



TNC Male Connector Crimp/Solder Attachment For RG213, RG8

RF Connectors Technical Data Sheet

PE4446

Configuration

- TNC Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG213, RG8 Interface Type
- Crimp/Solder Attachment

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		6	GHz
VSWR			1.4:1	
Operating Voltage (AC)			500	Vrms

Mechanical Specifications

Size

Length	1.37 in [34.8 mm]
Width/Dia.	0.59 in [14.99 mm]
Weight	0.041 lbs [18.6 g]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30μ in. minimum
Insulation	Teflon	
Body	Brass	Nickel 100μ in. minimum
Coupling Nut	Brass	Nickel 100μ in. minimum

Environmental Specifications

Temperature

Operating Range	-65 to 165 deg C
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Compliance Certifications (visit www.Pasternack.com for current document)

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [TNC Male Connector Crimp/Solder Attachment For RG213, RG8 PE4446](#)



TNC Male Connector Crimp/Solder Attachment For RG213, RG8

RF Connectors Technical Data Sheet

PE4446

Plotted and Other Data

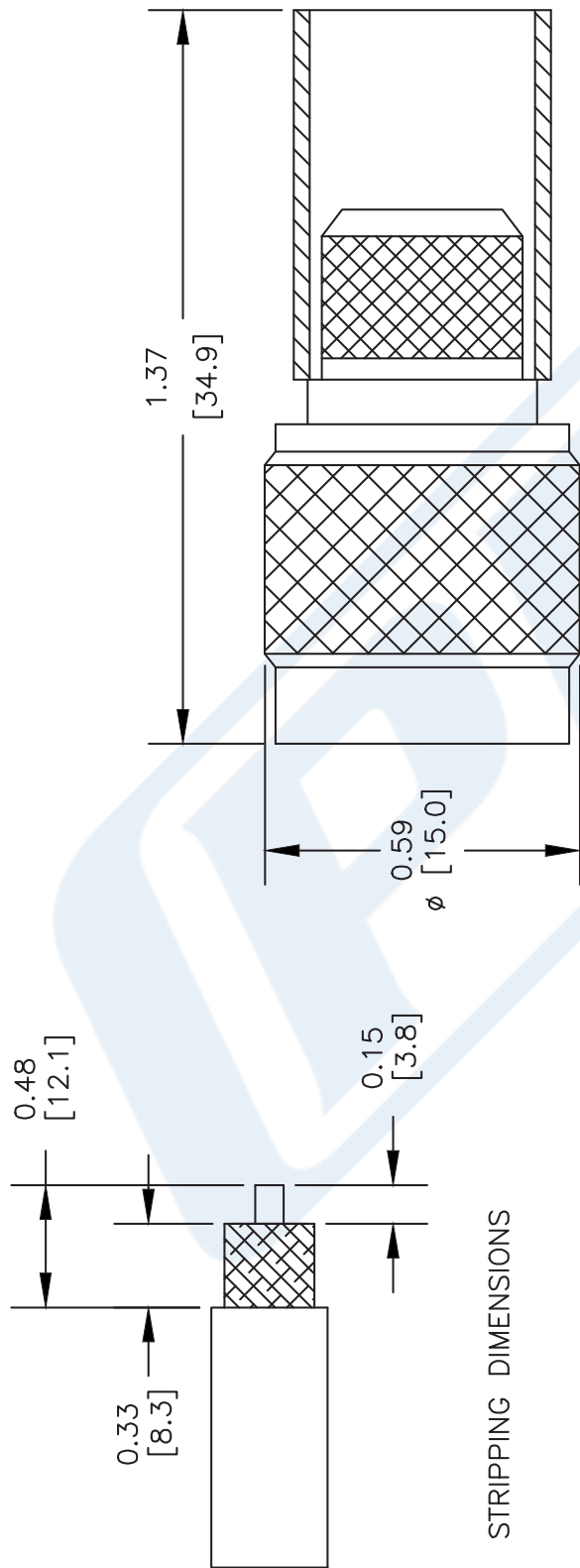
Notes:

TNC Male 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% 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: [TNC Male Connector Crimp/Solder Attachment For RG213, RG8 PE4446](#)

URL: <http://www.pasternack.com/tnc-male-standard-rg213-rg8-connector-pe4446-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.



