



QN Male Connector Crimp/Solder Attachment For RG213, RG215

TECHNICAL DATA SHEET

PE44597

QN Male Connector Crimp/Solder Attachment For RG213, RG215

Configuration

Connector	QN Male
Connector Interface Type	RG213, RG215
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

Electrical Specifications

Frequency Range, GHz	DC to 11
Impedance, Ohms	50
Maximum Operating Voltage, Volts	1,000
Dielectric Withstanding Voltage, Vrms	2,500

Frequency 1

Frequency, GHz	DC to 2.5
VSWR	1:1
Return Loss, dB	27
Insertion Loss, dB	0.08
Power Handling, Watts	300

Frequency 2

Frequency, GHz	2.5 to 4
Return Loss, dB	25
Insertion Loss, dB	0.1

Frequency 3

Frequency, GHz	4 to 6
Return Loss, dB	20
Insertion Loss, dB	0.12

Mechanical Specifications

Temperature

Operating Range, deg C	-40 to +125
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Size

Length, in [mm]	1.73 [43.94]
Width/Dia., in [mm]	0.75 [19.05]
Weight, lbs [g]	0.082 [37.19]

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](#)

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.



QN Male Connector Crimp/Solder Attachment For RG213, RG215

TECHNICAL DATA SHEET

PE44597

Connector

Type	QN Male
Mating Cycles	100
Contact Material and Plating	Brass, Gold
Body Material and Plating	Brass, Tri-Metal
Dielectric Type	PTFE

Compliance Certifications (visit 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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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 fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

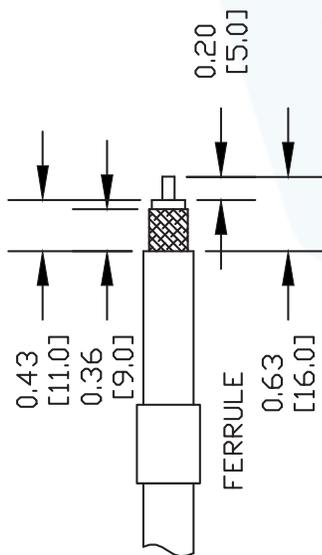
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URL: <http://www.pasternack.com/qn-male-standard-rg213-rg215-connector-pe44597-p.aspx>

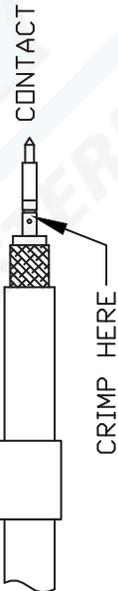
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ASSEMBLY PROCEDURES

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



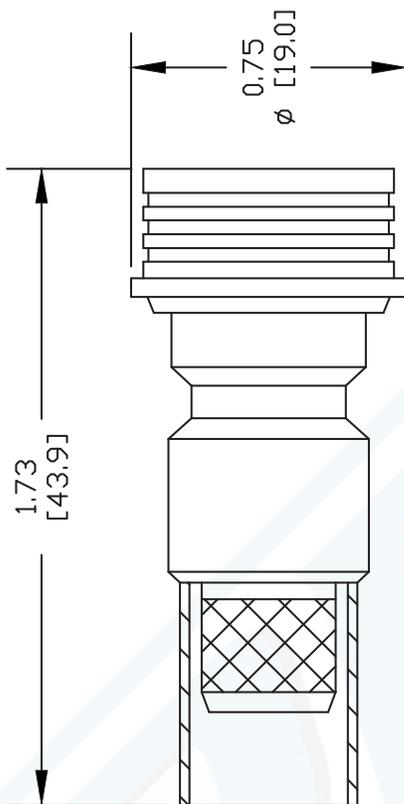
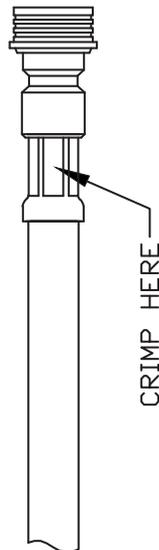
2. INSERT DIELECTRIC INTO CONTACT AND CRIMP IT WITH .100" HEX CRIMP TOOL. SPLAY OUT THE BRAID.



