



QN Male Connector Crimp/Solder Attachment For RG213, RG215

RF Connectors Technical Data Sheet

PE44597

Configuration

- QN Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG213, RG215

Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44597 QN male connector with crimp/solder attachment for RG213 and RG215 is part of our full line of RF components available for same-day shipping. Our QN male connector operates up to a maximum frequency of 11 GHz.

Our QN male connector PE44597 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		11	GHz
Operating Voltage (AC)			1,000	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 2.5	2.5 to 4	4 to 6			GHz
VSWR, Max	1:1					
Return Loss, Max	27	25	20			dB
Insertion Loss, Max	0.08	0.1	0.12			dB
Input Power (CW), Max	300					Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QN Male Connector Crimp/Solder Attachment For RG213, RG215 PE44597](#)



QN Male Connector Crimp/Solder Attachment For RG213, RG215

RF Connectors Technical Data Sheet

PE44597

Mechanical Specifications

Size

Length	1.73 in [43.94 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.068 lbs [30.84 g]
Mating Cycles	100 Cycles

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Tri-Metal

Environmental Specifications

Temperature

Operating Range	-40 to +125 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

QN Male Connector Crimp/Solder Attachment For RG213, 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.

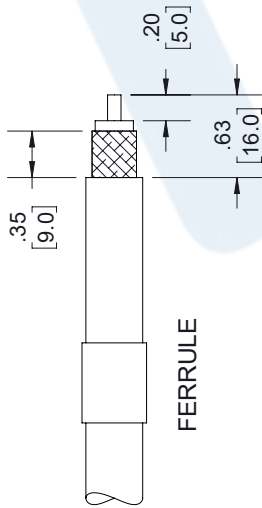
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QN Male Connector Crimp/Solder Attachment For RG213, RG215 PE44597](#)

URL: <https://www.pasternack.com/qn-male-standard-rg213-rg215-connector-pe44597-p.aspx>

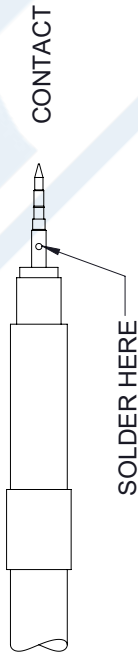
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

ASSEMBLY PROCEDURES

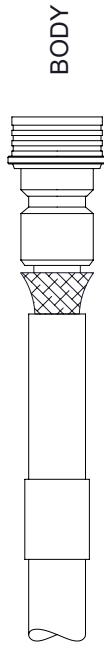
1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.



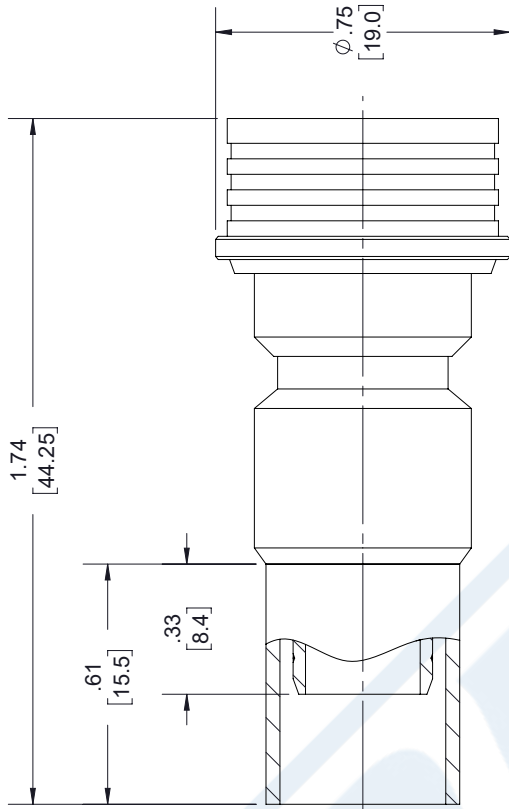
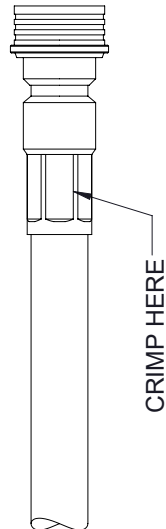
2. INSERT CENTER CONDUCTOR TO CONTACT AND SOLDER IT.



