



## MHV Female Bulkhead Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393

### RF Connectors Technical Data Sheet

**PE44105**

#### Configuration

- MHV Female Connector
- MIL-C-39012
- 50 Ohms
- Straight Body Geometry

- Connector Interface Types: RG213, RG214, RG8, RG9, RG11, RG225, RG393
- Bulkhead

#### Features

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

#### Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies

#### Description

Pasternack's PE44105 MHV female bulkhead connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG11, RG225 and RG393 is part of our full line of RF components available for same-day shipping. This MHV bulkhead connector allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

Our MHV female bulkhead connector PE44105 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  
Width/Dia.  
Weight

1.8 in [45.72 mm]  
0.75 in [19.05 mm]  
0.081 lbs [36.74 g]

#### Material Specifications

| Description | Material | Plating            |
|-------------|----------|--------------------|
| Contact     |          | Silver<br>QQ-S-365 |
| Insulation  | Teflon   |                    |
| Body        | Brass    | Nickel             |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Female Bulkhead Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393 PE44105](#)



## MHV Female Bulkhead Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393

### RF Connectors Technical Data Sheet

PE44105

#### Environmental Specifications

##### Temperature

Operating Range

-65 to +165 deg C

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

#### Plotted and Other Data

Notes:

MHV Female Bulkhead Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393 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.

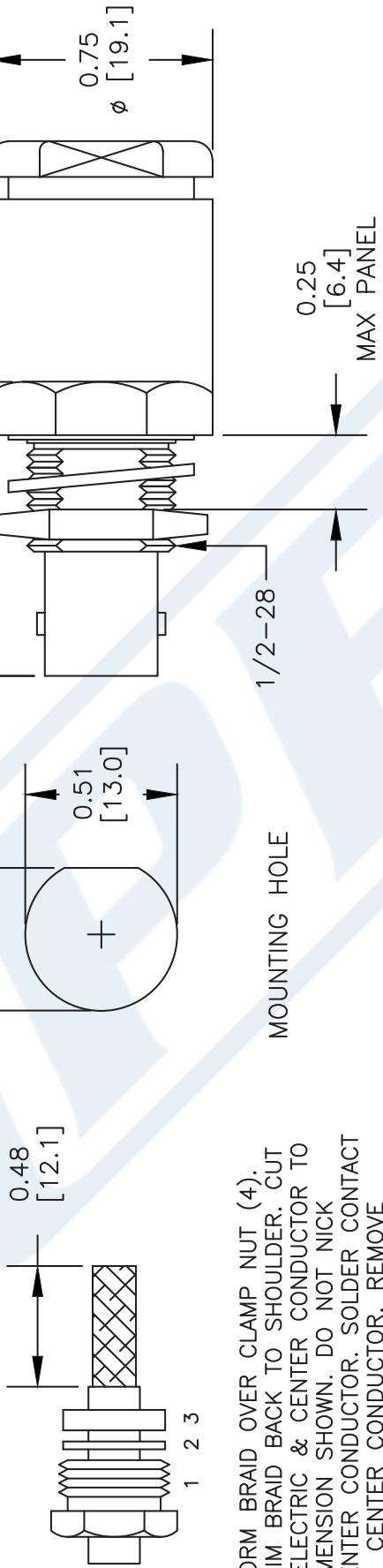
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Female Bulkhead Connector Clamp/Solder Attachment For RG213, RG214, RG8, RG9, RG11, RG225, RG393 PE44105](#)

URL: <https://www.pasternack.com/mhv-female-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe44105-p.aspx>

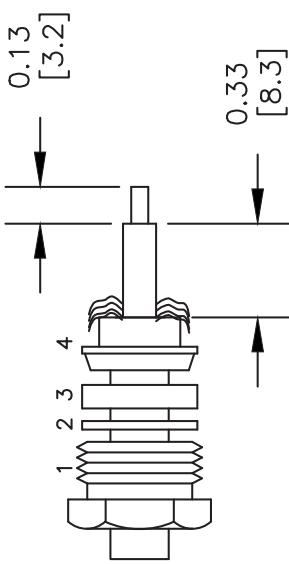
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ASSEMBLY PROCEDURES

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 JACKET.



