



## N Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

### RF Connectors Technical Data Sheet

**PE4048**

#### Configuration

- N Male Connector
- MIL-STD-348A
- 50 Ohms

- Straight Body Geometry
- Connector Interface Types: RG214, RG9, RG225, RG393

#### Features

- Max. Operating Frequency 11 GHz
- Good VSWR of 1.5:1

- Gold Plated Brass Contact
- 30  $\mu$ in minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4048 type N male connector with crimp/solder attachment for RG214, RG9, RG225 and RG393 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 and offers good VSWR of 1.5:1.

Our type N male connector PE4048 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
VSWR			1.5:1	
Operating Voltage (AC)			1,000	Vrms

#### Mechanical Specifications

Size	
Length	1.583 in [40.21 mm]
Width/Dia.	0.79 in [20.07 mm]
Weight	0.072 lbs [32.66 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 RG214, RG9, RG225, RG393 PE4048](#)

N Male Connector Crimp/Solder Attachment  
for RG214, RG9, RG225, RG393



**RF Connectors**  
**Technical Data Sheet**

**PE4048**

**Material Specifications**

Description	Material	Plating
Contact	Brass	Gold 30 $\mu$ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ in minimum
Coupling Nut	Brass	Nickel 100 $\mu$ in 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 RG214, RG9, RG225, RG393 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 RG214, RG9, RG225, RG393 PE4048](#)

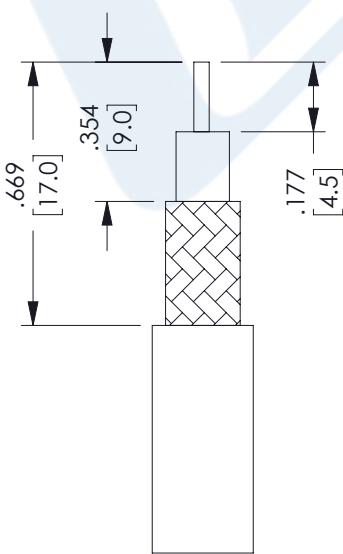
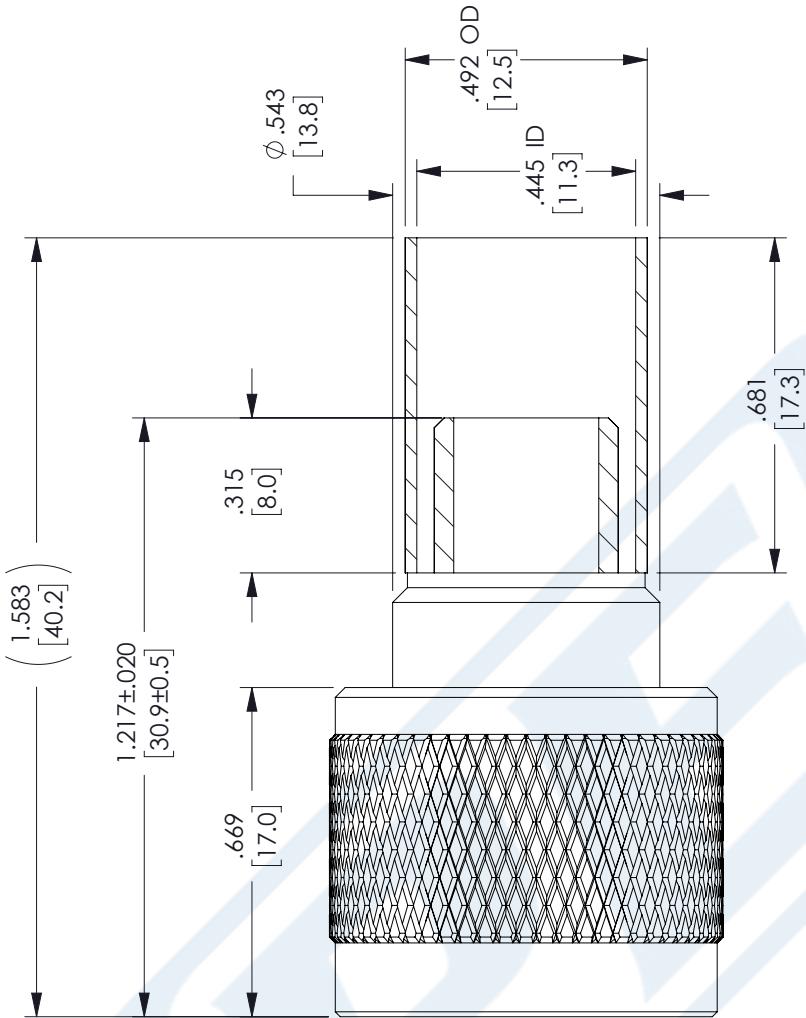
URL: <https://www.pasternack.com/n-male-standard-rg214-rg9-rg225-rg393-connector-pe4048-p.aspx>

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.

