PASTERNACK®
THE ENGINEER'S RF SOURCE



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

RF Connectors Technical Data Sheet PE44450

Configuration

- LC Female 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 PE44450 LC female 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 female connector PE44450 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	2.7 in [68.58 mm]
Width/Dia.	1.25 in [31.75 mm]
Weight	0.459 lbs [208.2 g]

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	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: LC Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE44450

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623
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LC Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215

RF Connectors Technical Data Sheet PE44450

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

LC Female 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 Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215 PE44450

URL: https://www.pasternack.com/lc-female-standard-rg213-rg214-rg8-rg9-rg225-rg393-connector-pe44450-p.aspx

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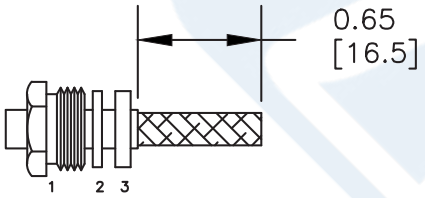
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PE44450 CAD Drawing

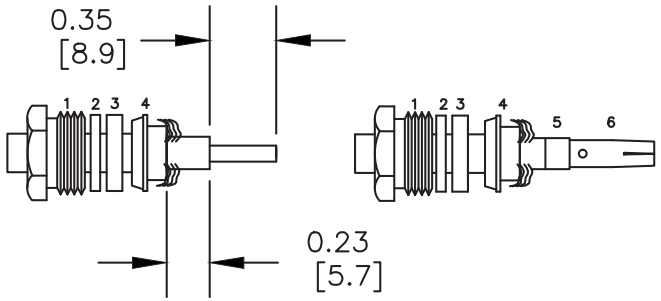
LC Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG225, RG393, RG215

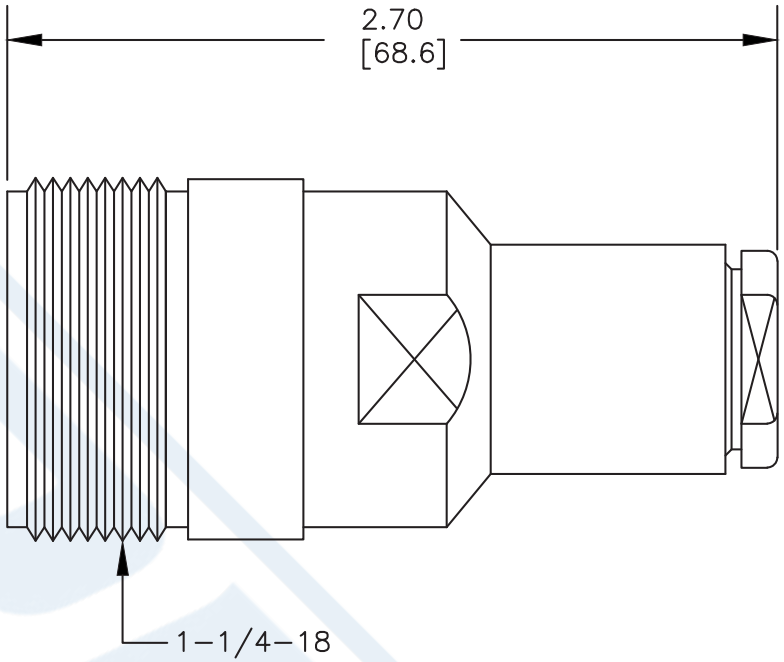
ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. COMB OUT BRAID. TAPER END OF BRAID TO PERMIT ASSEMBLY OF THE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST JACKET.



2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID FLUSH WITH SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. SLIDE PTFE (5) ONTO CONTACT (6), SOLDER CONTACT TO CENTER CONDUCTOR. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.





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DWG TITLE

PE44450

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 040504	SCALE N/A	SIZE A	2233

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

RF Connectors
Technical Data Sheet

PE4243

Configuration

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

Features

- Max. Operating Frequency 6 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4243 type C male 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 type C male connector operates up to a maximum frequency of 6 GHz and offers good VSWR of 1.3:1.

Our type C male connector PE4243 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		6	GHz
VSWR			1.3:1	
Operating Voltage (AC)			1,000	Vrms

Mechanical Specifications

Size

Length	1.5 in [38.1 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.106 lbs [48.08 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: C Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4243

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

RF Connectors
Technical Data Sheet

PE4243

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

Mechanical Specification Notes:
When attaching the connector to the cable use a clamp torque value of 60 to 65 in-lbs [6.78 to 7.34 Nm]

Environmental Specifications

Temperature

Operating Range	-65 to +165 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

C 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: C Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE4243

URL: https://www.pasternack.com/c-male-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe4243-p.aspx

