



75 Ohm F Male Right Angle Connector Crimp/ Solder Attachment for RG59, RG62, RG71

RF Connectors Technical Data Sheet

PE44322

Configuration

- F Male Connector
- 75 Ohms
- Right Angle Body Geometry

- RG59, RG62, RG71 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
- 30 μ in minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

Description

Pasternack's PE44322 75 ohm type F male right angle connector with crimp/solder attachment for RG59, RG62 and RG71 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. Its right angle body geometry allows for easier connections in tight spaces.

Our 75 ohm type F male right angle connector PE44322 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

Size	
Length	0.94 in [23.88 mm]
Width/Dia.	0.433 in [11.00 mm]
Height	0.756 in [19.2 mm]
Weight	0.027 lbs [12.25 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 Right Angle Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE44322](#)



75 Ohm F Male Right Angle Connector Crimp/ Solder Attachment for RG59, RG62, RG71

RF Connectors Technical Data Sheet

PE44322

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 100 μ in minimum

Environmental Specifications

Temperature

Operating Range

-40 to +85 deg C

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

Plotted and Other Data

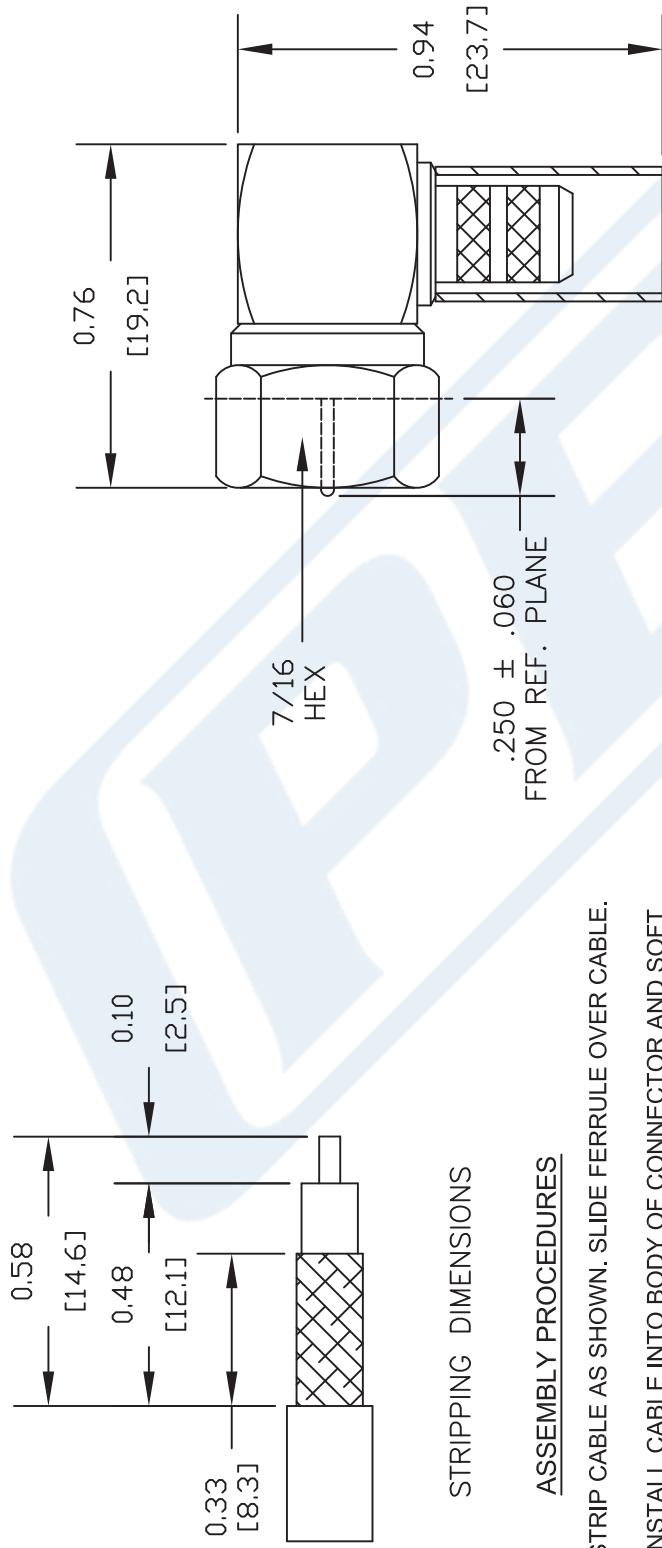
Notes:

75 Ohm F Male Right Angle Connector Crimp/Solder Attachment for RG59, RG62, RG71 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 Right Angle Connector Crimp/Solder Attachment for RG59, RG62, RG71 PE44322](#)

URL: <https://www.pasternack.com/f-male-standard-rg59-rg62-connector-pe44322-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.