CRIMP SIZE REQUIRED
CONTACT: SOLDER
FERRULE: .429" HEX CRIMP TOOL

**PASTERNAK®**
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
PE4446

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. -	FSCM NO. 53919	CAD FILE 062202	SCALE N/A	SIZE A	127
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UHF Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216

RF Connectors Technical Data Sheet

PE44050

Configuration

- UHF Male Connector
- 50 Ohms
- Straight Body Geometry
- RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216 Interface Type
- Clamp/Solder Attachment

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 PE44050 UHF male connector with clamp/solder attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215 and RG216 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 PE44050 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	
Operating Voltage (AC)			1,000	Vrms
Insulation Resistance	5,000			MOhms

Mechanical Specifications

Size	
Length	1.44 in [36.58 mm]
Width/Dia.	0.75 in [19.05 mm]
Weight	0.076 lbs [34.47 g]

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 Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216 PE44050](#)



UHF Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216

RF Connectors Technical Data Sheet

PE44050

Material Specifications

Description	Material	Plating
Contact	Brass	Gold
Insulation	PTFE	
Body	Brass	Nickel
Coupling Nut	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:

UHF Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216 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.

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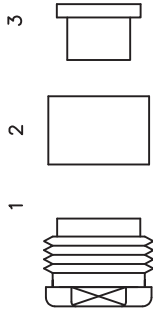
URL: <https://www.pasternack.com/uhf-male-standard-rg213-rg214-rg8-rg9-rg11-rg225-rg393-connector-pe44050-p.aspx>

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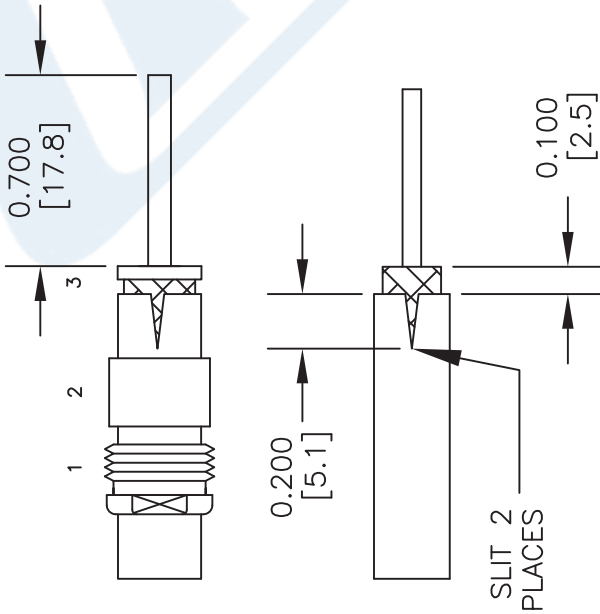
PE44050 CAD Drawing

UHF Male Connector Clamp/Solder Attachment for RG213, RG214, RG8, RG9, RG11, RG225, RG393, RG144, RG215, RG216

ASSEMBLY PROCEDURES

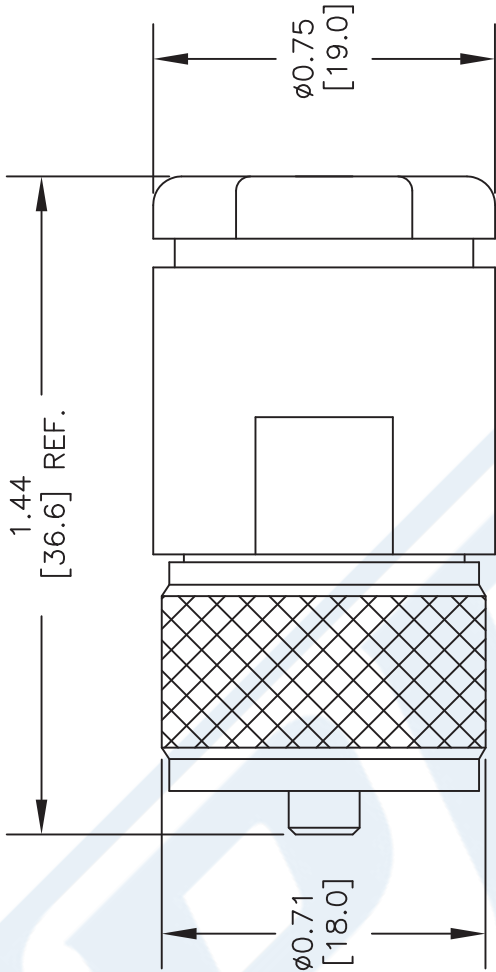


1. SLIDE CLAMP NUT (1) & GASKET (2) OVER CABLE.
STRIP CABLE AS SHOWN BELOW



STRIPPING DIMENSIONS

2. INSERT BRAID CLAMP (3) BETWEEN BRAID & DIELECTRIC. INSERT ASSEMBLY INTO BODY. AND TIGHTEN CLAMP NUT. THEN SOLDER CENTER CONDUCTOR TO CONTACT.