2. FORM BRAID OVER CLAMP NUT (4). MOUNTING HOLE  
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  
**PE44105**

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. B | FSCM NO. 53919 | CAD FILE 042210-B | SCALE N/A | SIZE A | 147 |
|--------|----------------|-------------------|-----------|--------|-----|
|--------|----------------|-------------------|-----------|--------|-----|

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

### PE4299



#### Configuration

- MHV Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215

#### Features

- Max. Operating Frequency 50 GHz
- Silver Plated Brass Contact
- Contact plating according to QQ-S-365

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4299 , MHV, Standard, Connector is part of our full line of RF components available for same-day shipping. Our MHV male connector operates up to a maximum frequency of 50 GHz.

Our MHV male connector PE4299 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      |         | 50      | GHz   |
| Operating Voltage (AC)               |         |         | 3,500   | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 5,000   | Vrms  |
| Insulation Resistance                | 5,000   |         |         | MOhms |
| Impedance                            |         | 50      |         | Ohms  |

#### Mechanical Specifications

##### Size

|               |                    |
|---------------|--------------------|
| Length        | 1.7 in [43.18 mm]  |
| Width         | 0.75 in [19.05 mm] |
| Weight        | 0.09 lbs [40.82 g] |
| Mating Cycles | 500 Cycles         |

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

**PE4299**



### Material Specifications

| Description     | Material | Plating            |
|-----------------|----------|--------------------|
| Contact         | Brass    | Silver<br>QQ-S-365 |
| Insulation      | PTFE     |                    |
| Outer Conductor | Brass    | Nickel             |
| Body            | Brass    | Nickel<br>QQ-N-290 |
| Coupling Nut    | Brass    | Nickel<br>QQ-N-290 |
| Gasket          | Silicone |                    |
| Washer          | 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:

MHV Male 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 99.4% availability and are part of the broadest selection in the industry.

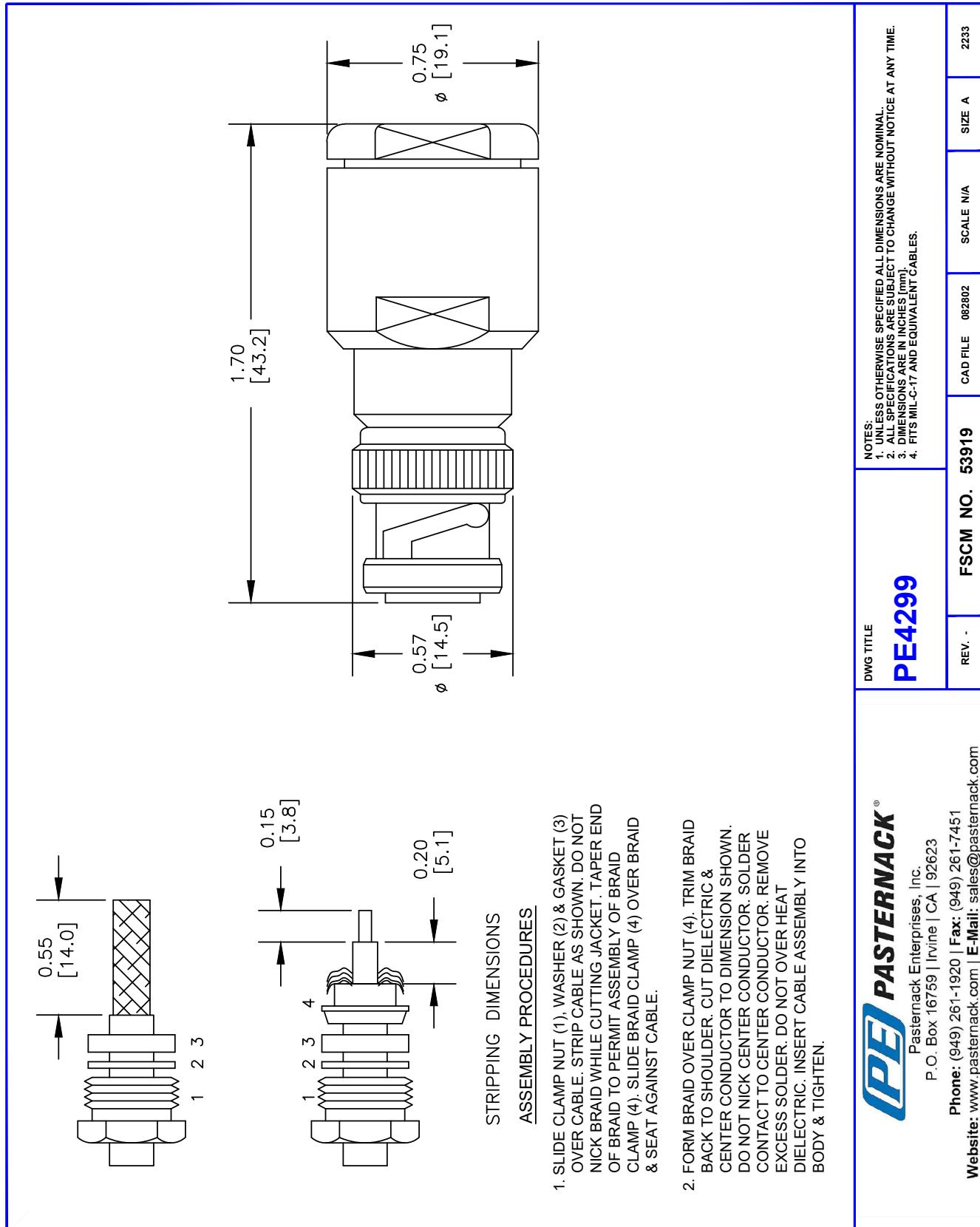
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [MHV Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4299](#)

