



## N Male Connector Crimp/Solder Attachment for RG213, RG215, RG8

### RF Connectors Technical Data Sheet

**PE4430**

#### Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG213, RG215, RG8

#### Features

- Max. Operating Frequency 10 GHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4430 type N male connector with crimp/solder attachment for RG213, RG215 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 10 GHz and offers good VSWR of 1.3:1.

Our type N male connector PE4430 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		10	GHz
VSWR			1.3:1	
Operating Voltage (AC)			1,000	Vrms

#### Mechanical Specifications

##### Size

Length	1.57 in [39.88 mm]
Width/Dia.	0.787 in [19.99 mm]
Weight	0.075 lbs [34.02 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Male Connector Crimp/Solder Attachment for RG213, RG215, RG8 PE4430](#)



## N Male Connector Crimp/Solder Attachment for RG213, RG215, RG8

### RF Connectors Technical Data Sheet

**PE4430**

#### Material Specifications

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

#### Environmental Specifications

##### Temperature

Operating Range -65 to +165 deg C

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

#### Plotted and Other Data

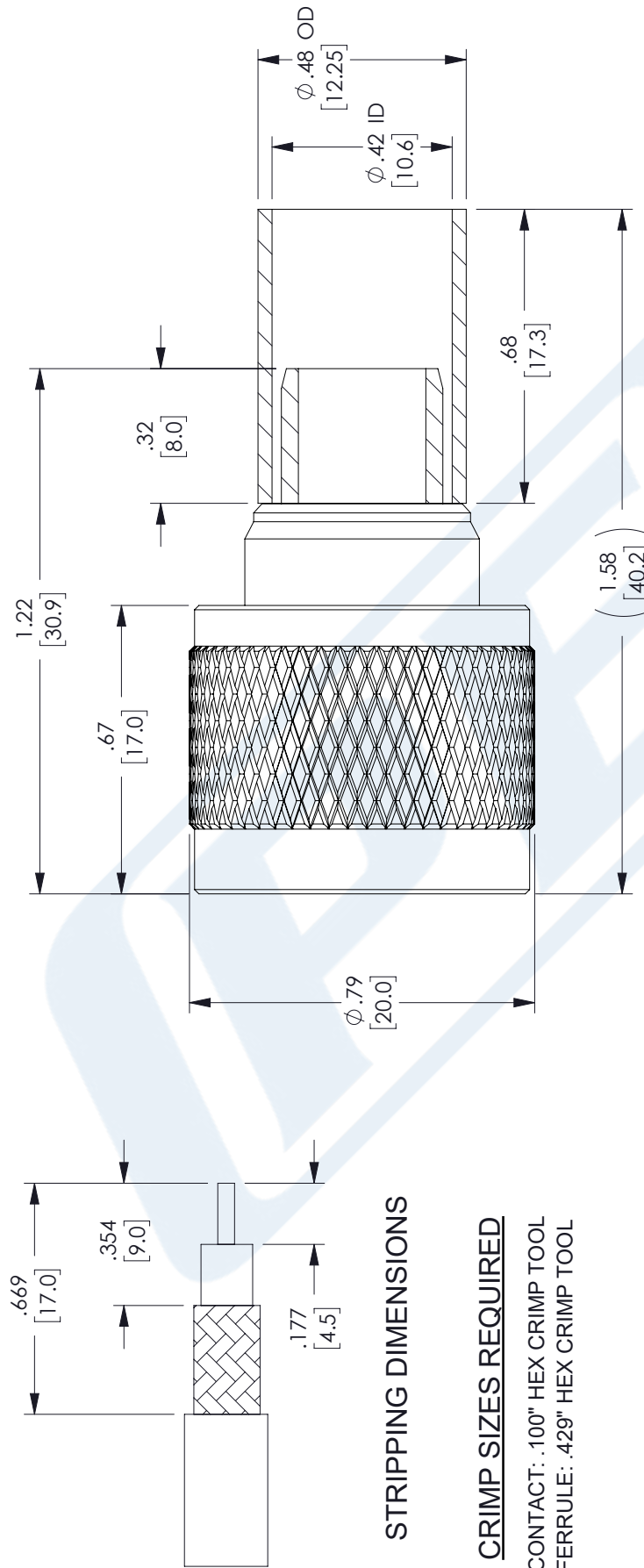
Notes:

N Male Connector Crimp/Solder Attachment for RG213, RG215, 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 Male Connector Crimp/Solder Attachment for RG213, RG215, RG8 PE4430](#)

URL: <https://www.pasternack.com/n-male-standard-rg213-rg8-connector-pe4430-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.



### STRIPPING DIMENSIONS

### CRIMP SIZES REQUIRED

CONTACT: .100" HEX CRIMP TOOL

FERRULE: .429" HEX CRIMP TOOL

UNLESS OTHERWISE SPECIFIED  
LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

SIZE	FRACTIONS	ANGLES
.X = ± .2	[.08]	± 1/32
.XX = ± .02	[.51]	± 1/32
.XXX = ± .005	[.13]	± 1/32

CABLE LENGTH (L) TOLERANCES:

SIZE	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% L / -0

ALL DIMENSIONS SHOWN  
ARE FOR REFERENCE ONLY.