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.

DWG TITLE		PE44322	
REV. C	FSCM NO.	53919	CAD FILE
		040811	SCALE N/A
		127	SIZE A

PE PASTERNACK
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75 Ohm N Female Connector Clamp/Solder Attachment for RG59, RG62, RG71, .480 inch D Hole



RF Connectors Technical Data Sheet

PE4516

Configuration

- N Female Connector
- MIL-STD-348
- 75 Ohms

- Straight Body Geometry
- RG59, RG62, RG71 Interface Type
- Clamp/Solder Attachment

Features

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

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

Pasternack's PE4516 75 ohm type N female connector with clamp/solder attachment for RG59, RG62 and RG71 (.480 inch D hole) is part of our full line of RF components available for same-day shipping.

Our 75 ohm type N female connector PE4516 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.

1.4 in [35.56 mm]

0.625 in [15.88 mm]

Weight

0.068 lbs [30.84 g]

Material Specifications

Description	Material	Plating
Contact		Silver QQ-S-365
Insulation	PTFE	
Body	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 N Female Connector Clamp/Solder Attachment for RG59, RG62, RG71, .480 inch D Hole PE4516](#)



75 Ohm N Female Connector Clamp/Solder Attachment for RG59, RG62, RG71, .480 inch D Hole

RF Connectors Technical Data Sheet

PE4516

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

Plotted and Other Data

Notes:

75 Ohm N Female Connector Clamp/Solder Attachment for RG59, RG62, RG71, .480 inch D Hole 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 Female Connector Clamp/Solder Attachment for RG59, RG62, RG71, .480 inch D Hole PE4516](#)

URL: <https://www.pasternack.com/n-female-standard-rg59-rg62-connector-pe4516-p.aspx>

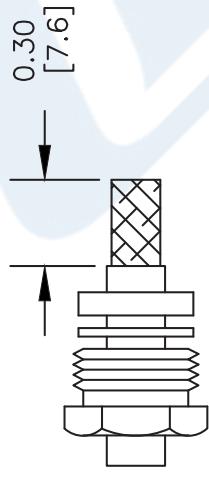
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PE4516 CAD Drawing

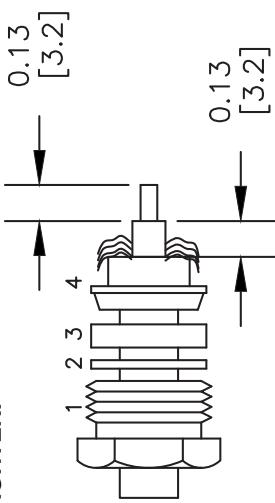
75 Ohm N Female Connector Clamp/Solder Attachment
for RG59, RG62, RG71, .480 inch D Hole

ASSEMBLY PROCEDURES

1. SLIDE CLAMP NUT (1), WASHER (2) & GASKET (3) OVER CABLE. STRIP CABLE AS SHOWN. DO NOT NICK BRAID WHILE CUTTING JACKET. TAPER END OF BRAID TO PERMIT ASSEMBLY OF BRAID CLAMP (4). SLIDE BRAID CLAMP (4) OVER BRAID & SEAT AGAINST CABLE.

