



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 μ in 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
 Width/Dia.

 1.504 in [38.2 mm]
 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 μ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 μ in 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.

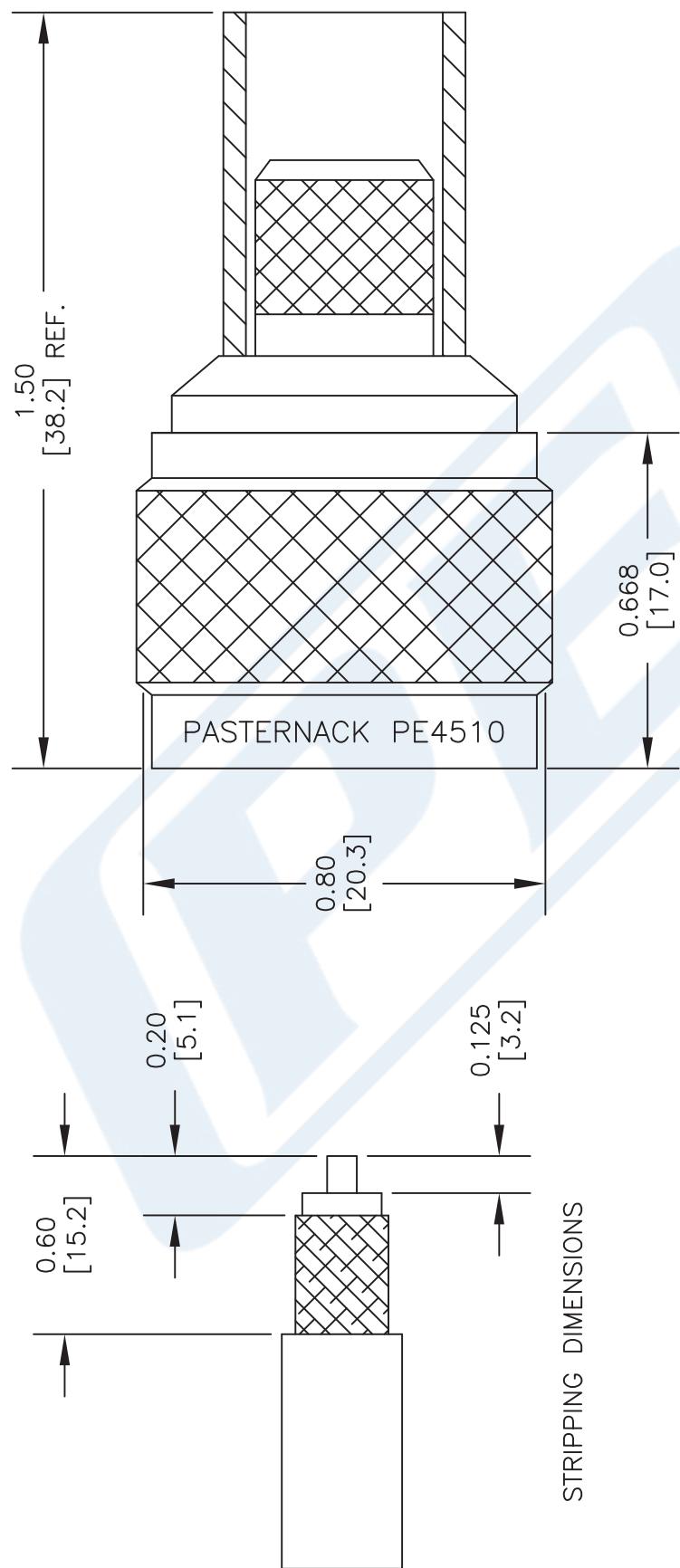
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm N Male Connector Crimp/Solder Attachment for RG11, RG144, RG216 PE4510](#)

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



CRIMP SIZE REQUIRED

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



PASTERNACK
THE ENGINEER'S RF SOURCE
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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	PE4510
FSCM NO.	53919

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].

