



75 Ohm N Male Connector Clamp/Solder Attachment for RG11, RG144, RG216

RF Connectors Technical Data Sheet

PE4509

**Configuration**

- N Male Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- RG11, RG144, RG216 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 PE4509 75 ohm type N male connector with clamp/solder attachment for RG11, RG144 and RG216 is part of our full line of RF components available for same-day shipping.

Our 75 ohm type N male connector PE4509 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	1.5 in [38.1 mm]
Width/Dia.	0.8 in [20.32 mm]
Weight	0.11 lbs [49.9 g]

**Material Specifications**

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel 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: [75 Ohm N Male Connector Clamp/Solder Attachment for RG11, RG144, RG216 PE4509](#)



75 Ohm N Male Connector Clamp/Solder  
Attachment for RG11, RG144, RG216

RF Connectors Technical Data Sheet

PE4509

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

**Plotted and Other Data**

Notes:

75 Ohm N Male Connector Clamp/Solder Attachment for RG11, RG144, RG216 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.

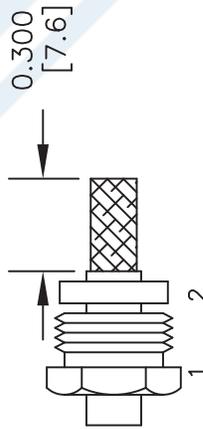
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male Connector Clamp/Solder Attachment for RG11, RG144, RG216 PE4509](#)

URL: <https://www.pasternack.com/n-male-standard-rg11-rg144-rg216-connector-pe4509-p.aspx>

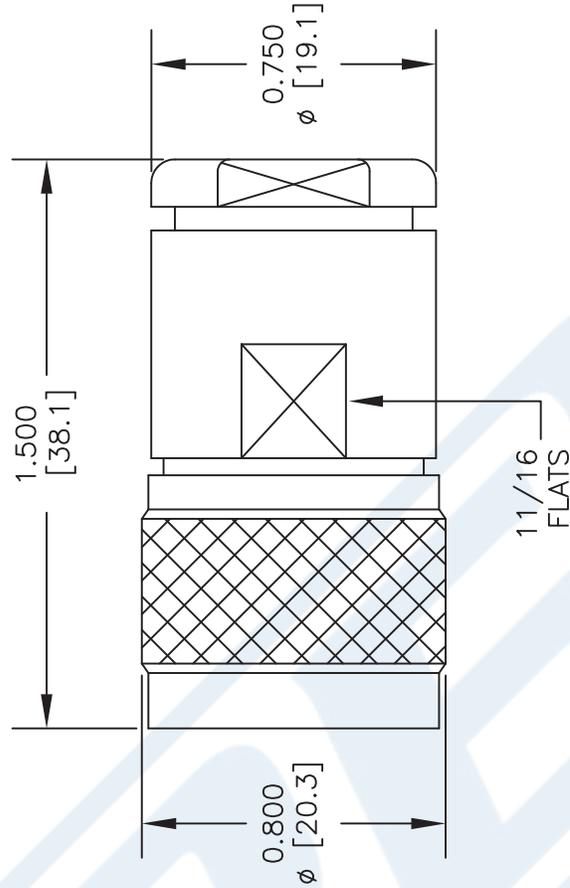
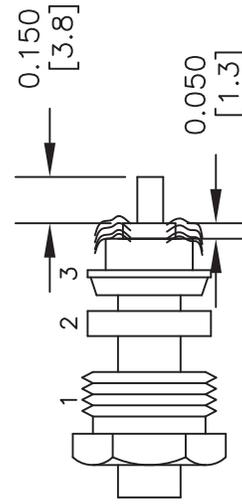
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### ASSEMBLY PROCEDURES

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.



DWG TITLE

**PE4509**

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 102313

SCALE N/A

SIZE A

2233



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75 Ohm BNC Male Connector Clamp/Solder Attachment for RG11, RG144, RG216

RF Connectors Technical Data Sheet

PE4599

**Configuration**

- BNC Male Connector
- MIL-STD-348
- 75 Ohms
- Straight Body Geometry
- RG11, RG144, RG216 Interface Type
- Clamp/Solder Attachment

**Features**

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

**Applications**

- General Purpose Test
- Custom Cable Assemblies
- CATV

**Description**

Pasternack's PE4599 75 ohm BNC male connector with clamp/solder attachment for RG11, RG144 and RG216 is part of our full line of RF components available for same-day shipping.

