



## 75 Ohm N Male Connector Crimp/Solder Attachment for RG11, RG144, RG216

### RF Connectors Technical Data Sheet

**PE4510**

#### Configuration

- N Male Connector
- MIL-STD-348A
- 75 Ohms
- Straight Body Geometry
- RG11, RG144, RG216 Interface Type
- Crimp/Solder Attachment

#### Features

- Max. Operating Frequency 11 GHz
- Gold Plated Brass Contact
- 30  $\mu$ m minimum contact plating

#### Applications

- General Purpose Test
- Custom Cable Assemblies

#### Description

Pasternack's PE4510 75 ohm type N male connector with crimp/solder attachment for RG11, RG144 and RG216 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.

Our 75 ohm type N male connector PE4510 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
Inner Conductor DC Resistance			1	mOhms
Outer Conductor DC Resistance			0.2	mOhms
Insulation Resistance	5,000			MOhms

#### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 3					GHz
VSWR, Max	1.3:1					

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male Connector Crimp/Solder Attachment for RG11, RG144, RG216 PE4510](#)



75 Ohm N Male Connector Crimp/Solder  
Attachment for RG11, RG144, RG216

RF Connectors Technical Data Sheet

PE4510

**Mechanical Specifications**

**Size**

Length 1.504 in [38.2 mm]

Width/Dia. 0.8 in [20.32 mm]

Weight 0.082 lbs [37.19 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

**Environmental Specifications**

**Temperature**

Operating Range -65 to +165 deg C

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male Connector Crimp/Solder Attachment for RG11, RG144, RG216 PE4510](#)



## 75 Ohm N Male Connector Crimp/Solder Attachment for RG11, RG144, RG216

### RF Connectors Technical Data Sheet

PE4510

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

#### Plotted and Other Data

Notes:

75 Ohm N Male Connector Crimp/Solder Attachment for RG11, RG144, 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.

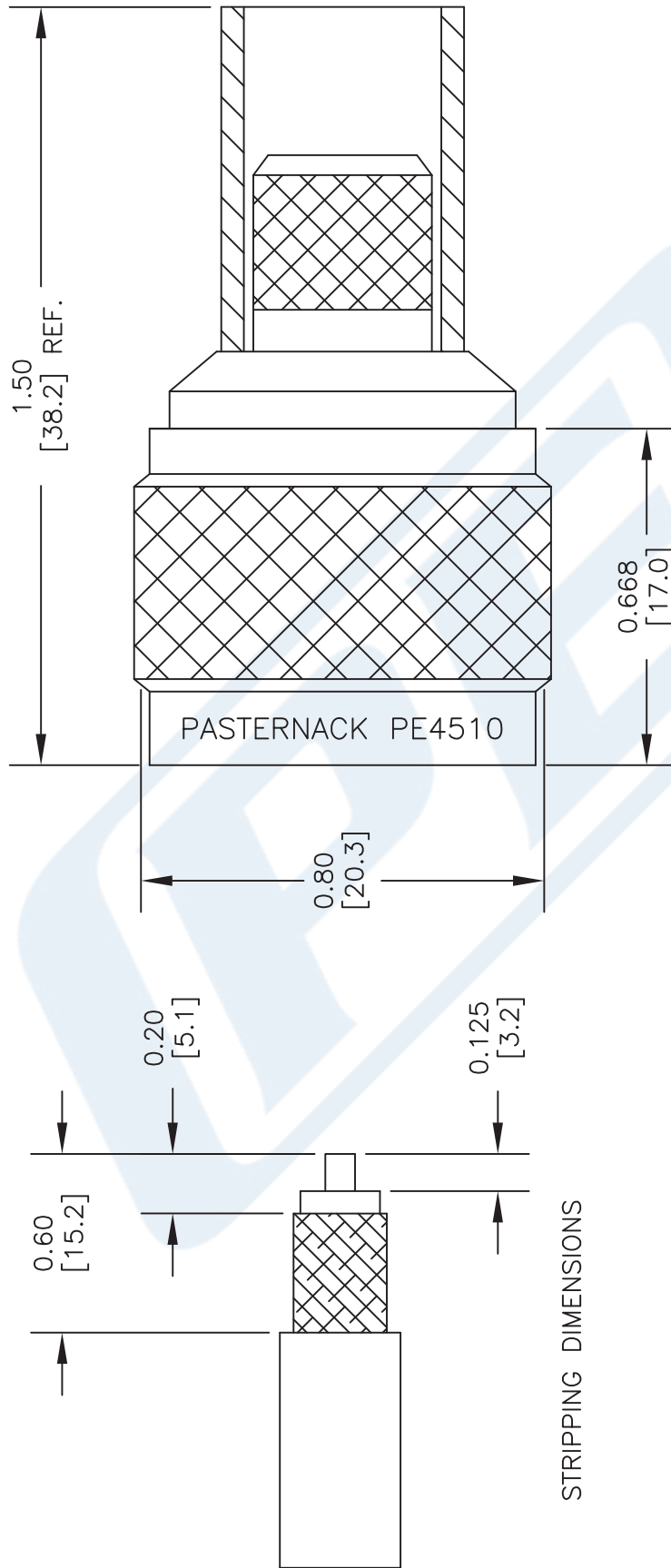
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male Connector Crimp/Solder Attachment for RG11, RG144, RG216 PE4510](#)