SIZE A	3045
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75 Ohm TNC Male Connector Crimp/Solder Attachment for RG11, RG144, RG216

RF Connectors Technical Data Sheet

PE44164

Configuration

- TNC Male Connector
- MIL-STD-348
- 75 Ohms

- Straight Body Geometry
- RG11, RG144, RG216 Interface Type
- Crimp/Solder Attachment

Features

- Silver Plated Contact
- Contact plating according to QQ-S-365

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE44164 75 ohm TNC 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 75 ohm TNC male connector PE44164 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.

Mechanical Specifications

Size

Length
Width/Dia.

1.78 in [45.21 mm]

0.59 in [14.99 mm]

Weight

0.055 lbs [24.95 g]

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	Brass	Nickel QQ-N-290
Coupling Nut	Brass	Nickel QQ-N-290

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Male Connector Crimp/Solder Attachment for RG11, RG144, RG216 PE44164](#)



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

RF Connectors Technical Data Sheet

PE44164

Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

Notes:

75 Ohm TNC 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.

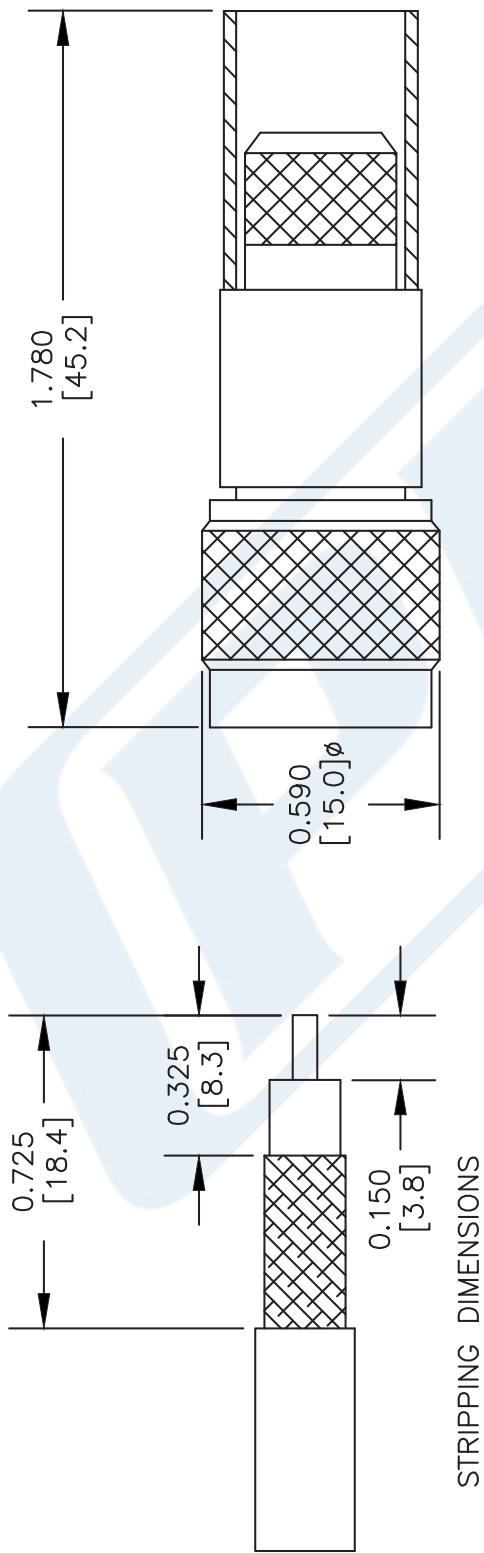
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm TNC Male Connector Crimp/Solder Attachment for RG11, RG144, RG216 PE44164](#)

URL: <https://www.pasternack.com/tnc-male-standard-rg11-connector-pe44164-p.aspx>

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PE44164 CAD Drawing

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



CONTACT: SOLDER
FERRULE: .429" HEX CRIMP TOOL

PE **PASTERNAK**®

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PE44164

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3. DIMENSIONS ARE IN INCHES [mm].
4. FITS MIL-C-17 AND EQUIVALENT CABLES.