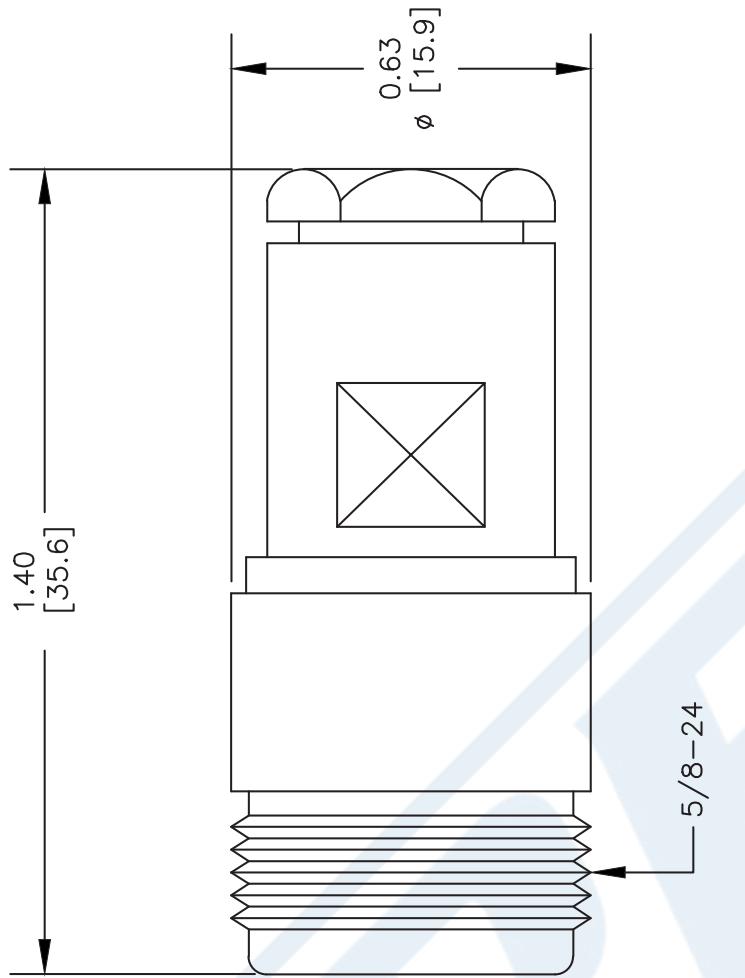


2. FORM BRAID OVER CLAMP NUT (4). TRIM BRAID BACK TO SHOULDER. CUT DIELECTRIC & CENTER CONDUCTOR TO DIMENSION SHOWN. DO NOT NICK CENTER CONDUCTOR. SOLDER CONTACT TO CENTER CONDUCTOR. REMOVE EXCESS SOLDER. DO NOT OVER HEAT DIELECTRIC. INSERT CABLE ASSEMBLY INTO BODY & TIGHTEN.



NOTE:

RG62 USES PTFE INSERT.
INSERT PTFE BEFORE CONTACT.
TAPER END FIRST.



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4. FITS MIL-C-17 AND EQUIVALENT CABLES.

PASTERNACK®	DWG TITLE	PE4516					
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	052102	SCALE N/A	SIZE A	127

75 Ohm Flexible RG59-WHITE Coax Cable Double Shielded with White PVC Jacket

RF Cables Technical Data Sheet

RG59-WHITE

Configuration

Flexible Cable
2 Number of Shields

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		75		Ohms
Velocity of Propagation		83		%
Operating Voltage (AC)			300	Vrms
Nominal Capacitance		16.2 [53.15]		pF/ft [pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	300	400	550	750	870	MHz
Attenuation, Typ	4.27	4.88	5.9	6.96	7.54	dB/100ft
	14.01	16.01	19.36	22.83	24.74	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	1,000					MHz
Attenuation, Typ	8.09					dB/100ft
	26.54					dB/100m

Mechanical Specifications

Diameter	0.242 in [6.15 mm]
Weight	0.03 lbs/ft [0.04 Kg/m]
Min. Bend Radius (Installation)	2.5 in [63.5 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel, 1 Strands	0.032in [0.81 mm]

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 RG59-WHITE Coax Cable Double Shielded with White PVC Jacket RG59-WHITE](#)

75 Ohm Flexible RG59-WHITE Coax Cable Double Shielded with White PVC Jacket

RF Cables Technical Data Sheet

RG59-WHITE

Dielectric	PE (F)	0.144 in [3.66 mm]
First Shield	Aluminum Tape	
Second Shield	Aluminum Braid	
Jacket	PVC, White	0.242 in [6.15 mm]

Environmental Specifications

Temperature

Operating Range

-40 to 80 deg C

Compliance Certifications (visit www.Pasternack.com for current document)

Not RoHS Compliant
REACH Compliant

12/19/2011

Plotted and Other Data

Notes:

75 Ohm Flexible RG59-WHITE Coax Cable Double Shielded with White PVC Jacket 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.

