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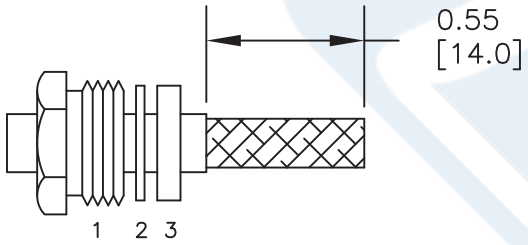


# PE4564 CAD Drawing

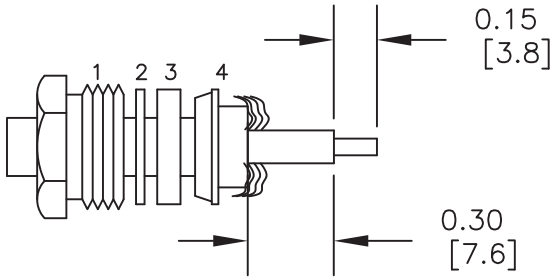
LC Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215

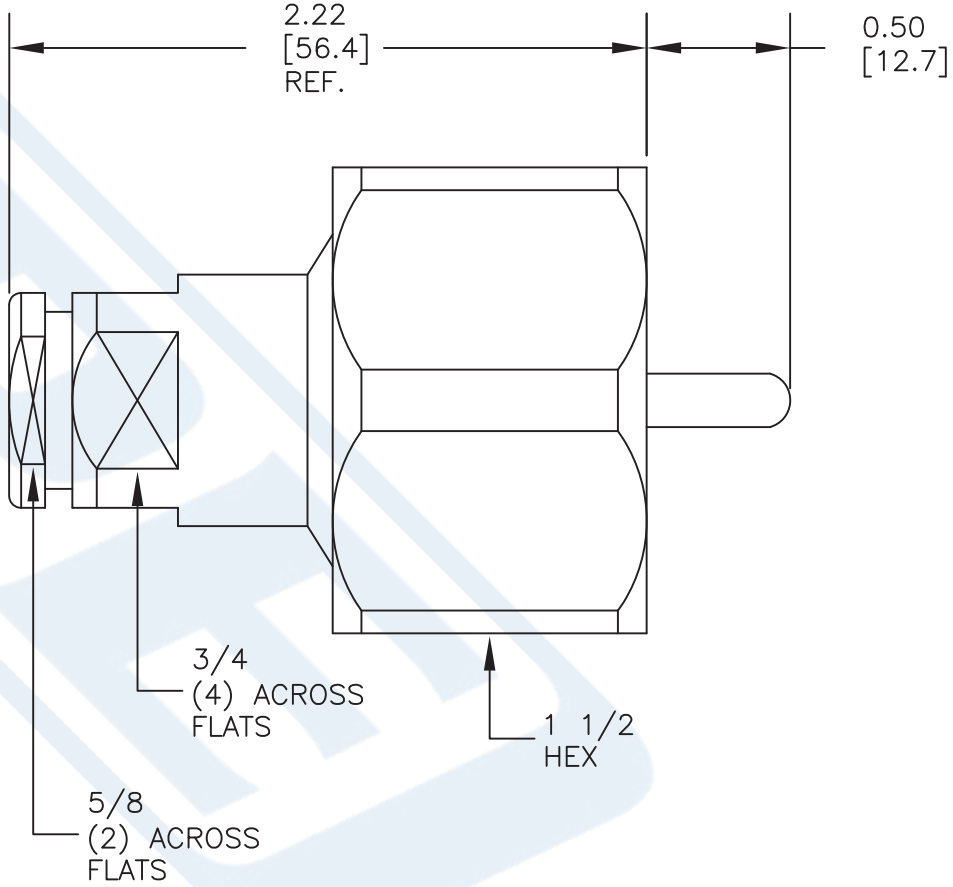
## ASSEMBLY PROCEDURES

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.**




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DWG TITLE

**PE4564**

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 040814 | SCALE N/A | SIZE A | 2233 |
|---|---|---|---|---|

PASTERNACK®
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# BNC Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215



## RF Connectors Technical Data Sheet PE4212

## Configuration

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

## Features

- Max. Operating Frequency 4 GHz
- Gold over Nickel Plated Brass Contact
- Contact plating according to MIL-G-45204

## Applications

- General Purpose Test
- Custom Cable Assemblies

### Description

Pasternack's PE4212 BNC 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 BNC female connector operates up to a maximum frequency of 4 GHz.

