



## N Male Right Angle Connector Crimp/ Solder Attachment for RG213, RG8

### RF Connectors Technical Data Sheet

PE4482

#### Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG213, RG8

#### Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4482 type N male right angle connector with crimp/solder attachment for RG213 and RG8 is part of our full line of RF components available for same-day shipping. Our type N male connector operates up to a maximum frequency of 11 GHz. Its right angle body geometry allows for easier connections in tight spaces.

Our type N male right angle connector PE4482 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)			1,500	Vrms
Dielectric Withstanding Voltage (AC)			2,500	Vrms
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
RF Leakage	90			dB

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 6					GHz
VSWR, Max	1.5:1					
Insertion Loss, Max	0.15					dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Right Angle Connector Crimp/Solder Attachment for RG213, RG8 PE4482](#)



## N Male Right Angle Connector Crimp/ Solder Attachment for RG213, RG8

### RF Connectors Technical Data Sheet

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#### Mechanical Specifications

##### Size

Length	1.99 in [50.55 mm]
Width/Dia.	0.8 in [20.32 mm]
Height	1.29 in [32.77 mm]
Weight	0.151 lbs [68.49 g]
Mating Cycles	500 Cycles

#### Material Specifications

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

#### Environmental Specifications

##### Temperature

Operating Range	-65 to +165 deg C
Vibration	MIL-STD-202, Method 204, Condition B
Temperature Cycle	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

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

#### Plotted and Other Data

Notes:

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### RF Connectors Technical Data Sheet

PE4482

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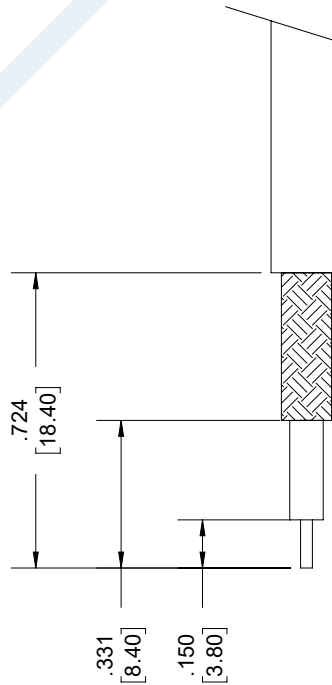
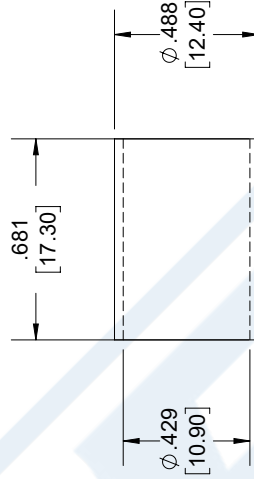
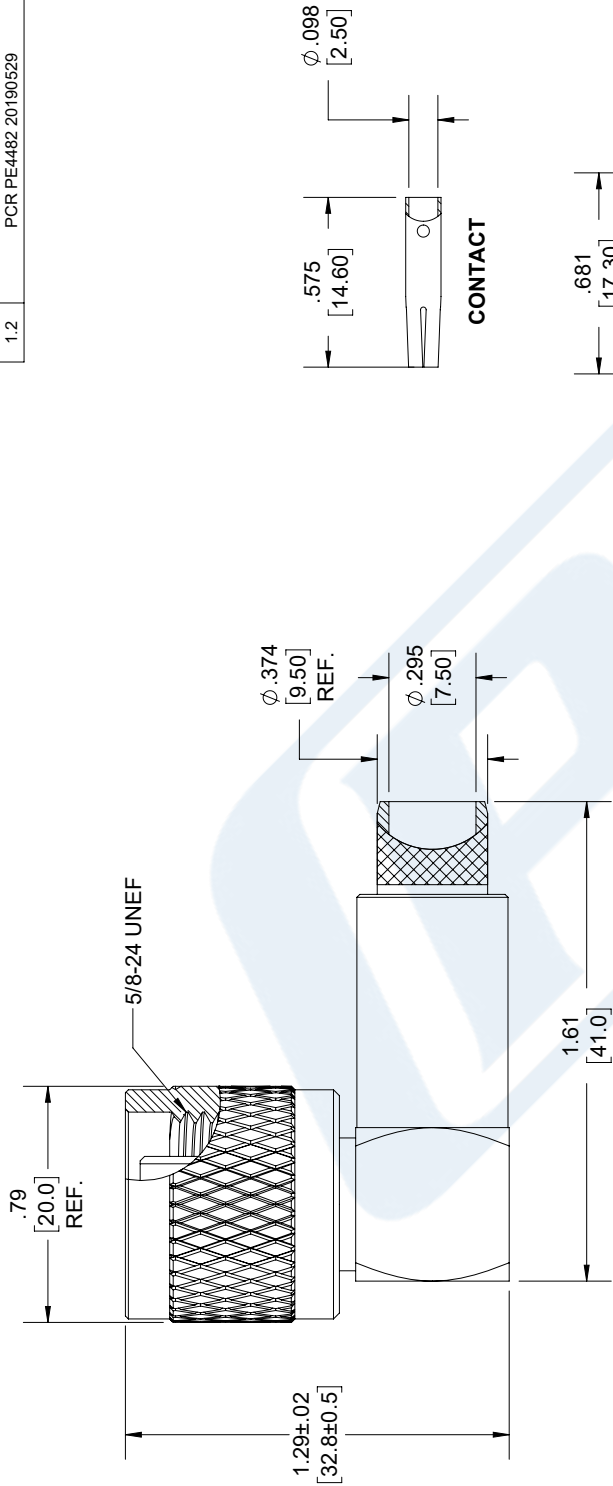
URL: <https://www.pasternack.com/n-male-standard-rg213-rg8-connector-pe4482-p.aspx>