# PE4048 CAD Drawing

N Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393

REVISONS					
REV.	DESCRIPTION	DATE	APPROVED		
B	PCR PE4048 20220622	6/27/2022	RDELEON		



## 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		THIRD ANGLE PROJECTION
TOLERANCES:		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNACK CORPORATION ALL RIGHTS RESERVED.
X = ± 2 [5.08] FRACTIONS .XX = ± .02 [5.51] ± 1/32 .XXX = ± .005 [1.33] ANGLES ± 1° CABLE LENGTH (L) TOLERANCES: L ≤ 12 [305] ± +1 [25] -0		Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920   1.866.727.8376 Fax: 1.949.261.7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a> E-mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>
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		SHEET 1 OF 1 SCALE N/A ITEM NO. PE4048 SIZE A 53919 DIMAY REV B
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		

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## UHF Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



### PE51773

#### Configuration

- UHF Male Connector
- 50 Ohms
- Straight Body Geometry
- Connector Interface Types: RG214, RG9, RG225, RG393

#### Features

- Max. Operating Frequency 300 MHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE51773, UHF, Standard, Connector is part of our full line of RF components available for same-day shipping. Our UHF male connector operates up to a maximum frequency of 300 MHz and offers good VSWR of 1.3:1.

Our UHF male connector PE51773 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		300	MHz
VSWR			1.3:1	
Insertion Loss		0.027		dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

#### Mechanical Specifications

##### Size

Length	1.37 in [34.8 mm]
Width	0.7 in [17.78 mm]
Height	0.7 in [17.78 mm]
Weight	0.044 lbs [19.96 g]
Mating Cycles	500 Cycles

## UHF Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393



### PE51773

#### Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PEI	
Body	Brass	Nickel

#### Environmental Specifications

Temperature	
Operating Range	-55 to +85 deg C

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

#### Plotted and Other Data

Notes:

UHF Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 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.

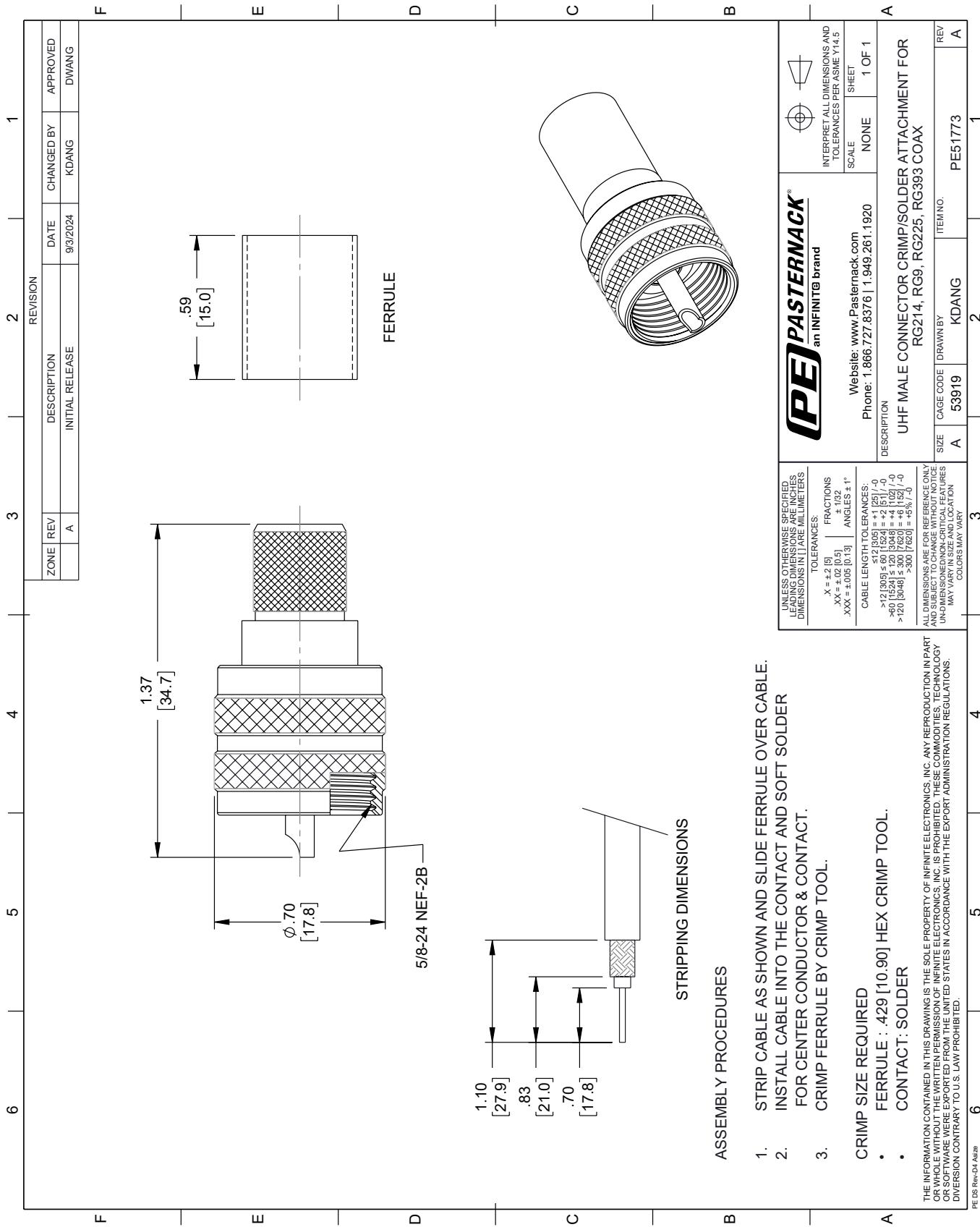
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [UHF Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393 PE51773](#)