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.



DWG TITLE

PE44597

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.

REV. A

FSCM NO. 53919

CAD FILE 090711

SCALE N/A

SIZE A

2231

PE PASTERNAK®

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 Website: www.pasternack.com | E-Mail: sales@pasternack.com



QN Female Bulkhead Connector Crimp/Solder
 Attachment For RG213, RG215, .500 inch Diameter

TECHNICAL DATA SHEET

PE44607

QN Female Bulkhead Connector Crimp/Solder Attachment For RG213, RG215, .500 inch Diameter

Configuration

Connector	QN Female
Connector Interface Type	RG213, RG215
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight
Mount Method	Bulkhead

Electrical Specifications

Frequency Range, GHz	DC to 11
Impedance, Ohms	50
Maximum Return Loss, dB	0.17
Maximum Operating Voltage, Volts	1,000
Dielectric Withstanding Voltage, Vrms	2,500

Frequency 1

Frequency, MHz	DC to 1,000
Return Loss, dB	33
Insertion Loss, dB	0.05

Frequency 2

Frequency, GHz	1 to 2.5
Return Loss, dB	31
Insertion Loss, dB	0.08

Frequency 3

Frequency, GHz	2.5 to 6
Return Loss, dB	22
Insertion Loss, dB	0.12

Mechanical Specifications

Temperature

Operating Range, deg C	-40 to +125
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Size

Length, in [mm]	1.68 [42.67]
Width/Dia., in [mm]	0.67 [17.02]
Weight, lbs [g]	0.096 [43.54]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QN Female Bulkhead Connector Crimp/Solder Attachment For RG213, RG215, .500 inch Diameter PE44607](#)

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QN Female Bulkhead Connector Crimp/Solder
Attachment For RG213, RG215, .500 inch Diameter

TECHNICAL DATA SHEET

PE44607

Connector

Type	QN Female
Mating Cycles	100
Contact Material and Plating	Spring Bronze, Gold
Contact Plating Specification	6 μ in. minimum
Body Material and Plating	Brass, Tri-Metal
Dielectric Type	PTFE

Compliance Certifications (visit 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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QN Female Bulkhead Connector Crimp/Solder Attachment For RG213, RG215, .500 inch Diameter 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.