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# PE4482 CAD Drawing

N Male Right Angle Connector Crimp/Solder Attachment for RG213, RG8

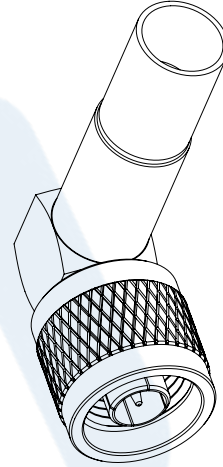
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1.2	PCR PE4482 20190529	07/15/19	SELLIS



## STRIPPING DIMENSIONS

### NOTES:

- CABLE ATTACHMENT:
  - OUTER: CRIMP.
  - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
  - FERRULE: .429 [10.90] HEX. CRIMP TOOL.



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±.132
XX±.01 [ .25]	±.132
XXX±.005 [ .13]	ANGLES ± 1°
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

<b>PE PASTERNAK</b> an INFINITO brand	
Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com   e-mail: sales@pasternack.com	
SIZE	PART NUMBER
A	53919
DRAWN BY	PE4482
SCALE	N/A
SHEET	1 OF 1
REV	1.2

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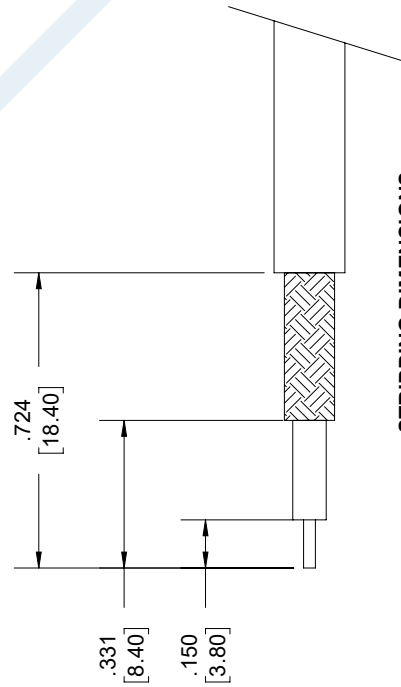
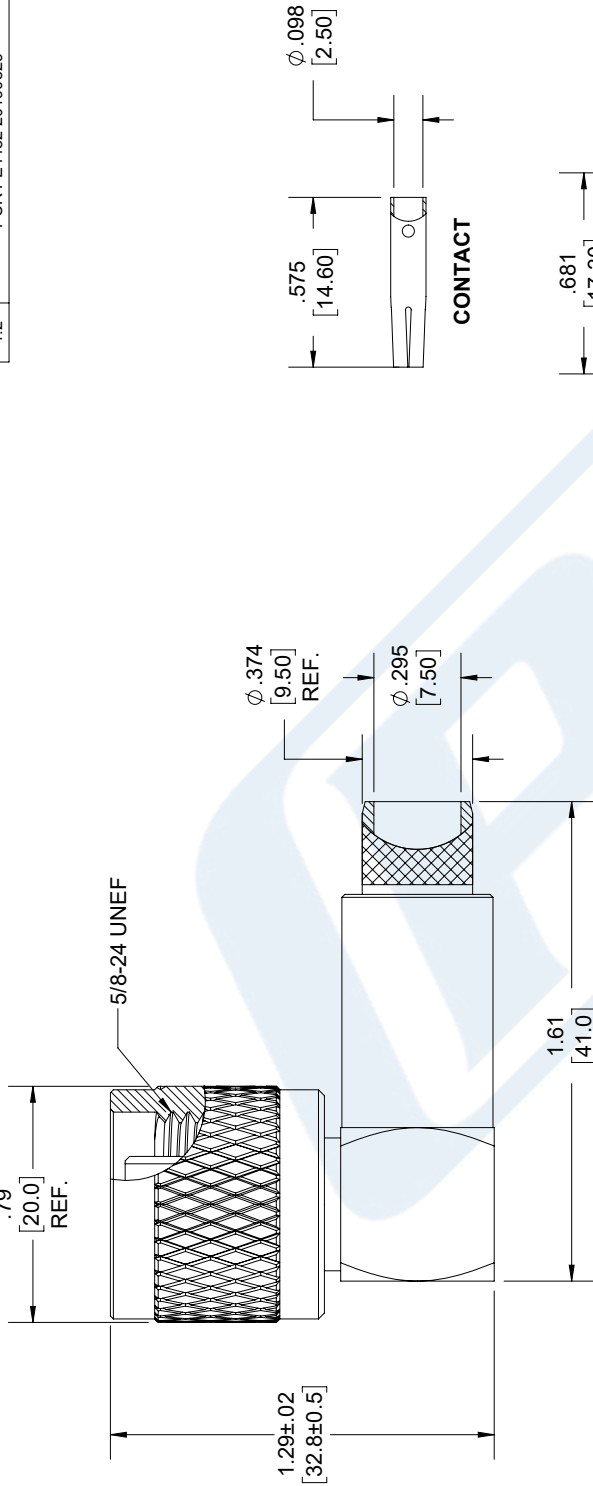


# PE4482 CAD Drawing

N Male Right Angle Connector Crimp/Solder Attachment for RG213, RG8

REV.	DESCRIPTION	DATE	APPROVED
1.2	PCR PE4482 20190529	07/15/19	SELLIS

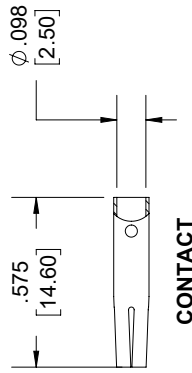
REV.	DESCRIPTION	DATE	APPROVED
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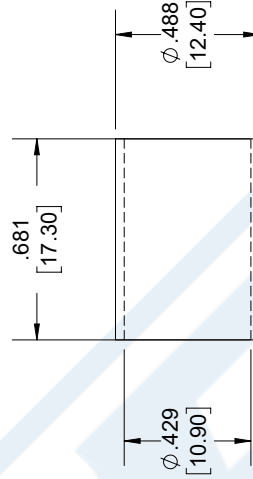
## STRIPPING DIMENSIONS

### NOTES:

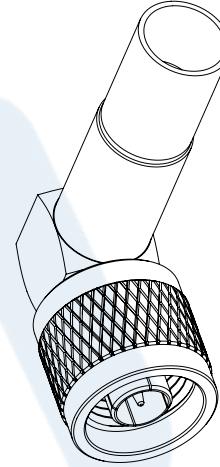
- CABLE ATTACHMENT:
  - OUTER: CRIMP.
  - INNER: SOLDER.
- CRIMP SIZE REQUIRED:
  - FERRULE: .429 [10.90] HEX. CRIMP TOOL.



