



## SC Male Connector Clamp/Solder Attachment For RG218

### TECHNICAL DATA SHEET

PE4977

#### SC Male Connector Clamp/Solder Attachment For RG218

##### Configuration

Connector	SC Male
Connector Specification	MIL-C-39012
Connector Interface Type	RG218
Cable Attachment Method (Shield/Contact)	Clamp/Solder
Body Style	Straight

##### Electrical Specifications

Impedance, Ohms	50
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##### Mechanical Specifications

###### Temperature

Operating Range, deg C	-65 to +165
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###### Size

Length, in [mm]	2.315 [58.8]
Width/Dia., in [mm]	1.31 [33.27]
Weight, lbs [g]	0.336 [152.41]

##### Connector

Type	SC Male
Contact Material and Plating	Silver
Contact Plating Specification	QQ-S-365
Coupling Nut Material and Plating	Brass, Nickel
Body Material and Plating	Brass, Nickel
Dielectric Type	Teflon

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

RoHS Compliant	Yes
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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: [SC Male Connector Clamp/Solder Attachment For RG218 PE4977](#)

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.



## SC Male Connector Clamp/Solder Attachment For RG218

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#### Plotted and Other Data

Notes:

Values at 25 °C, sea level

SC Male Connector Clamp/Solder Attachment For RG218 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.

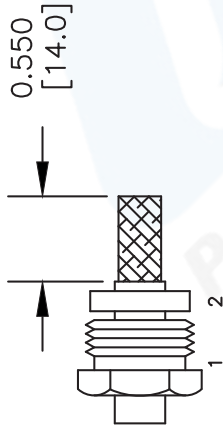
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SC Male Connector Clamp/Solder Attachment For RG218 PE4977](http://www.pasternack.com/sc-male-standard-rg218-connector-pe4977-p.aspx)

URL: <http://www.pasternack.com/sc-male-standard-rg218-connector-pe4977-p.aspx>

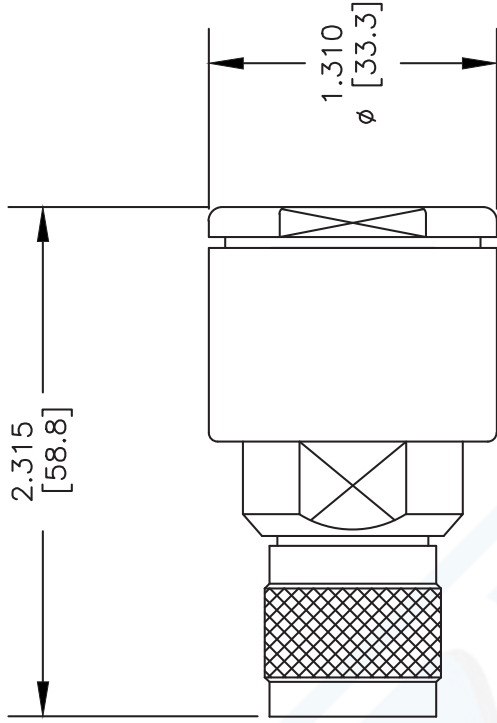
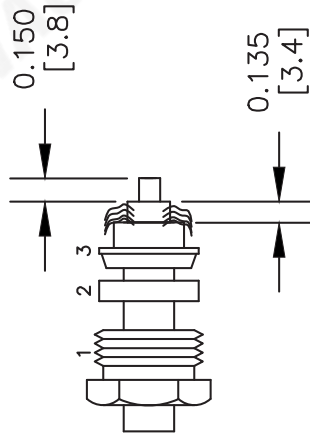
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### ASSEMBLY PROCEDURES

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

PE4977

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

061702

SCALE N/A

SIZE A

XXX



Pasternack Enterprises, Inc.