URL: <https://www.pasternack.com/mhv-male-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe4299-p.aspx>

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# PE4299 CAD Drawing

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





## Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

### RF Cables Technical Data Sheet

RG214/U

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Electrical Specifications

| Description             | Minimum       | Typical | Maximum | Units        |
|-------------------------|---------------|---------|---------|--------------|
| Frequency Range         | DC            |         | 11      | GHz          |
| Impedance               |               | 50      |         | Ohms         |
| Velocity of Propagation |               | 66      |         | %            |
| Operating Voltage (AC)  |               |         | 5,000   | 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     | 10     | GHz      |
| Attenuation, Typ | 0.64 | 2.07 | 7.68 | 20.68 | 36.51  | dB/100ft |
|                  | 2.1  | 6.79 | 25.2 | 67.85 | 119.78 | dB/100m  |

#### Mechanical Specifications

Diameter 0.425 in [10.8 mm]  
 Weight 0.122 lbs/ft [0.18 Kg/m]

Min. Bend Radius (Repeated) 1.6 in [40.64 mm]

#### Construction Specifications

| Description     | Material and Plating                       | Diameter           |
|-----------------|--|--------------------|
| Inner Conductor | Copper, Silver, 7 Strands<br>(7 X 0.02961) | 0.089 in [2.26 mm] |
| Conductor Type  | Stranded                                   |                    |
| Dielectric      | PE   | 0.285 in [7.24 mm] |
| First Shield    | Silver Plated Copper Braid                 |                    |

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)



## Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

### RF Cables Technical Data Sheet

RG214/U

90% coverage

|               |  |                    |
|---------------|--|--------------------|
| Second Shield | Silver Plated Copper Braid<br>90% coverage | 0.331 in [8.41 mm] |
|---------------|--|--------------------|

|        |            |                    |
|--------|------------|--------------------|
| Jacket | PVC, Black | 0.425 in [10.8 mm] |
|--------|------------|--------------------|

#### Environmental Specifications

##### Temperature

Operating Range

-20 to +80 deg C

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

#### Plotted and Other Data

Notes:

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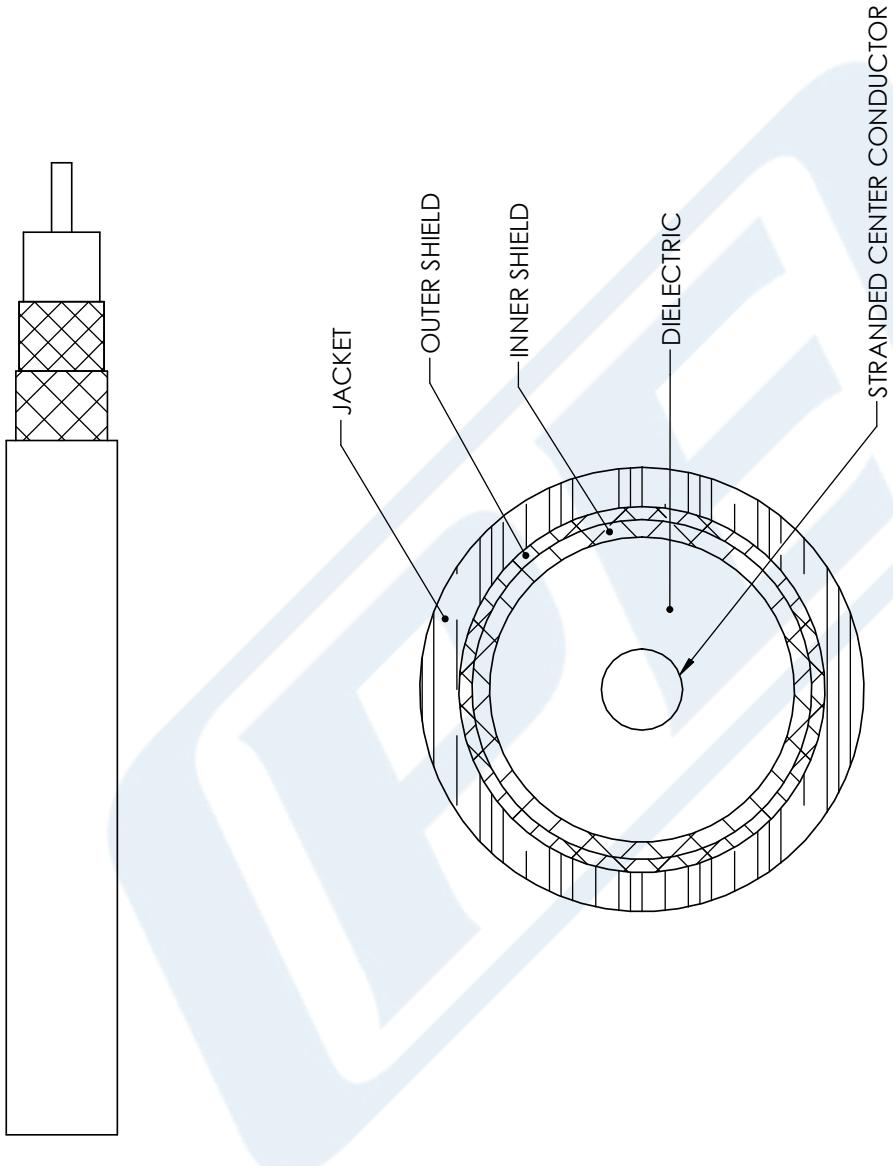
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)

URL: <https://www.pasternack.com/flexible-0.425-rg214-50-ohm-coax-cable-pvc-jacket-rg214-u-p.aspx>

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# RG214/U CAD Drawing

Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket



| STANDARD TOLERANCES |             |  |
|---------------------|-------------|--|
| X                   | $\pm 0.2$   |  |
| .XX                 | $\pm 0.01$  |  |
| .XXX                | $\pm 0.005$ |  |

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

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| CAGE CODE | DWG TITLE | CAD FILE | SCALE | SIZE | A      |
|-----------|-----------|----------|-------|------|--------|
| 53919     | RG214-U   | 11/29/17 | N/A   |      | CN2245 |