## CONTACT



## FERRULE



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X ± .2 [5.08]	± .132
XX ± .01 [ .25]	± .005
XXX ± .005 [ .13]	± .001
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD-ANGLE PROJECTION	

<b>PE PASTERNAK</b> an INFINITE brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com   e-mail: sales@pasternack.com	
SHEET 1	OF 1
SCALE	N/A
SIZE	A
CAGE	53919
DRAWN BY	KDANG
PART NUMBER	PE4482
REV	1.2

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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](http://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

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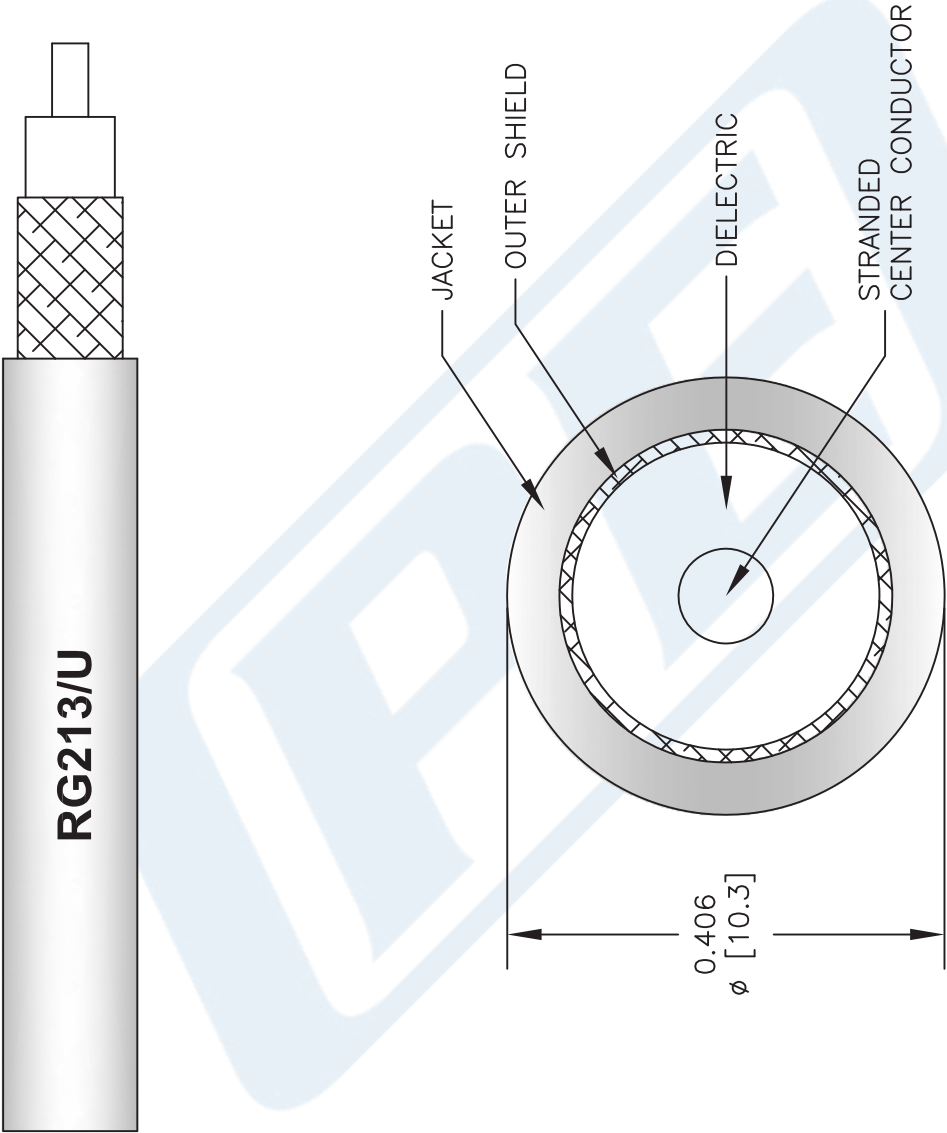
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URL: <http://www.pasternack.com/flexible-0.405-rg213-50-ohm-coax-cable-pvc-jacket-rg213-u-p.aspx>

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RG213/U CAD Drawing

Flexible RG213 Coax Cable Single Shielded with Black PVC Jacket



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  
**RG213/U**

FSCM NO. 53919

CAD FILE 061312-B

SCALE N/A

SIZE A

2233

**PE 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)