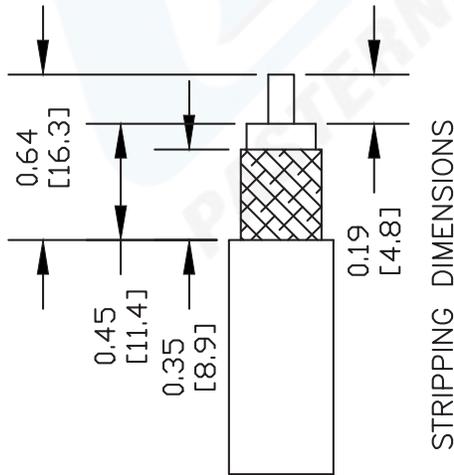
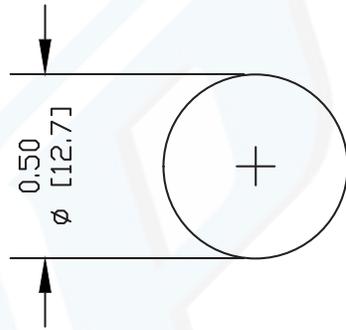
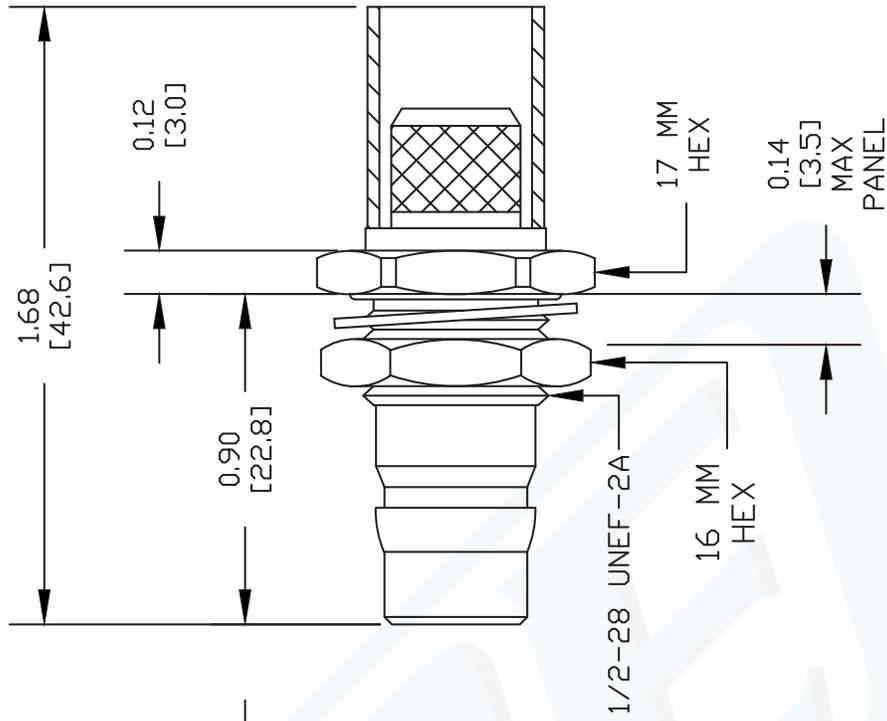
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QN Female Bulkhead Connector Crimp/Solder Attachment For RG213, RG215, .500 inch Diameter PE44607](http://www.pasternack.com/qn-female-standard-rg213-rg215-connector-pe44607-p.aspx)

URL: <http://www.pasternack.com/qn-female-standard-rg213-rg215-connector-pe44607-p.aspx>

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PE44607 CAD Drawing

QN Female Bulkhead Connector Crimp/Solder Attachment
For RG213, RG215, .500 inch Diameter



CRIMP SIZE REQUIRED

CONTACT: SOLDER
FERRULE: .429" HEX CRIMP TOOL



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DWG TITLE

PE44607

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

REV. A

FSCM NO. 53919

CAD FILE 090911

SCALE N/A

SIZE A

2231



Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

RG213/U

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, MHz	1000
Capacitance, pF/ft [pF/m]	30.8 [101.05]

Electrical Specifications by Frequency

Frequency 1

Frequency, MHz	100
Attenuation, dB/100ft [dB/100m]	2.1 [6.89]

Frequency 2

Frequency, MHz	400
Attenuation, dB/100ft [dB/100m]	4.8 [15.75]

Frequency 3

Frequency, MHz	1000
Attenuation, dB/100ft [dB/100m]	8 [26.25]

Mechanical Specifications

Inner Conductor

Number of Strands	7
Material	Copper
Diameter, in [mm]	0.09 [2.29]

Dielectric:

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

Shield:

Number of	1
Material 1	Copper Braid
Diameter, in [mm]	0.314 [7.98]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket RG213/U](#)



Flexible RG213 Coax Cable Single
Shielded with Black PVC Jacket

TECHNICAL DATA SHEET

RG213/U

Jacket:

Material	PVC
Diameter, in [mm]	0.405 [10.29]
Color	Black
Weight, lbs/ft [Kg/m]	0.115 [0.17]

Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant	
REACH Compliant	06/18/2012

Plotted and Other Data

Notes:

- Values at +25 °C, sea level
- Max. Operating Voltage(VRMS): 5000

Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket 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.

