



## QN Male Connector Crimp/Solder Attachment For RG214, RG225

### TECHNICAL DATA SHEET

PE44598

#### QN Male Connector Crimp/Solder Attachment For RG214, RG225

##### Configuration

Connector	QN Male
Connector Interface Type	RG214, RG225
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Straight

##### Electrical Specifications

Impedance, Ohms	50
-----------------	----

##### Mechanical Specifications

###### Size

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

###### Connector

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

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

RoHS Compliant	Yes
----------------	-----

##### Plotted and Other Data

Notes:	Values at 25 °C, sea level
--------	----------------------------

QN Male Connector Crimp/Solder Attachment For RG214, RG225 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.

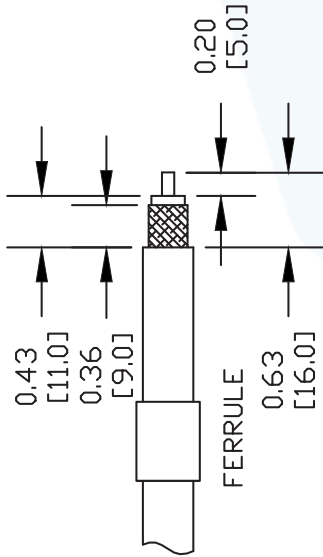
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QN Male Connector Crimp/Solder Attachment For RG214, RG225 PE44598](http://www.pasternack.com/qn-male-standard-rg214-rg225-connector-pe44598-p.aspx)

URL: <http://www.pasternack.com/qn-male-standard-rg214-rg225-connector-pe44598-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.

ASSEMBLY PROCEDURES

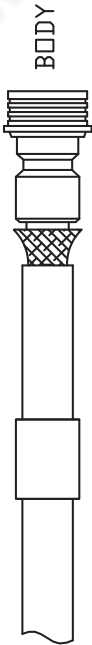
1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.



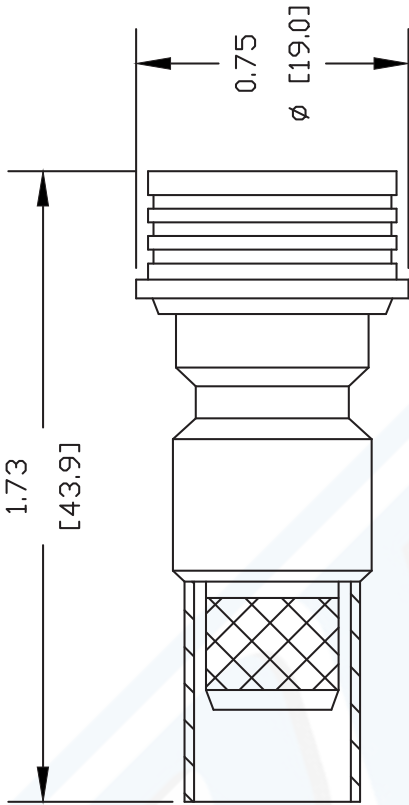
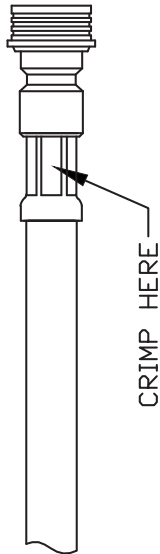
2. INSERT DIELECTRIC INTO CONTACT AND CRIMP IT WITH .100" HEX CRIMP TOOL. SPLAY OUT THE BRAID.



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.



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.

DWG TITLE  
**PE44598**

**P** **PASTERNAK®**  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)

REV. A  
**FSCM NO. 53919**

CAD FILE 090711

SCALE N/A

SIZE A

2231



## QN Male Right Angle Connector Crimp/ Solder Attachment For RG214, RG225

### TECHNICAL DATA SHEET

PE44603

#### QN Male Right Angle Connector Crimp/Solder Attachment For RG214, RG225

##### Configuration

Connector	QN Male
Connector Interface Type	RG214, RG225
Cable Attachment Method (Shield/Contact)	Crimp/Solder
Body Style	Right Angle

##### Electrical Specifications

Frequency Range, GHz	DC to 11
Impedance, Ohms	50

##### Mechanical Specifications

###### Size

Length, in [mm]	1.25 [31.75]
Width/Dia., in [mm]	0.75 [19.05]
Weight, lbs [g]	0.151 [68.49]

###### Connector

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

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

RoHS Compliant	Yes
----------------	-----

##### Plotted and Other Data

Notes:	Values at 25 °C, sea level
--------	----------------------------

QN Male Right Angle Connector Crimp/Solder Attachment For RG214, RG225 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.