STANDARD TOLERANCES

.X	±0.008
.XX	±0.004
.XXX	±0.002

*STANDARD TOLERANCES APPLY
ONLY TO DIMENSIONS IN INCHES

NOTES:

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DWG TITLE

PE44050

FSCM NO. 53919

3045

SCALE N/A

CAD FILE 032316

SIZE A



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Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG8A/U

Times Microwave Systems Coax Cable Specification Configuration

- Flexible Cable
- 1 Shield(s)

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Nominal Capacitance		30.8 [101.05]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	1	10	50	400	700	MHz
Attenuation, Typ	0.2 0.66	0.6 1.97	1.3 4.27	4.1 13.45	6.5 21.33	dB/100ft dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	900	1,000				MHz
Attenuation, Typ	7.6 24.93	8 26.25				dB/100ft dB/100m

Mechanical Specifications

Diameter	0.405 in [10.29 mm]
Weight	0.105 lbs/ft [0.16 Kg/m]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, 7 Strands	0.085 in [2.16 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8A/U](#)



Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket

RF Cables Technical Data Sheet

RG8A/U

Conductor Type	Stranded	
Dielectric	PE	0.285 in [7.24 mm]
First Shield	Copper Braid	0.318 in [8.08 mm]
Jacket	PVC (NC), Black	0.405 in [10.29 mm]

Environmental Specifications

Temperature

Operating Range

-40 to +80 deg C

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

Plotted and Other Data

Notes:

Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) 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.

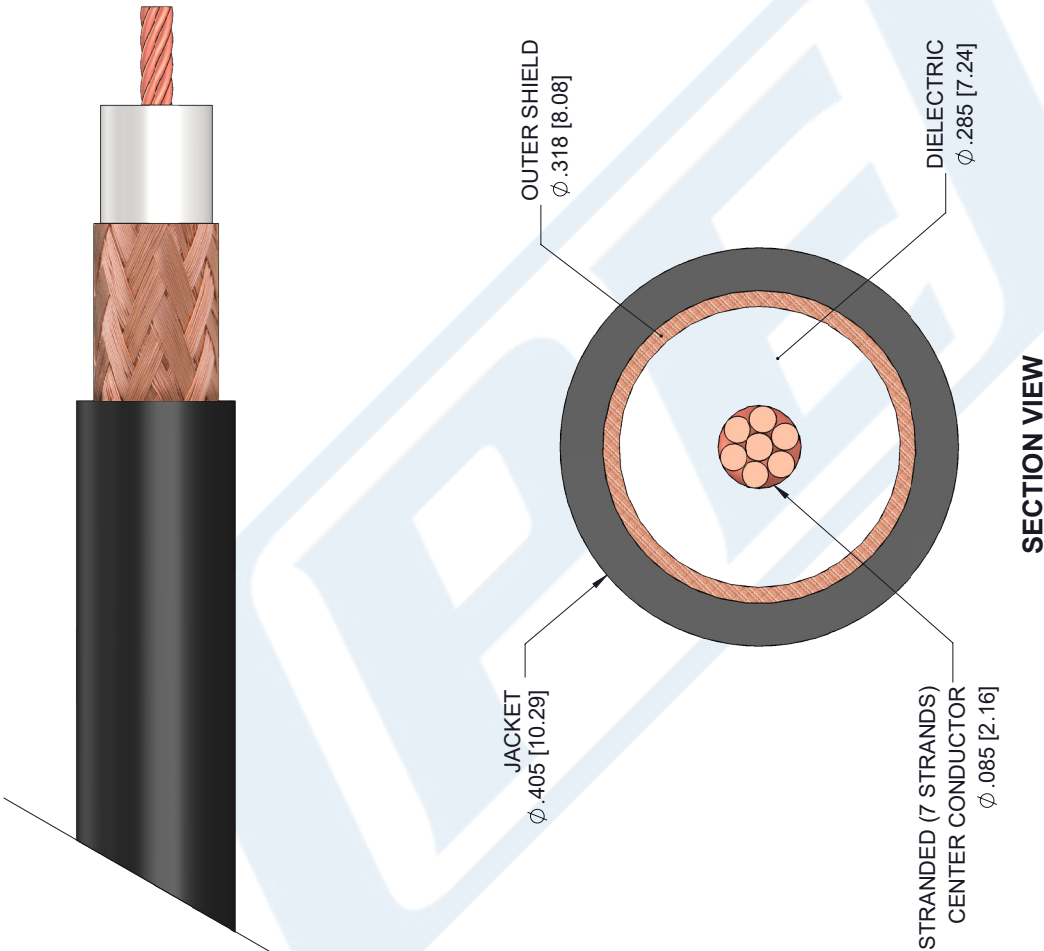
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Flexible RG8 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG8A/U](#)

URL: <https://www.pasternack.com/flexible-0.405-rg8-52-ohm-coax-cable-pvc-jacket-rg8a-u-p.aspx>

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RG8A/U CAD Drawing

Flexible RG8 Coax Cable Single Shielded with Black PVC (NC) Jacket



STANDARD TOLERANCES
.X ±0.2
.XX ±0.01
.XXX ±0.005

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



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DWG TITLE	RG8A/U
CAGE CODE	53919

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