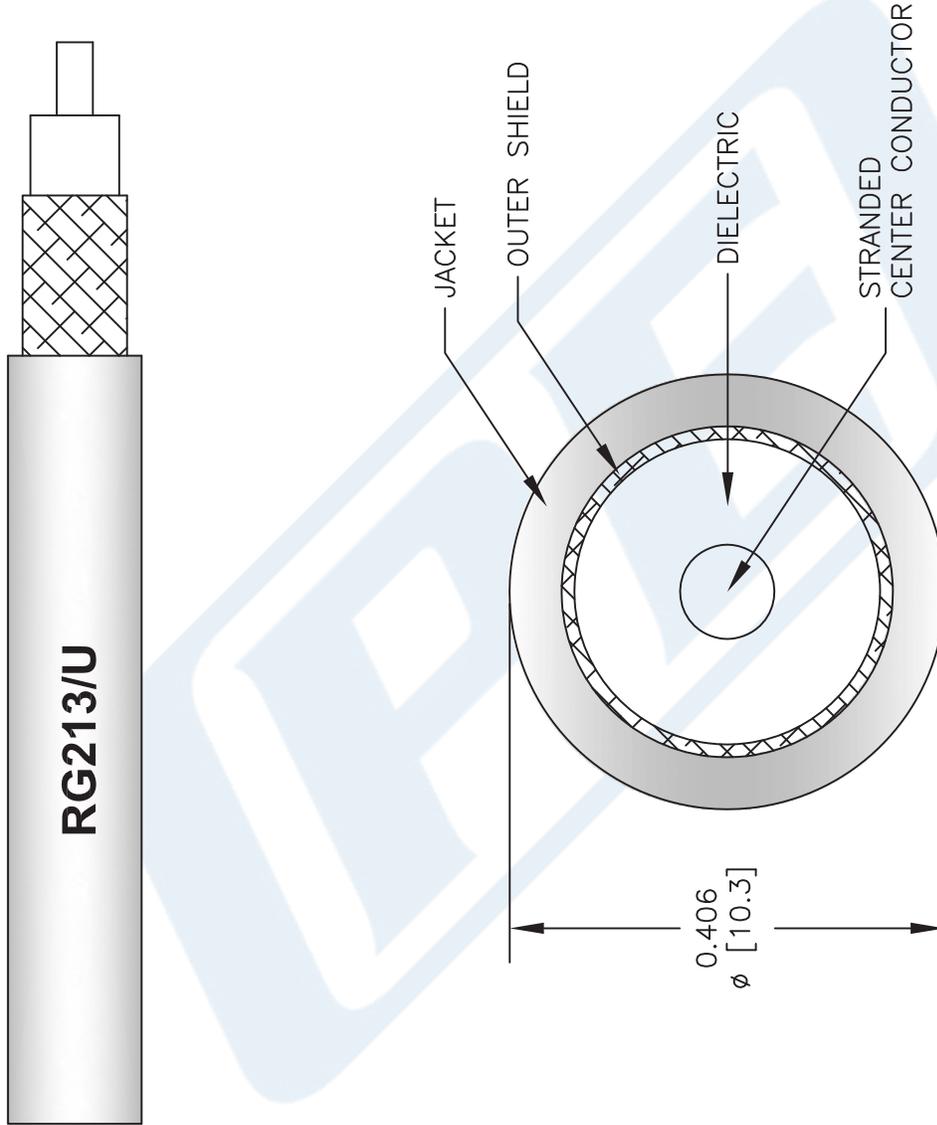
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket RG213/U](#)

URL: <http://www.pasternack.com/flexible-0.405-rg213-50-ohm-coax-cable-pvc-jacket-rg213-u-p.aspx>

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RG213/U CAD Drawing

Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket



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 3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE
RG213/U

FSCM NO. 53919

2233

SIZE A

SCALE N/A

CAD FILE 061312-B

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