**PASTERNAK**  
an INFINITI brand

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THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

SIZE A

CAGE CODE 53919

DRAWN BY DMAY

ITEM NO. PE4430

REV B

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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.

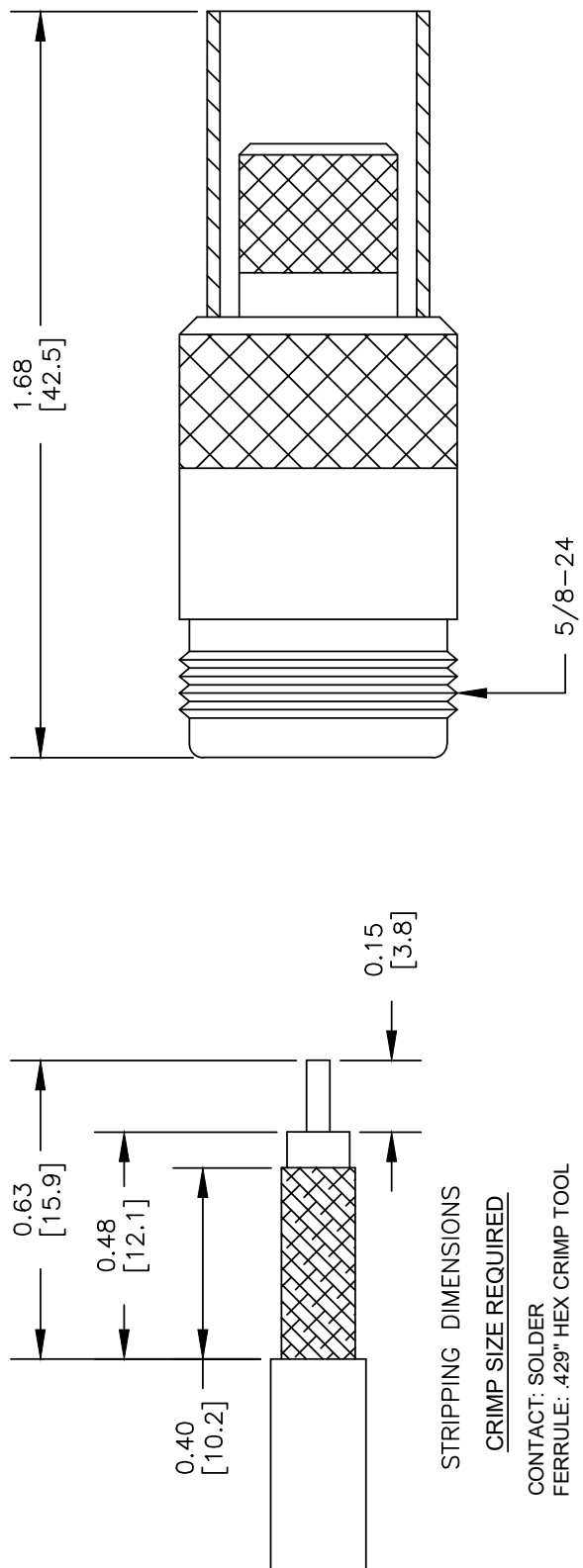
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [N Female Connector Crimp/Solder Attachment for RG213, RG8 PE4435](https://www.pasternack.com/n-female-rg213-rg8-connector-pe4435-p.aspx)

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

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE4435 CAD Drawing

N Female Connector Crimp/Solder Attachment for RG213, RG8



DWG TITLE

PE4435

REV. -


FSCM NO. 53919

CAD FILE 051402

SCALE N/A

SIZE A

2233

 **PASTERNAK®**

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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.

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## 20kV Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket

### RF Cables Technical Data Sheet

**RG213HV**

#### Configuration

- 1 Shield(s)

#### Features

- Voltage rating up to 20kV
- Low Signal Attenuation
- Robust Insulation
- Flexible and Durable

#### Applications

- Semiconductor Testing
- Radar Systems
- Broadcast Stations
- Research and Development
- Military and Defense

#### Description

RG213HV part number from Pasternack is a coax cable that is flexible. Pasternack's flexible coax RF cable has an impedance of 50 Ohm and PE dielectric. Our RG213HV coax cable is constructed with a 0.394-inch jacket made of red polyurethane. Our coax cable from Pasternack has a maximum frequency of 1000 MHz. This red colored coax cable has a 0.317-inch shield layer of tinned copper braid. Additional specifications for this RG213HV single-shielded RF coaxial cable are on our downloadable PDF datasheet above. Our RG213HV coax cable has a maximum operating temperature of 70 degrees C. This 20kV red-colored flexible RF cable with a 50 Ohm impedance has a typical insertion loss/maximum attenuation of 0.09 dB/ft at a frequency of 1000 MHz. The RG213HV flexible RF cable has a stranded copper center conductor with bare conductor plating.