URL: <https://www.pasternack.com/n-male-standard-rg11-rg144-rg216-connector-pe4510-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.

# PE4510 CAD Drawing

75 Ohm N Male Connector Crimp/Solder Attachment for RG11, RG144, RG216



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: .068" HEX CRIMP TOOL  
FERRULE: .429" HEX CRIMP TOOL

DWG TITLE

**PE4510**

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].

**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 | E-Mail: sales@pasternack.com

FSCM NO. 53919

CAD FILE 040516

SCALE N/A

SIZE A

3045



## 75 Ohm F Male Connector Crimp/Solder Attachment for RG11, RG216, RG144

### RF Connectors Technical Data Sheet

**PE44315**

#### Configuration

- F Male Connector
- 75 Ohms
- Straight Body Geometry
- RG11, RG216, RG144 Interface Type
- Crimp/Solder Attachment
- 7/16 inch Hex

#### Features

- Max. Operating Frequency 1,000 MHz
- Good VSWR of 1.3:1
- Gold Plated Brass Contact

#### Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

#### Description

Pasternack's PE44315 75 ohm type F male connector with crimp/solder attachment for RG11, RG216 and RG144 is part of our full line of RF components available for same-day shipping. Our type F male connector operates up to a maximum frequency of 1,000 MHz and offers good VSWR of 1.3:1.

Our 75 ohm type F male connector PE44315 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		1,000	MHz
VSWR			1.3:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

#### Mechanical Specifications

<b>Size</b>	
Length	1.25 in [31.75 mm]
Width/Dia.	0.433 in [11.00 mm]
Weight	0.003 lbs [1.36 g]
Mating Torque	12 to 15 in-lbs [1.36 to 1.70 Nm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm F Male Connector Crimp/Solder Attachment for RG11, RG216, RG144 PE44315](#)



## 75 Ohm F Male Connector Crimp/Solder Attachment for RG11, RG216, RG144

### RF Connectors Technical Data Sheet

PE44315

#### Material Specifications

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

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +85 deg C

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

#### Plotted and Other Data

Notes:

75 Ohm F Male Connector Crimp/Solder Attachment for RG11, RG216, RG144 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: [75 Ohm F Male Connector Crimp/Solder Attachment for RG11, RG216, RG144 PE44315](#)

