



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

RF Connectors Technical Data Sheet

PE44055

Configuration

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

Features

- Gold Plated Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44055 UHF 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 UHF female connector PE44055 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	1.6 in [40.64 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.096 lbs [43.54 g]

Material Specifications

Description	Material	Plating
Contact		Gold
Insulation	PTFE	
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: [UHF Female Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG216, RG215 PE44055](#)



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

RF Connectors Technical Data Sheet

PE44055

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

Plotted and Other Data

Notes:

UHF 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.

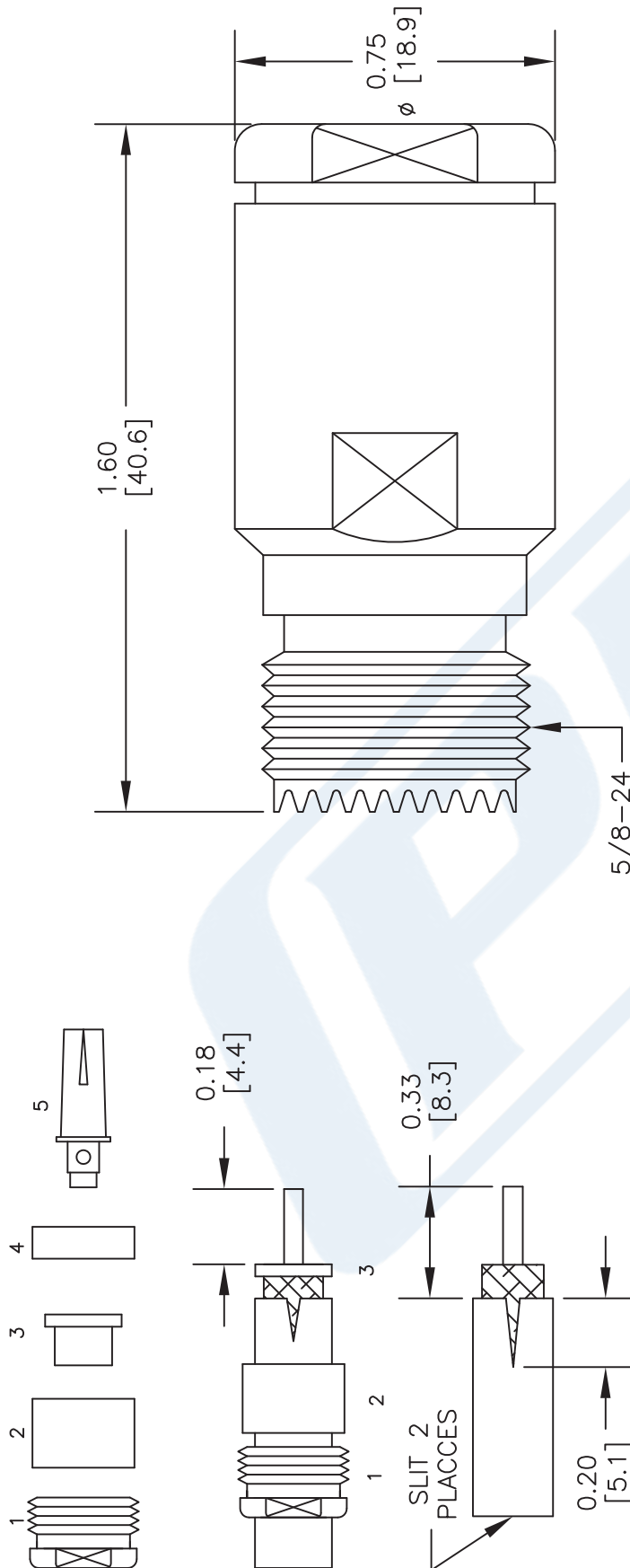
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URL: <https://www.pasternack.com/uhf-female-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe44055-p.aspx>

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

UHF 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.
2. INSERT BRAID CLAMP (3) BETWEEN BRAID & DIELECTRIC. SLIDE INSULATOR (4) OVER CENTER CONDUCTOR INSERT CONTACT (5) IN INSULATOR (4) & SOLDER TO CENTER CONDUCTOR.
3. SLIDE GASKET (2) OVER BRAID & AGAINST BRAID CLAMP.
4. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.