3. INSERT STRIPPED CABLE INTO BODY UNTIL CONTACT ENGAGES PERCEPTIBLY.

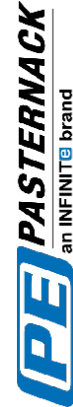


4. SLIDE FERRULE OVER BRAID UP TO THE CONNECTOR BODY AND CRIMP AS CLOSE TO THE CONNECTOR BODY AS POSSIBLE USING A .429" HEX CRIMP TOOL.

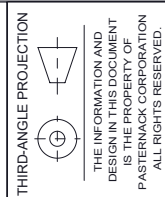


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	PCR PE44597 20200812	10/12/2020	SRAUTUS

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
.X = ± .2	[.08]
.XX = ± .02	[.51]
.XXX = ± .005	[.13]
ANGLES ± 1°	
CABLE LENGTH (L) TOLERANCES:	
L ≤ 12 [305] = +1 [25] / -0	
12 [305] < L ≤ 60 [1524] = +2 [51] / -0	
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0	
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0	
300 [7620] < L = +5% / -0	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	



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SHEET	1	OF	1
SCALE	N/A		
REV	A		

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N Female Connector Crimp/Solder Attachment for RG213, RG8



PE4435

Configuration

- N Female Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG213, RG8

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4435 type N , N, Standard, Connector is part of our full line of RF components available for same-day shipping.

Our type N female connector PE4435 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
Impedance		50		Ohms

Mechanical Specifications

Size

Weight

0.082 lbs [37.19 g]

Material Specifications

Description	Material	Plating
Body	Brass	Nickel

Environmental Specifications

Temperature

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

Plotted and Other Data

Notes:

N Female Connector Crimp/Solder Attachment for RG213, RG8



PE4435

N Female Connector Crimp/Solder Attachment for RG213, RG8 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.

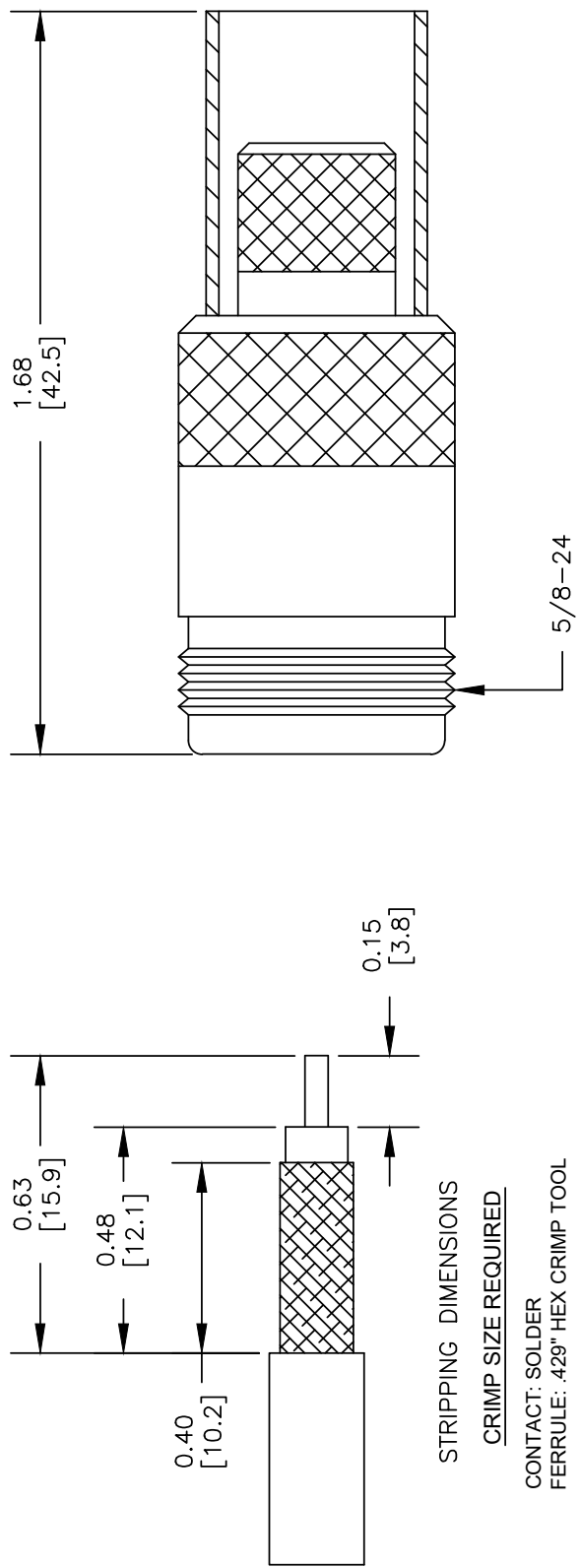
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment for RG213, RG8 PE4435](https://www.pasternack.com/n-female-rg213-rg8-connector-pe4435-p.aspx)