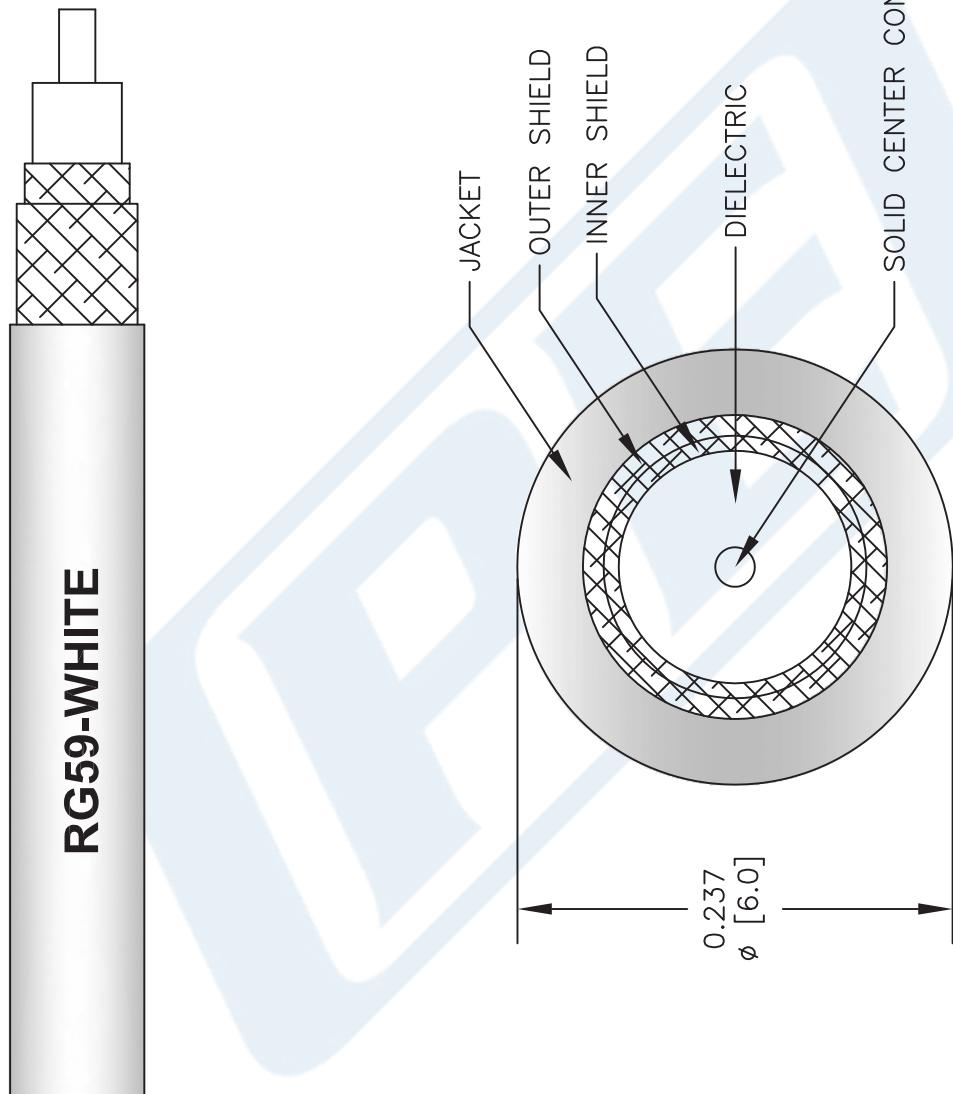
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59-WHITE Coax Cable Double Shielded with White PVC Jacket RG59-WHITE](http://www.pasternack.com/flexible-0.242-rg59-white-75-ohm-coax-cable-pvc-jacket-rg59-white-p.aspx)

URL: <http://www.pasternack.com/flexible-0.242-rg59-white-75-ohm-coax-cable-pvc-jacket-rg59-white-p.aspx>

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RG59-WHITE CAD Drawing

75 Ohm Flexible RG59-WHITE Coax Cable Double Shielded with White PVC Jacket



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RG59-WHITE

DWG TITLE



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53919	022713	N/A	A	2233