URL: <https://www.pasternack.com/uhf-male-rg214-rg9-rg225-rg393-connector-pe51773.html>

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# PE51773 CAD Drawing

UHF Male Connector Crimp/Solder Attachment for RG214, RG9, RG225, RG393





## 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	0.1	1	5	10	GHz
Attenuation, Typ	0.64	2.07	7.68	20.68	36.51	dB/100ft
	2.1	6.79	25.2	67.85	119.78	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 (7 X 0.02961)	0.089 in [2.26 mm]
Conductor Type	Stranded	
Dielectric	PE	0.285 in [7.24 mm]
First Shield	Silver Plated Copper Braid	

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

90% coverage

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

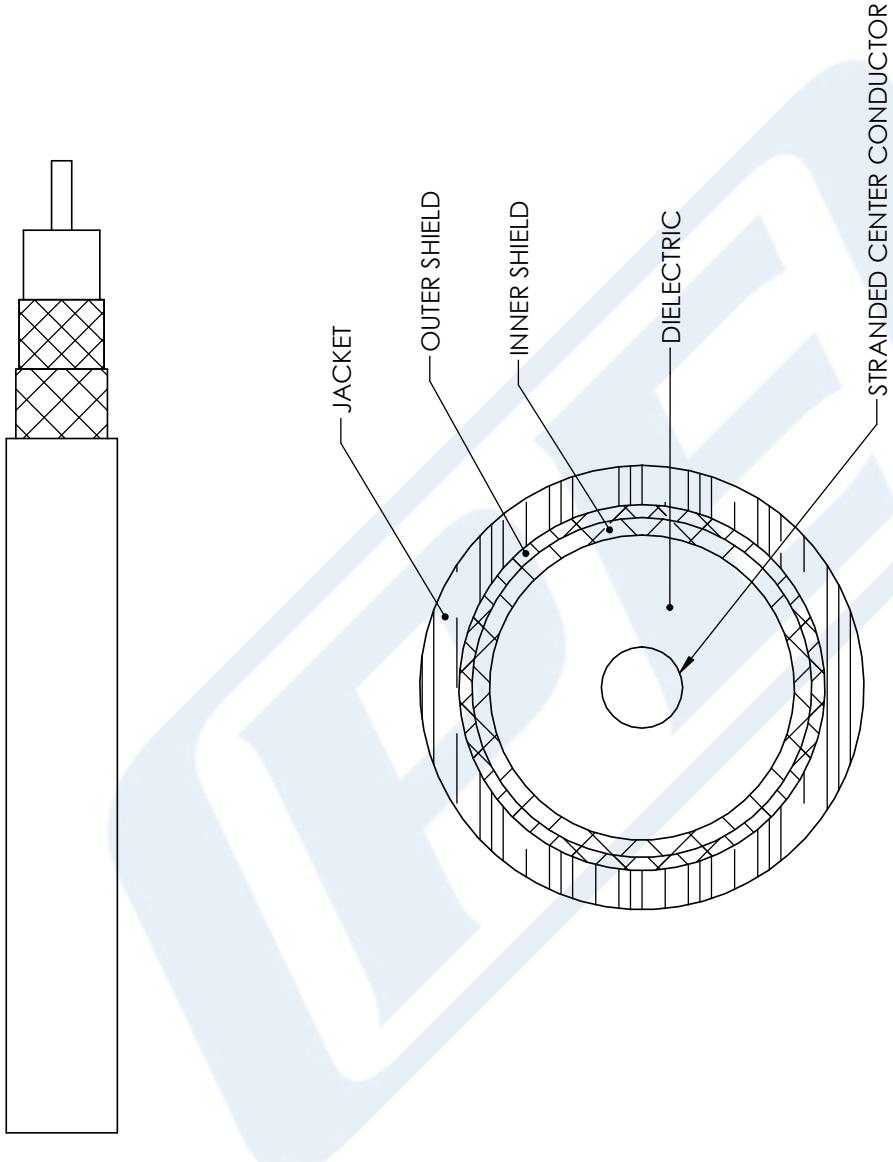
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket RG214/U](#)

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

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# RG214/U CAD Drawing

Flexible RG214 Coax Cable Double Shielded with Black PVC Jacket



STANDARD TOLERANCES		
X	$\pm 0.2$	
.XX	$\pm 0.01$	
.XXX	$\pm 0.005$	

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

**PASTERNACK®**  
THE ENGINEER'S RF SOURCE

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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].

1/1/2017

CN2245

DWG TITLE	CAD FILE	SCALE	SIZE
RG214-U	1/1/2017	N/A	A