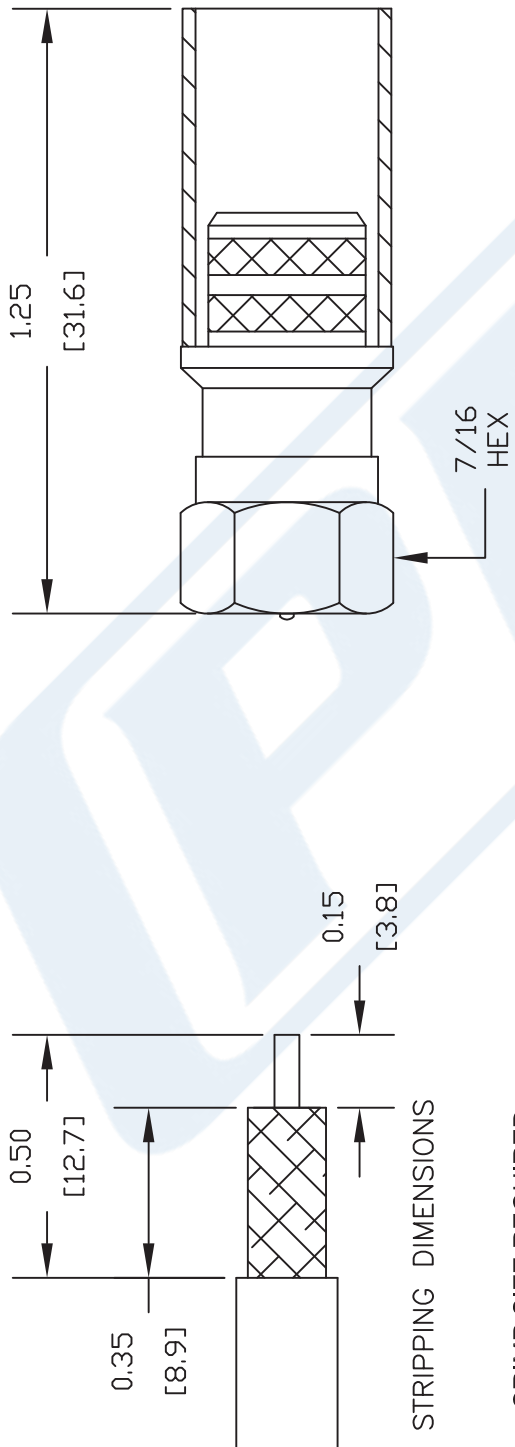
URL: <https://www.pasternack.com/f-male-standard-rg11-connector-pe44315-p.aspx>

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# PE44315 CAD Drawing

75 Ohm F Male Connector Crimp/Solder Attachment for RG11, RG216, RG144



STRIPPING DIMENSIONS

CRIMP SIZE REQUIRED

CONTACT: SOLDER

FERRULE: .429" HEX CRIMP TOOL

DWG TITLE		FSCM NO. 53919		CAD FILE	101211	SCALE	N/A	SIZE	A	2231
PE44315		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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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)



75 Ohm Flexible RG11 Coax Cable Single  
Shielded with Black PVC Jacket

**TECHNICAL DATA SHEET**

**RG11A/U**

75 Ohm Flexible RG11 Coax Cable Single Shielded with Black PVC Jacket

**Configuration**

Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Shield Materials	Copper
Jacket Material and Color	PVC, Black

**Electrical Specifications**

Impedance, Ohms	75
Velocity of Propagation, %	65.9
Maximum Operating Frequency, MHz	1000
RF Shielding, dB	45
Capacitance, pF/ft [pF/m]	20.5 [67.26]

**Mechanical Specifications**

**Temperature**

Operating Range, deg C	-40 to +80
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**Inner Conductor**

Number of Strands	7
Material	Copper
Plating	Tin
Diameter, in [mm]	0.048 [1.22]

**Dielectric:**

Type	PE
Diameter, in [mm]	0.285 [7.24]

**Shield:**

Number of	1
Material 1	Copper
Diameter, in [mm]	0.314 [7.98]

**Jacket:**

Material	PVC
Diameter, in [mm]	0.405 [10.29]
Color	Black
One Time Minimum Bend Radius, in [mm]	4.5 [114.3]
Weight, lbs/ft [Kg/m]	0.101 [0.15]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG11 Coax Cable Single Shielded with Black PVC Jacket RG11A/U](#)