Our 75 ohm BNC male connector PE4599 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	1.675 in [42.55 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.089 lbs [40.37 g]

**Material Specifications**

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel 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: [75 Ohm BNC Male Connector Clamp/Solder Attachment for RG11, RG144, RG216 PE4599](#)



75 Ohm BNC Male Connector Clamp/Solder  
Attachment for RG11, RG144, RG216

RF Connectors Technical Data Sheet

PE4599

**Environmental Specifications**

**Temperature**

Operating Range

-65 to +165 deg C

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

**Plotted and Other Data**

Notes:

75 Ohm BNC Male Connector Clamp/Solder Attachment for RG11, RG144, RG216 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: [75 Ohm BNC Male Connector Clamp/Solder Attachment for RG11, RG144, RG216 PE4599](#)

URL: <https://www.pasternack.com/bnc-male-standard-rg11-rg216-connector-pe4599-p.aspx>

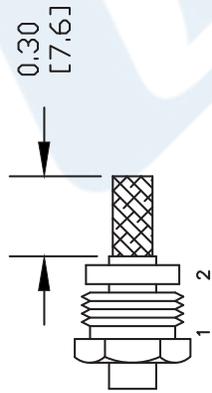
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# PE4599 CAD Drawing

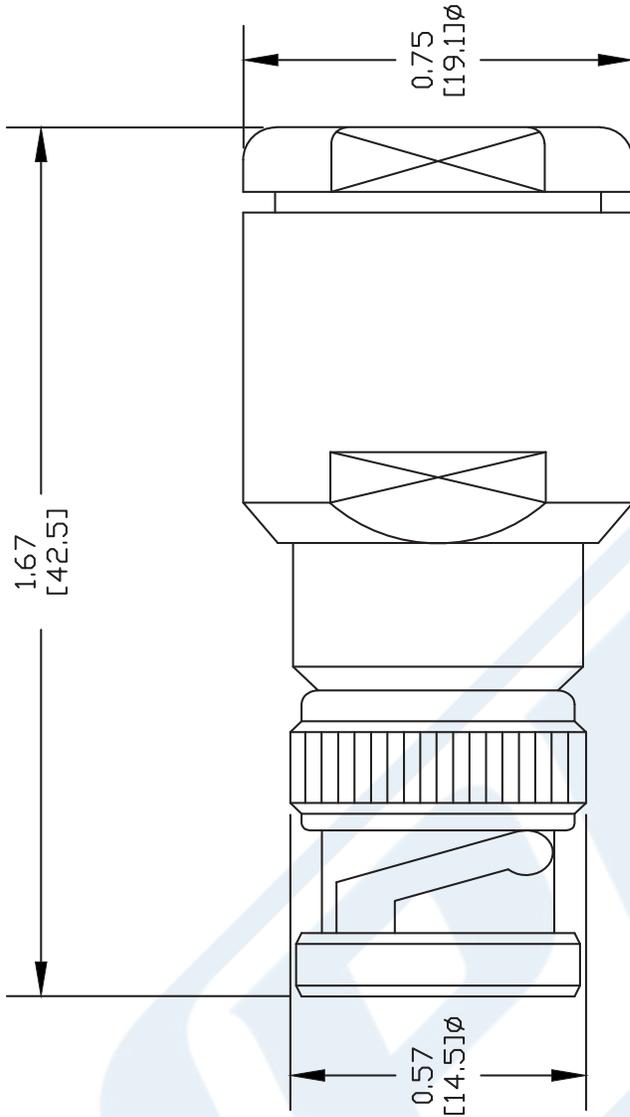
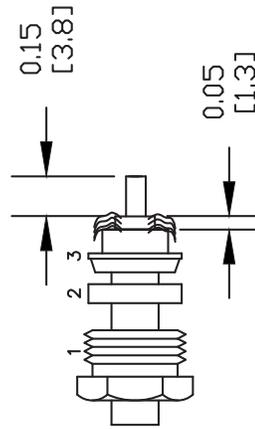
75 Ohm BNC Male Connector Clamp/Solder Attachment for RG11, RG144, RG216

## ASSEMBLY PROCEDURES

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.



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.



DWG TITLE

**PE4599**

- 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.

FSCM NO. 53919

CAD FILE 052402

SCALE N/A

SIZE A

XXXX



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## 75 Ohm Flexible RG216 Coax Cable Double Shielded with Black PVC Jacket

### TECHNICAL DATA SHEET

RG216/U

75 Ohm Flexible RG216 Coax Cable Double Shielded with Black PVC Jacket

#### Configuration

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

#### Electrical Specifications

Impedance, Ohms	75
Velocity of Propagation, %	66
Maximum Operating Frequency, GHz	3
Capacitance, pF/ft [pF/m]	20.7 [67.91]
Maximum Operating Voltage, Volts	3,700
Dielectric Withstanding Voltage, Vrms	10,000

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	0.66 [2.17]
Power Handling, KWatts	2.5

##### Frequency 2

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	2.2 [7.22]
Power Handling, Watts	650

##### Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	9 [29.53]
Power Handling, Watts	150

#### Mechanical Specifications

##### Temperature

Operating Range, deg C	-40 to +80
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##### Inner Conductor