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## LC Male Connector Clamp/Solder Attachment for RG218, RG219, RG17

### RF Connectors Technical Data Sheet

**PE4323**

#### Configuration

- LC Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- RG218, RG219, RG17 Interface Type
- Clamp/Solder Attachment
- 1 1/2 inch Hex

#### Features

- Max. Operating Frequency 1,000 MHz
- Silver Plated Beryllium Copper Contact
- Contact plating according to ASTM-B700

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4323 LC male connector with clamp/solder attachment for RG218, RG219 and RG17 is part of our full line of RF components available for same-day shipping. Our LC male connector operates up to a maximum frequency of 1,000 MHz.

Our LC male connector PE4323 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		1,000	MHz
Operating Voltage (AC)			5,000	Vrms
Dielectric Withstanding Voltage (AC)			5,000	Vrms

#### Mechanical Specifications

##### Size

Length	3.95 in [100.33 mm]
Width/Dia.	1.5 in [38.10 mm]
Weight	0.84 lbs [381.02 g]

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 RG218, RG219, RG17 PE4323](#)



## LC Male Connector Clamp/Solder Attachment for RG218, RG219, RG17

### RF Connectors Technical Data Sheet

PE4323

#### Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Silver ASTM-B700
Body	Phosphor Bronze	Nickel ASTM-B689
Coupling Nut	Brass	Nickel ASTM-B689

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 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: [LC Male Connector Clamp/Solder Attachment for RG218, RG219, RG17 PE4323](#)

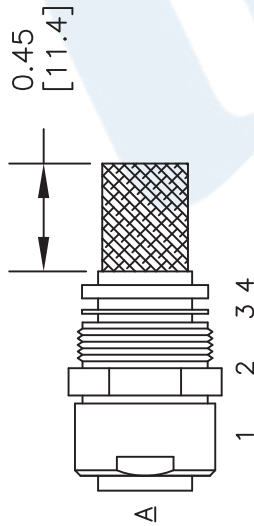
URL: <https://www.pasternack.com/lc-male-standard-rg218-rg219-connector-pe4323-p.aspx>

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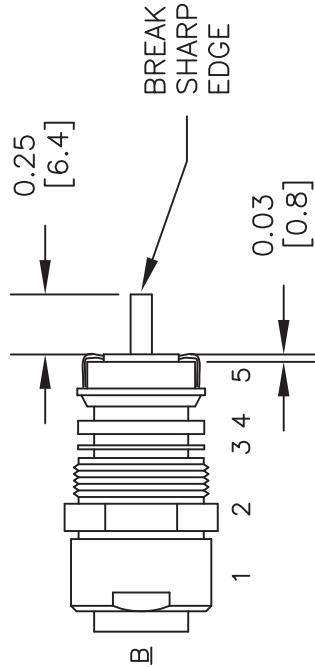


# ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), EXTENSION (2), WASHER (3) & GASKET (4) OVER CABLE. STRIP CABLE AS SHOWN IN A. DO NOT NICK BRAID. WHILE CUTTING JACKET COMB OUT BRAID. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (5). SLIDE BRAID CLAMP (5) OVER BRAID & SEAT AGAINST CABLE.