DWG TITLE

PE44055

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 **062402**

SCALE N/A

SIZE A

2233



20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213

RF Connectors Technical Data Sheet

PE45843

Configuration

- 20KV Female Connector
- MIL-STD-202
- Straight Body Geometry
- Connector Interface Types: RG213
- Bulkhead

Features

- Gold over nickel over copper Plated Beryllium Copper Contact
- IP67
- High Density PE Insulator

Applications

- General Purpose Test
- Rack and Panel Mount Applications
- Custom Cable Assemblies
- High Voltage Pulsed RF Transmission

Description

Pasternack's PE45843 20kV high voltage coaxial connector is part of our series of High Voltage coaxial interconnects. This high voltage connector minimizes the risk of electric shock due to its recessed contact design. Both cable connectors and bulkhead receptacles have recessed contacts to withstand unmated high voltage ratings. Additionally, the front mount receptacles in this family of connectors are hermetically sealed. Our 20 kV connectors operate up to maximum frequency of 300 MHz and offers good insulation resistance of 1000MOhm. These connectors allow designers to create external connections on product enclosures in a variety of high voltage transmission applications.

Our 20kV coaxial connector PE45843 has 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
Operating Voltage (DC)			20,000	Vdc
Test Voltage (DC)			30,000	Vdc
Inner Conductor DC Resistance			3	mOhms
Outer Conductor DC Resistance			2	mOhms
Insulation Resistance	1,000			MOhms

Mechanical Specifications

Size	
Length	3.48 in [88.39 mm]
Width	0.93 in [23.62 mm]
Height	0.93 in [23.62 mm]
Weight	0.20 lbs [90.72 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213 PE45843](#)



20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213

RF Connectors Technical Data Sheet

PE45843

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over nickel over copper
Contact Spring		Nickel over Copper
Insulation	PE (HD)	
Body	Brass	Nickel Over Copper
Coupling Nut	Brass	Nickel Over Copper
Gasket	Silicone	
Crimp Sleeve	Brass	Nickel over Copper
Washer	Brass	Nickel over Copper

Environmental Specifications

Temperature

Operating Range

-55 to +85 deg C

Ingress Protection (IP) Rating

IP67

Salt Spray

MIL-STD-202, Method 101, Condition B

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213 PE45843](#)

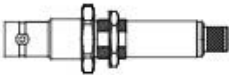
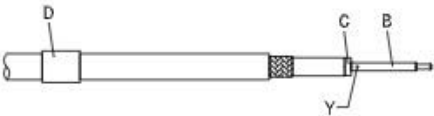
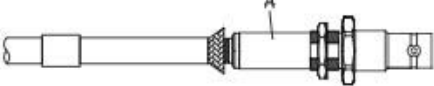
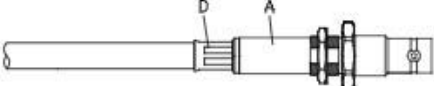


20KV Female Bulkhead Mount Connector
Crimp/Solder Attachment for RG213

RF Connectors
Technical Data Sheet

PE45843

Assembly Instruction

A	B	C	D
			
BODY + LOCK WASHER + GASKET + HEX NUT	CONTACT PIN	GASKET	FERRULE
DIAGRAM	ASSEMBLY INSTRUCTION		
	Step 1: STRIP AS SHOWN.		
	Step 2: SLIDE FERRULE "D" OVER CABLE. Step 3: PUT GASKET "C" AND PIN "B" ON CENTER CONDUCTOR AND SOLDER IN "Y".		
	Step 4: LOOSEN BRAIDING AND SLIDE CONNECTOR "A" IN PLACE.		
	Step 5: SLIDE FERRULE "D" TOWARDS THE CONNECTOR "A" AND CRIMP. (USE 10.7mm/0.421inch HEX SECTION OF INSERT-C)		

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20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213

RF Connectors Technical Data Sheet

PE45843

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20KV Female Bulkhead Mount Connector Crimp/Solder Attachment for RG213





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 0.66	0.6 1.97	1.3 4.27	4.1 13.45	6.5 21.33	dB/100ft dB/100m

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



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.