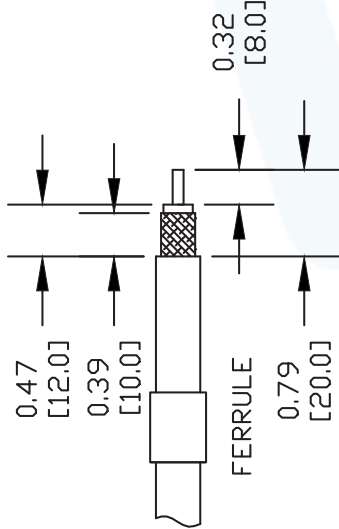
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [QN Male Right Angle Connector Crimp/Solder Attachment For RG214, RG225 PE44603](http://www.pasternack.com/qn-male-standard-rg214-rg225-connector-pe44603-p.aspx)

URL: <http://www.pasternack.com/qn-male-standard-rg214-rg225-connector-pe44603-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.

ASSEMBLY PROCEDURES

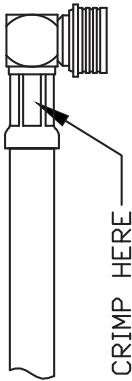
1. STRIP CABLE AS SHOWN. SLIDE FERRULE OVER CABLE.



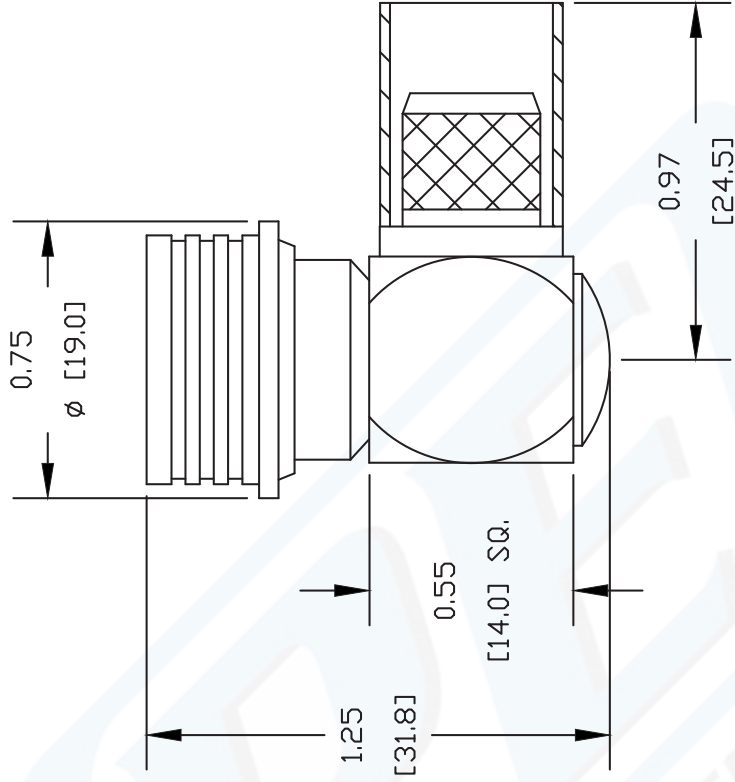
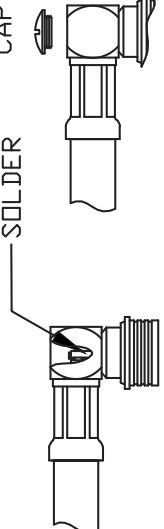
2. FLAIR BRAID AND INSERT THE STRIPPED CABLE INTO BODY AND POSITION THE CENTER CONDUCTOR IN THE SLOT OF THE CENTER PIN.



3. 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.



4. SOLDER THE CENTER CONDUCTOR OF THE CABLE TO THE CENTER PIN. TIGHTEN DOWN THE CAP INTO THE REAR APERTURE OF THE BODY.



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

DWG TITLE

PE44603

REV. A

FSCM NO. 53919

CAD FILE 090911

SCALE N/A

SIZE A

2231

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.



## Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

### RF Cables Technical Data Sheet

RG214/U

#### Configuration

- Flexible Cable
- 2 Shield(s)

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		11	GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			5,000	Vrms
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

#### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.01	1	3	5	10	GHz
Attenuation, Typ	2.02	7.32	14.21	19.63	33.81	dB/100ft
	6.63	24.02	46.62	64.4	110.93	dB/100m

#### Mechanical Specifications

Diameter	0.425 in [10.8 mm]
Weight	0.122 lbs/ft [0.18 Kg/m]
Min. Bend Radius (Repeated)	1.6 in [40.64 mm]

#### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 7 Strands	
Conductor Type	Stranded	
Dielectric	PE	0.285 in [7.24 mm]
First Shield	Silver Plated Copper Braid 90% coverage	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)



## Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket

### RF Cables Technical Data Sheet

RG214/U

Second Shield	Silver Plated Copper Braid 90% coverage	0.331 in [8.41 mm]
Jacket	PVC, Black	0.425 in [10.8 mm]