Our BNC female connector PE4212 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 |
| Operating Voltage (AC) | | | 500 | Vrms |
| Dielectric Withstanding Voltage (AC) | | | 1,500 | Vrms |
| Insulation Resistance | 5,000 | | | MOhms |

### Mechanical Specifications

**Size**

| | |
|---|---|
| Length | 1.53 in [38.86 mm] |
| Width/Dia. | 0.75 in [19.05 mm] |
| Weight | 0.068 lbs [30.84 g] |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: BNC Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4212

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



## RF Connectors Technical Data Sheet PE4212

### Material Specifications

| Description | Material | Plating |
|---|---|---|
| Contact | Brass | Gold over Nickel<br>MIL-G-45204 |
| Insulation | PTFE | |
| Body | Brass | Nickel<br>QQ-N-290 |

### Environmental Specifications

**Temperature**

Operating Range -65 to +165 deg C

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

### Plotted and Other Data

Notes:

BNC Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 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 Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4212

URL: https://www.pasternack.com/bnc-female-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe4212-p.aspx

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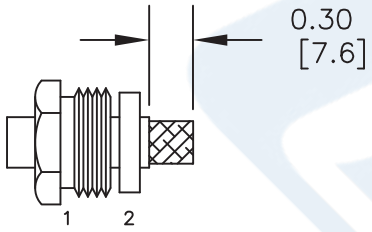
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# PE4212 CAD Drawing

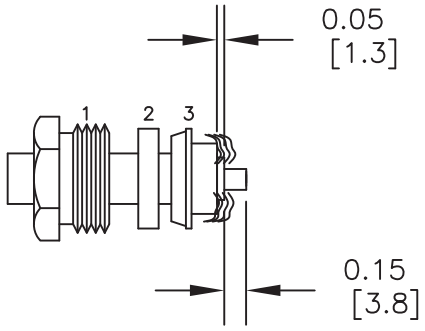
BNC Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

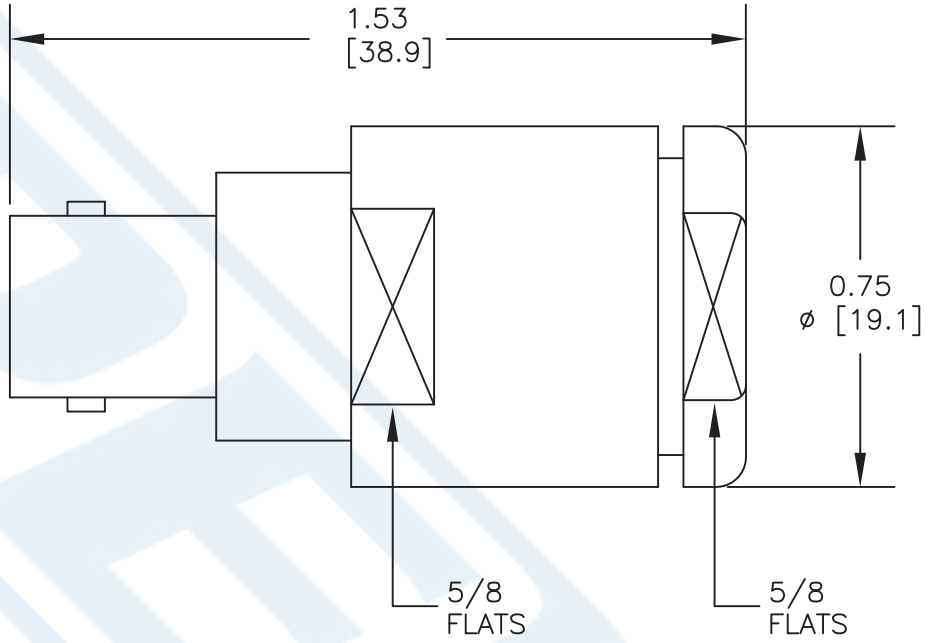
## ASSEMBLY PROCEDURES

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




2. FORM BRAID OVER CLAMP NUT (3). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC 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.