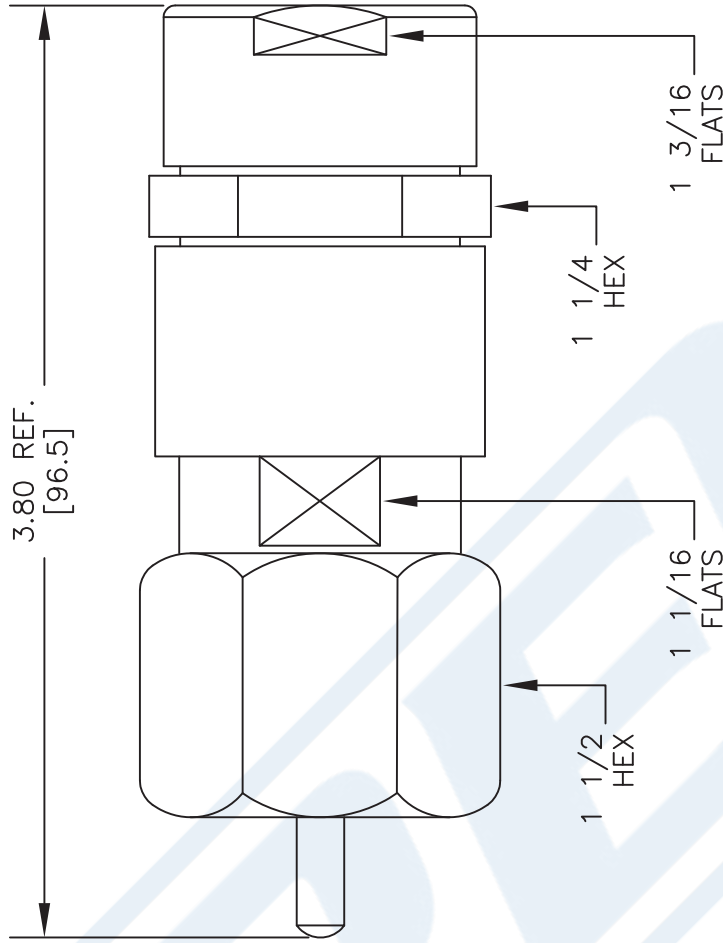


2. FORM BRAID OVER BRAID CLAMP NUT (5). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN IN B. DO NOT NICK CENTER CONDUCTOR. INSERT #12 ALLEN WRENCH INTO SELF-TAPPING CONTACT. THREAD THE SELF-TAPPING CONTACT ONTO CENTER CONDUCTOR UNTIL IT SEATS AGAINST DIELECTRIC. SCREW CONTACT & CABLE ASSEMBLY INTO INSULATOR IN BODY. TIGHTEN BODY & EXTENSION (2) TOGETHER SECURELY. \* THEN TIGHTEN CLAMP NUT (1) TO EXTENSION (2).



## NOTE

RG219 STRAIGHTEN BULGE IN CLAMP NUT (1) & CUT IT SO THAT IT CAN BE CLAMPED TOGETHER TO EXTENSION (2).



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PE4323

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FSCM NO. 53919

CAD FILE 092812-A

SCALE N/A

SIZE A

2233



## Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket

### TECHNICAL DATA SHEET

RG218/U

Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket

#### 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, GHz	5
Capacitance, pF/ft [pF/m]	30.8 [101.05]
Maximum Operating Voltage, Volts	11,000

#### Electrical Specifications by Frequency

##### Frequency 1

Frequency, MHz	10
Attenuation, dB/100ft [dB/100m]	0.23 [0.75]
Power Handling, KWatts	18

##### Frequency 2

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	0.81 [2.66]
Power Handling, KWatts	3.2

##### Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	3.8 [12.47]
Power Handling, Watts	560

##### Frequency 4

Frequency, GHz	5
Attenuation, dB/100ft [dB/100m]	13.5 [44.29]
Power Handling, Watts	160

#### Mechanical Specifications

##### Temperature

Operating Range, deg C	-40 to +80
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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 RG218 Coax Cable Single Shielded with Black PVC Jacket RG218/U](#)

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Flexible RG218 Coax Cable Single  
Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

RG218/U

**Inner Conductor**

Number of Strands	1
Material	Copper
Diameter, in [mm]	0.195 [4.95]

**Dielectric:**

Type	PE
Diameter, in [mm]	0.68 [17.27]

**Shield:**

Number of	1
Material 1	Copper Braid
Diameter, in [mm]	0.728 [18.49]

**Jacket:**

Material	PVC
Diameter, in [mm]	0.87 [22.1]
Color	Black

**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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URL: <http://www.pasternack.com/flexible-0.870-rg218-50-ohm-coax-cable-pvc-jacket-rg218-u-p.aspx>