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75 Ohm Flexible RG11 Coax Cable Single  
Shielded with Black PVC Jacket

**TECHNICAL DATA SHEET**

**RG11A/U**

**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

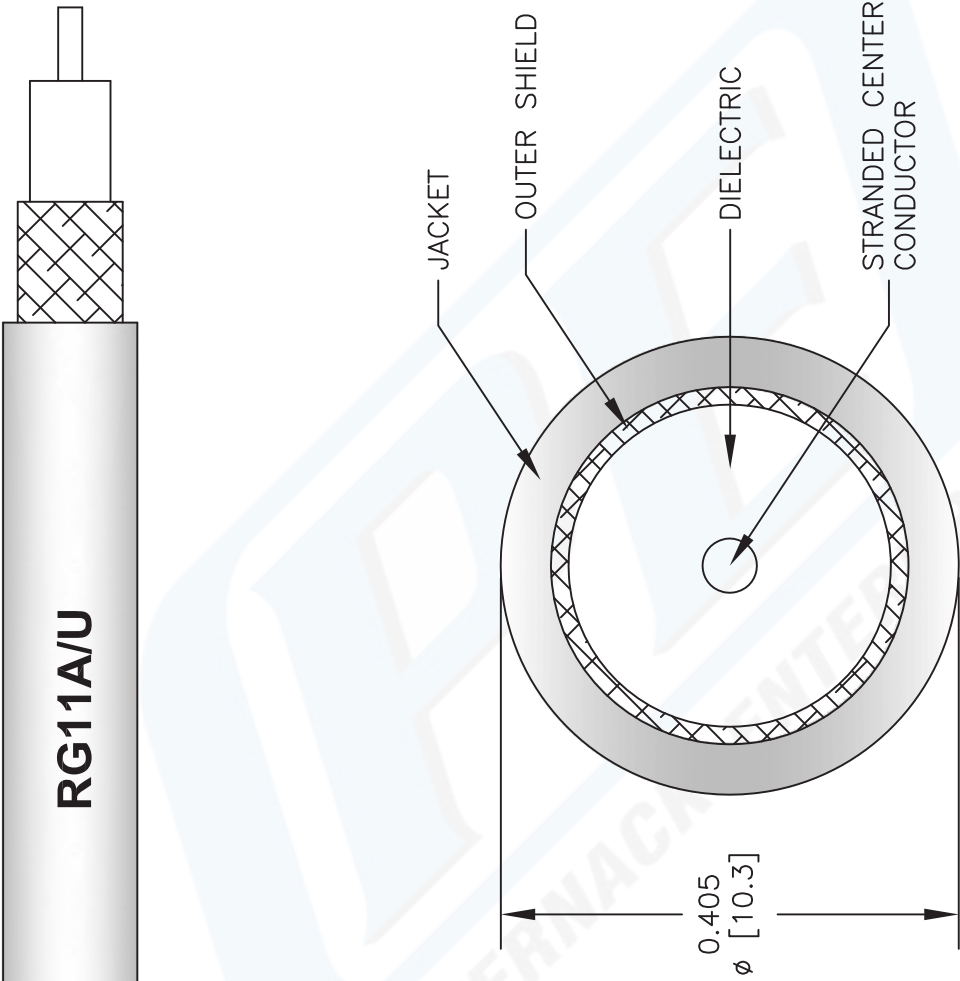
URL: <http://www.pasternack.com/flexible-0.405-rg11-75-ohm-coax-cable-pvc-jacket-rg11a-u-p.aspx>

75 Ohm Flexible RG11 Coax Cable Single Shielded with Black PVC Jacket 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.

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RG11A/U CAD Drawing

75 Ohm Flexible RG11 Coax Cable Single Shielded with Black PVC Jacket



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DWG TITLE

RG11A/U

FSCM NO. 53919

CAD FILE 022808-A

SCALE N/A

SIZE A

2233

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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)