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DWG TITLE

**PE4212**

**FSCM NO. 53919**

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.

| CAD FILE 082815 | SCALE N/A | SIZE A | 2233 |
|---|---|---|---|

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# 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

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# 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.

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

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

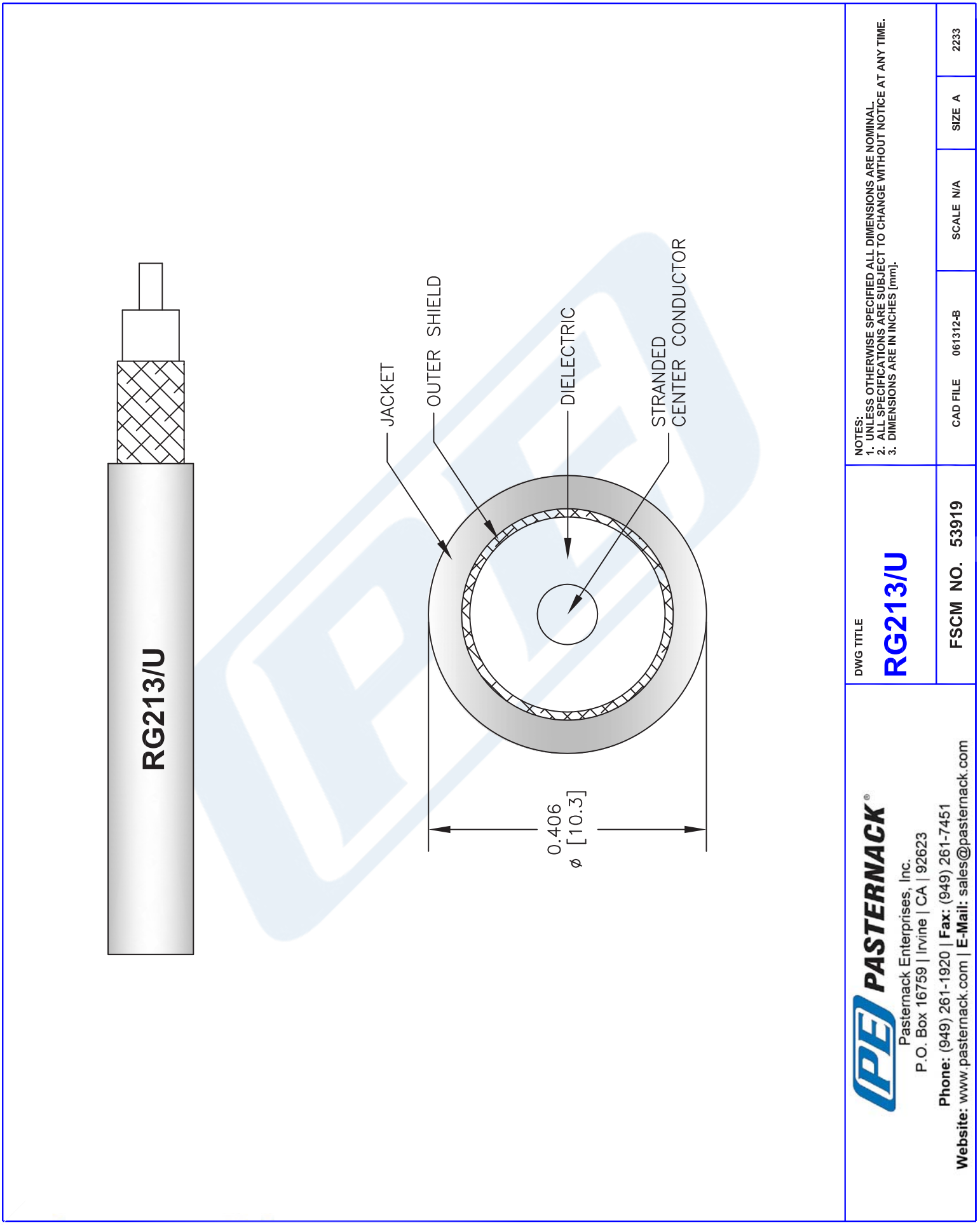
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# RG213/U CAD Drawing

Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket




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