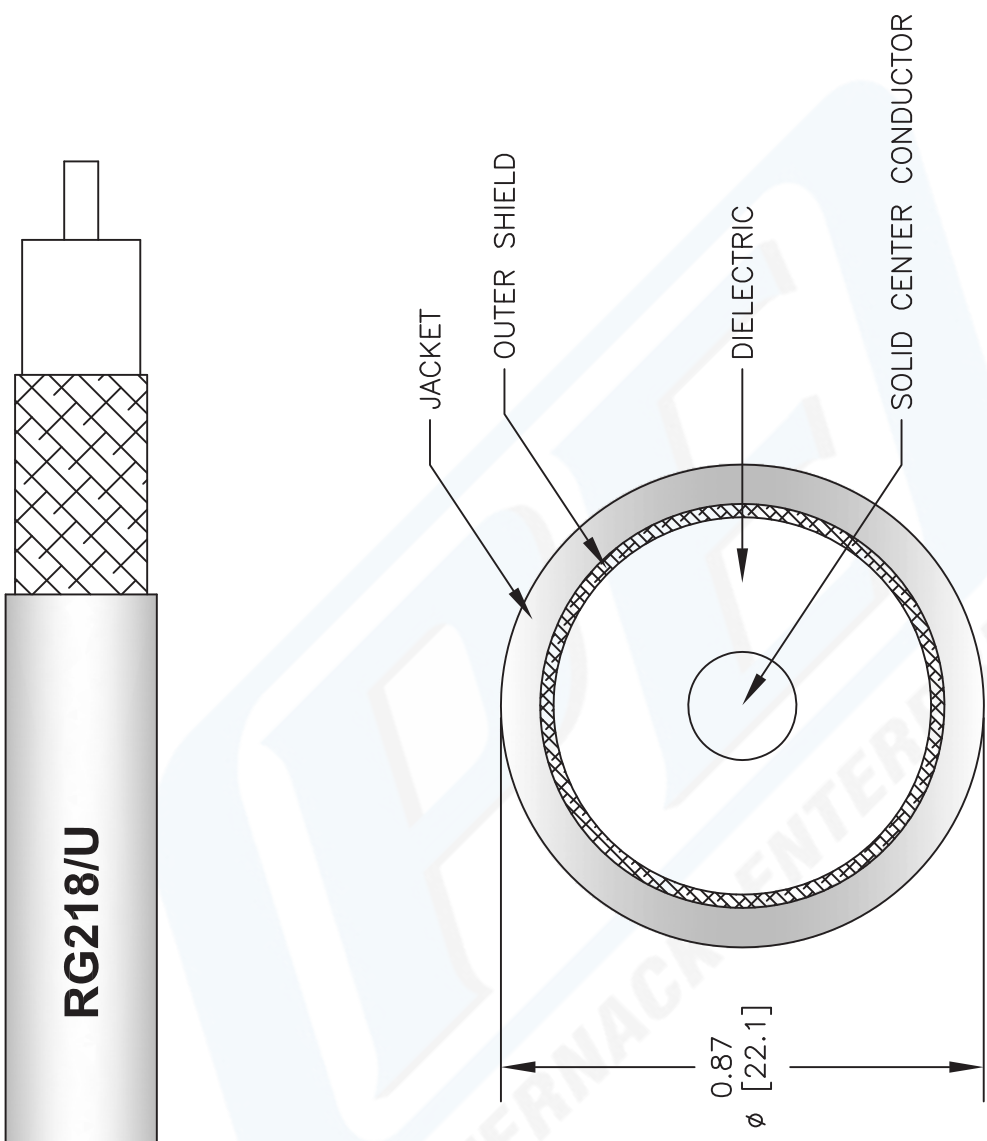
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RG218/U CAD Drawing

Flexible RG218 Coax Cable Single Shielded with Black PVC Jacket



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**RG218/U**

FSCM NO. 53919

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