RG213 high-voltage RF cable is specifically designed for radio frequency applications that require handling high levels of voltage. With a rated voltage of 20kV, this cable ensures safe and efficient transmission of high-voltage RF signals. It is commonly used in industrial applications where reliable RF signal distribution is essential. The RG213 cable is built with durable insulation materials and conductors to minimize signal loss and maintain excellent performance. Adhering to safety guidelines and proper installation practices are essential when working with this cable to maintain electrical safety and preserve signal integrity. Pasternack RG213HV coax cables are part of over 40,000 RF, microwave, and millimeter wave components. These flexible RF cables and our other RF parts are available for same-day shipping worldwide. Custom RF cable assemblies using RG213HV other coax can be built and shipped the same business day as well.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Operating Voltage (DC)			20,000	Vdc
Test Voltage (Conductor/Braid)		41		kVoc/1min
Test Voltage (Spark Test, Core)		15		kVac
Test Voltage (Spark Test, Jacket)		5		kVac
Test Voltage (Type Test)		32		kVoc

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20kV Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket RG213HV](#)



20kV Flexible RG213 High Voltage Coax Cable  
Single Shielded with Red PUR Jacket

**RF Cables**  
**Technical Data Sheet**

**RG213HV**

**Performance by Frequency Band**

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	400	1,000		MHz
Attenuation, Typ	1.2	2.3	4.8	9		dB/100ft
	3.94	7.55	15.75	29.53		dB/100m

**Mechanical Specifications**

Diameter	0.394 in [10.01 mm]
Weight	0.097 lbs/ft [0.14 kg/m]
Min. Bend Radius (Repeated)	1.969 in [50.01 mm]

**Construction Specifications**

Description	Material and Plating	Diameter
Inner Conductor	Copper, Bare, 7 Strands	0.089 in [2.26 mm]
Conductor Type	Stranded	
Dielectric	PE	0.286 in [7.26 mm]
First Shield	Tinned Copper Braid	0.317 in [8.05 mm]
Jacket	Polyurethane, Red	0.394 in [10.01 mm]

**Environmental Specifications**

Temperature	
Operating Range	-30 to +70 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20kV Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket RG213HV](#)





## 20kV Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket

### RF Cables Technical Data Sheet

**RG213HV**

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

#### Plotted and Other Data

Notes:

- 1) All tests performed in accordance with MIL-DTL-17 (current issue).
- 2) All materials are RoHS and REACH compliant.

20kV Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR 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: [20kV Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket RG213HV](#)

URL: <https://www.pasternack.com/flexible-rg213-polyurethane-jacket-tinned-copper-braid-outer-conductor-single-shielded-rg213hv-p.aspx>

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RG213HV CAD Drawing

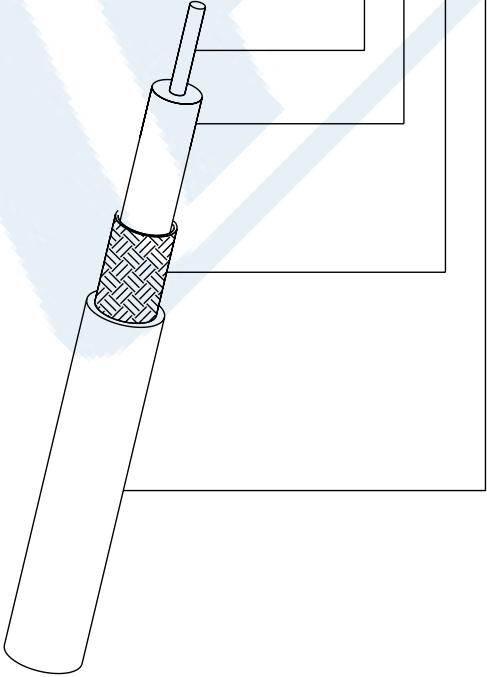
20kV Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket

F E D C B A

F E D C B A

1 2 3 4 5 6

REVISION			
ZONE	REV	DESCRIPTION	DATE
	A	INITIAL RELEASE	05/05/2023
		CHANGED BY	APPROVED
		PSRINIVAS	AGANWANI



Center Conductor	Ø.0886 [2.25]	7 Strand Bare Copper
Dielectric	Ø.286 [7.26]	Solid Polyethylene
Braid	Ø.317 [8.05]	Copper Braid
Jacket	Ø.394 [10.01]	Red PUR

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
X = ±.2 [5]	FRACTIONS ± 1/32
.XX = ±.02 [.5]	ANGLES ± 1°
.XXX = ±.005 [.13]	
CABLE LENGTH TOLERANCES:	
≤12 [305]	±.125 [-0]
>12 [305] ≤ 60 [1524]	±.25 [-0]
>60 [1524] ≤ 120 [3048]	±.5 [-0]
>120 [3048] ≤ 300 [7620]	±.75 [-0]
>300 [7620]	±1.0 [-0]
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE	



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Phone: 1.866.727.8376 | 1.949.261.1920



INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
SCALE	NONE
SHEET	1 OF 1

DESCRIPTION  
Flexible RG213 High Voltage Coax Cable Single Shielded with Red PUR Jacket

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	53919	PSRINIVAS	RG213HV	A

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