URL: <https://www.pasternack.com/n-female-rg213-rg8-connector-pe4435-p.aspx>

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PE4435 CAD Drawing

N Female Connector Crimp/Solder Attachment for RG213, RG8



DWG TITLE		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.			
PE4435					
REV. -	FSCM NO. 53919	CAD FILE 051402	SCALE N/A	SIZE A	2233
<div><div> PASTERNAK®</div><div>Pasternack Enterprises, Inc. P.O. Box 16759 Irvine CA 92623 Phone: (949) 261-1920 Fax: (949) 261-7451 Website: www.pasternack.com E-Mail: sales@pasternack.com</div></div>					



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](#)



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.

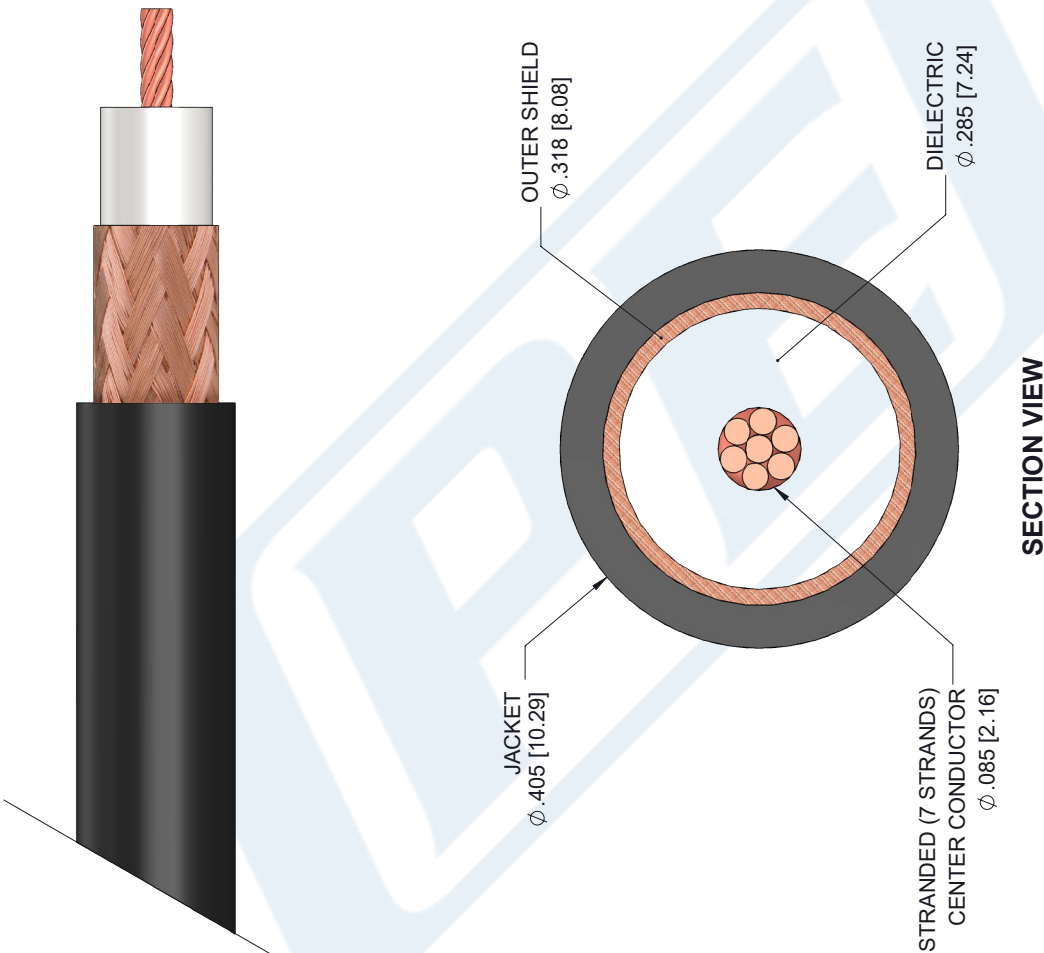
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8A/U](#)

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