FSM NO.	CAD FILE	SCALE	SIZE	REV
53919	062702	N/A	A	127



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
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 for current document)

RoHS Compliant

Yes

Plotted and Other Data

Notes:

Values at 25 °C, sea level

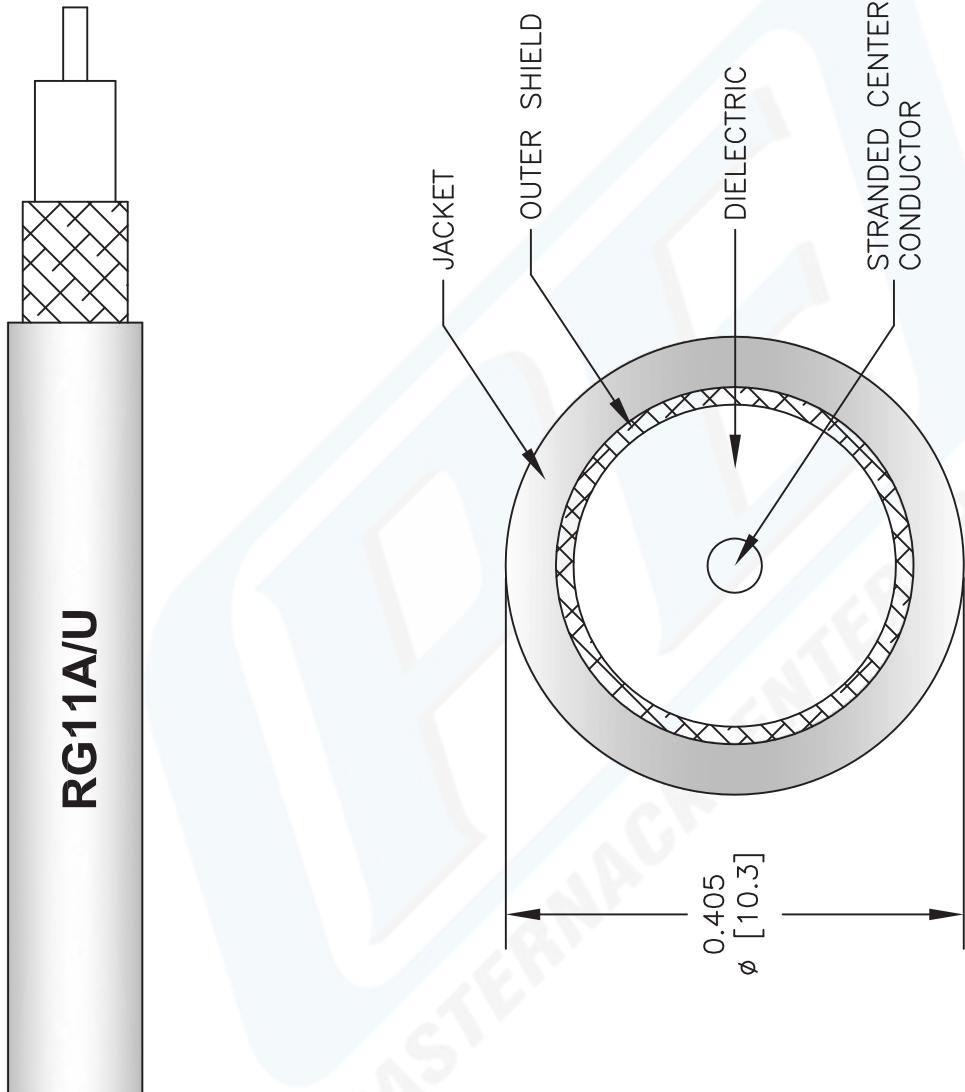
URL: <http://www.pasternack.com/flexible-0.405-rg11-75-ohm-coax-cable-pvc-jacket-rg11a-u-p.aspx>

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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