Number of Strands	7
Material	Copper
Plating	Tin
Diameter, in [mm]	0.047 [1.19]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG216 Coax Cable Double Shielded with Black PVC Jacket RG216/U](#)

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## 75 Ohm Flexible RG216 Coax Cable Double Shielded with Black PVC Jacket

### TECHNICAL DATA SHEET

RG216/U

**Dielectric:**

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

**Shield:**

Number of	2
Material 1	Copper Braid
Material 2	Copper Braid
Diameter, in [mm]	0.331 [8.41]

**Jacket:**

Material	PVC
Diameter, in [mm]	0.425 [10.8]
Color	Black
Weight, lbs/ft [Kg/m]	0.134 [0.2]

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

RoHS Compliant	Yes
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**Plotted and Other Data**

Notes:	Values at 25 °C, sea level
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75 Ohm Flexible RG216 Coax Cable Double Shielded with Black PVC Jacket from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

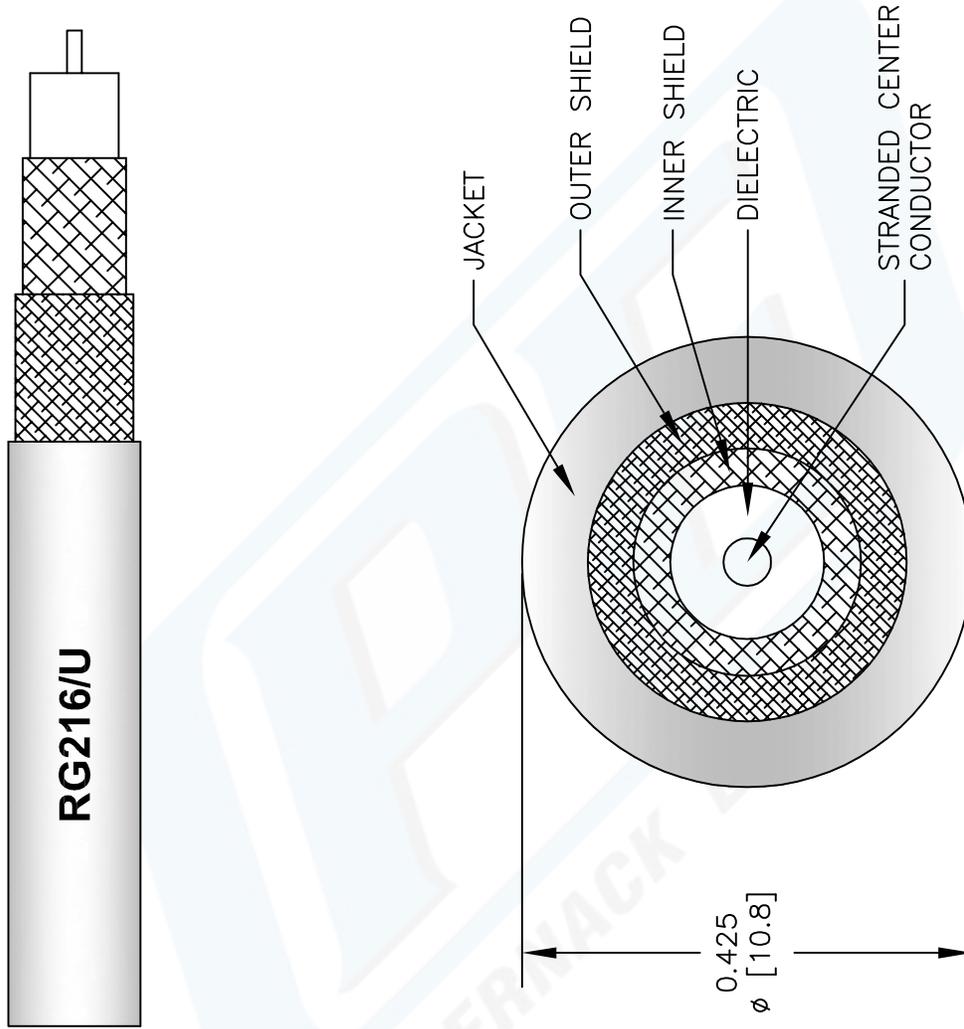
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG216 Coax Cable Double Shielded with Black PVC Jacket RG216/U](#)

URL: <http://www.pasternack.com/flexible-0.425-rg216-75-ohm-coax-cable-pvc-jacket-rg216-u-p.aspx>

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# RG216/U CAD Drawing

75 Ohm Flexible RG216 Coax Cable Double Shielded with Black PVC Jacket



NOTES:  
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 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.  
 3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE  
**RG216/U**

REV. A	FSCM NO. 53919	CAD FILE	040113-A	SCALE	N/A	SIZE	A	147
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