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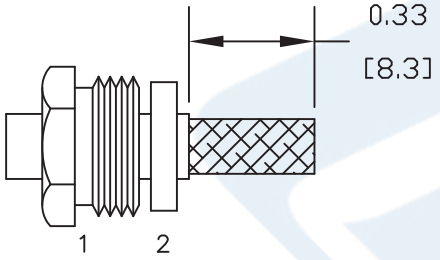
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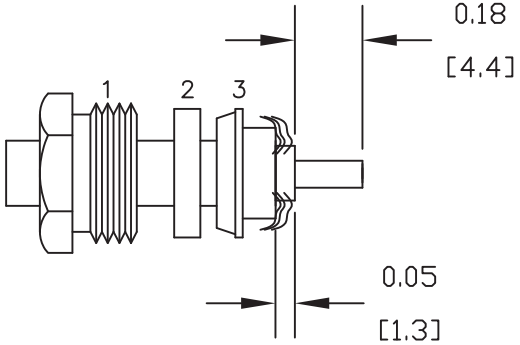
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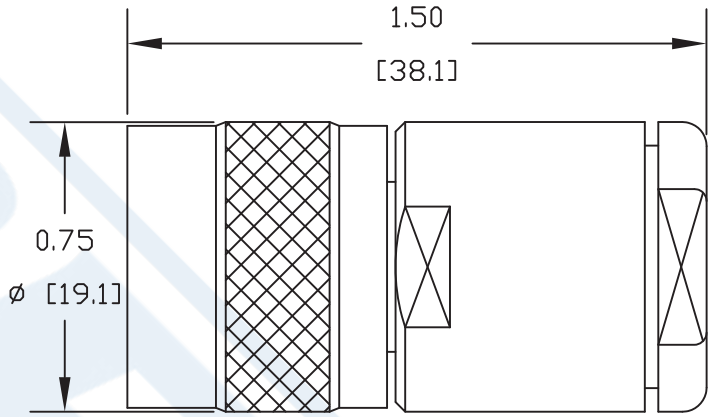
ASSEMBLY PROCEDURES

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.





PE4243 CAD Drawing

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

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DWG TITLE

PE4243

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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

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

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Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables
Technical Data Sheet

RG8A/U

Times Microwave Systems Coax Cable Specification

Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	50	400	700	MHz
Attenuation, Typ	0.2	0.6	1.3	4.1	6.5	dB/100ft
	0.66	1.97	4.27	13.45	21.33	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	900	1,000				MHz
Attenuation, Typ	7.6	8				dB/100ft
	24.93	26.25				dB/100m

Mechanical Specifications

Diameter	0.405 in [10.29 mm]
Weight	0.105 lbs/ft [0.16 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 7 Strands	0.085 in [2.16 mm]

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket RG8A/U

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Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables
Technical Data Sheet

RG8A/U

Conductor Type	Stranded	
Dielectric	PE	0.285 in [7.24 mm]
First Shield	Copper Braid	0.318 in [8.08 mm]
Jacket	PVC (NC), Black	0.405 in [10.29 mm]

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket 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: Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket RG8A/U

URL: https://www.pasternack.com/flexible-0.405-rg8-52-ohm-coax-cable-pvc-jacket-rg8a-u-p.aspx

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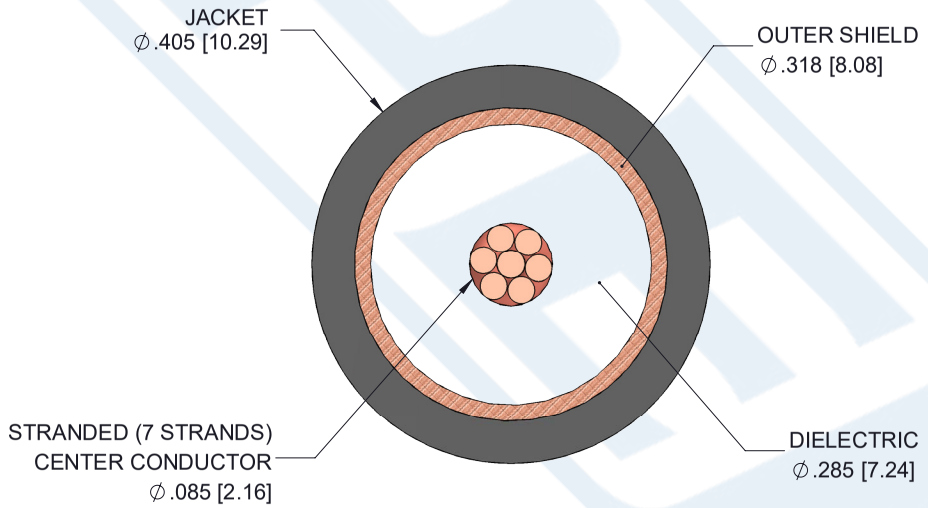
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RG8A/U CAD Drawing

Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket





SECTION VIEW

STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

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DWG TITLE

RG8A/U

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