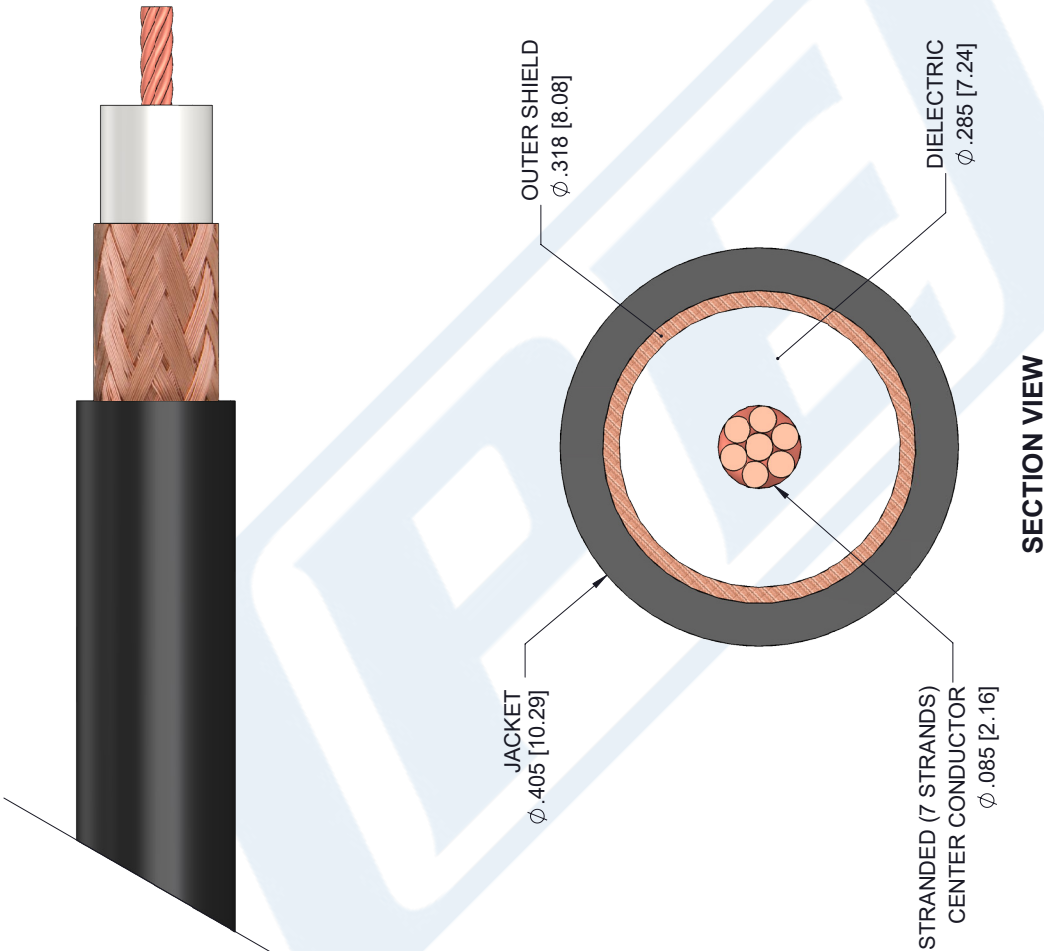
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8A/U](#)

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

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RG8A/U CAD Drawing

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



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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3. DIMENSIONS ARE IN INCHES [mm].

CAGE CODE 53919

CAD FILE 12/21/18

SCALE N/A

SIZE A

7361