#### Environmental Specifications

##### Temperature

Operating Range

-20 to +80 deg C

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

#### Plotted and Other Data

Notes:

Flexible RG214 Coax Cable Double 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 99.4% 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 RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)

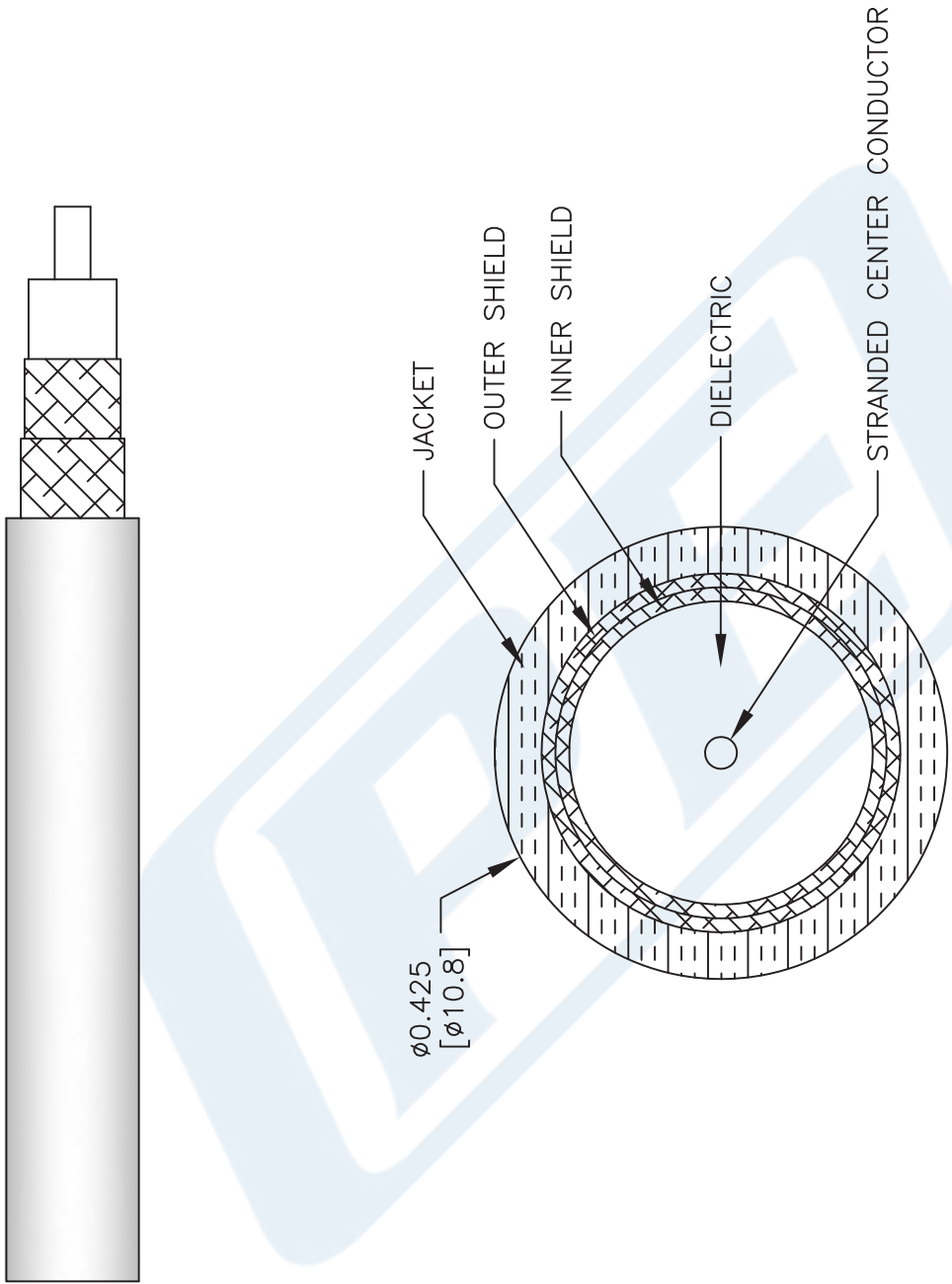
URL: <https://www.pasternack.com/flexible-0.425-rg214-50-ohm-coax-cable-pvc-jacket-rg214-u-p.aspx>

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.



RG214/U CAD Drawing

Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket



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].

DWG TITLE  
**RG214/U**

FSCM NO. 53919

SIZE A

SCALE N/A

CAD FILE 111716

41742

**PE PASTERNAK®**  
THE ENGINEER'S RF SOURCE  
Pasternack Enterprises, Inc.  
P.O. Box 16759 | Irvine | CA | 92623  
Phone: (949) 261-1920 | Fax: (949) 261-7451  
Website: [www.pasternack.com](http://www.pasternack.com) | E-Mail: [sales@pasternack.com](mailto:sales@pasternack.com)