



75 Ohm BNC Male Connector Clamp/Solder Attachment for RG59, RG62, RG71

RF Connectors Technical Data Sheet

PE4601

Configuration

- BNC Male Connector
- 75 Ohms
- Straight Body Geometry
- RG59, RG62, RG71 Interface Type
- Clamp/Solder Attachment

Features

- Max. Operating Frequency 1,000 MHz
- Good VSWR of 1.5:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications

- General Purpose Test
- Custom Cable Assemblies
- CATV

Description

Pasternack's PE4601 75 ohm BNC male connector with clamp/solder attachment for RG59, RG62 and RG71 is part of our full line of RF components available for same-day shipping. Our BNC male connector operates up to a maximum frequency of 1,000 MHz and offers good VSWR of 1.5:1.

Our 75 ohm BNC male connector PE4601 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			1.5:1	
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms

Mechanical Specifications

Size	
Length	1.09 in [27.69 mm]
Width/Dia.	0.571 in [14.50 mm]
Weight	0.032 lbs [14.51 g]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Male Connector Clamp/Solder Attachment for RG59, RG62, RG71 PE4601](#)



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Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Brass	Nickel 100 µin minimum
Coupling Nut	Brass	Nickel 100 µin minimum

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 BNC Male Connector Clamp/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.

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URL: <https://www.pasternack.com/bnc-male-standard-rg59-connector-pe4601-p.aspx>

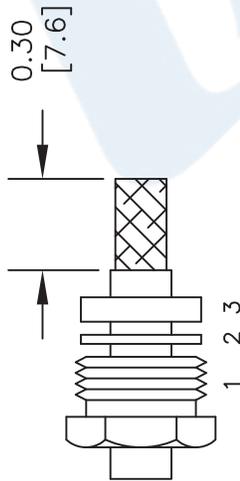
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PE4601 CAD Drawing

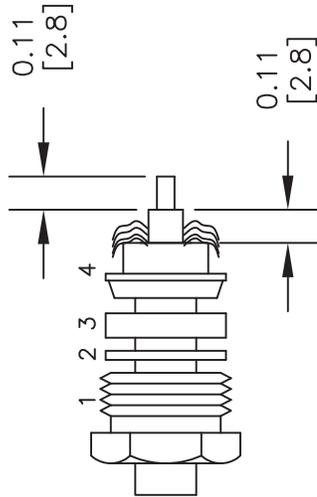
75 Ohm BNC Male Connector Clamp/Solder Attachment for RG59, RG62, RG71

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.



Pasternack Enterprises, Inc.
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Phone: (949) 261-1920 | Fax: (949) 261-7451
Website: www.pasternack.com | E-Mail: sales@pasternack.com

DWG TITLE

PE4601

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

CAD FILE 052402

SCALE N/A

SIZE A

2233



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Environmental Specifications

Temperature

Operating Range

-65 to +165 deg C

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

Plotted and Other Data

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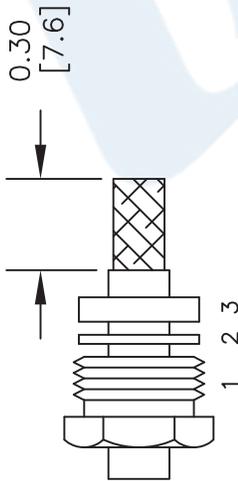
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PE4601 CAD Drawing

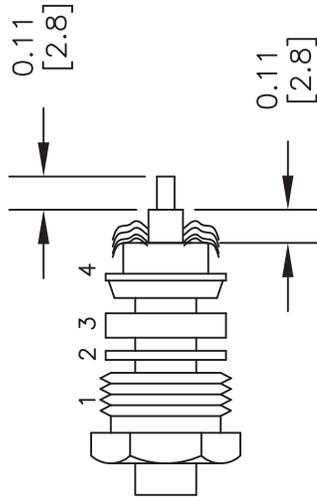
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ASSEMBLY PROCEDURES

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CAD FILE

052402

SCALE

N/A

SIZE

A

2233



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.

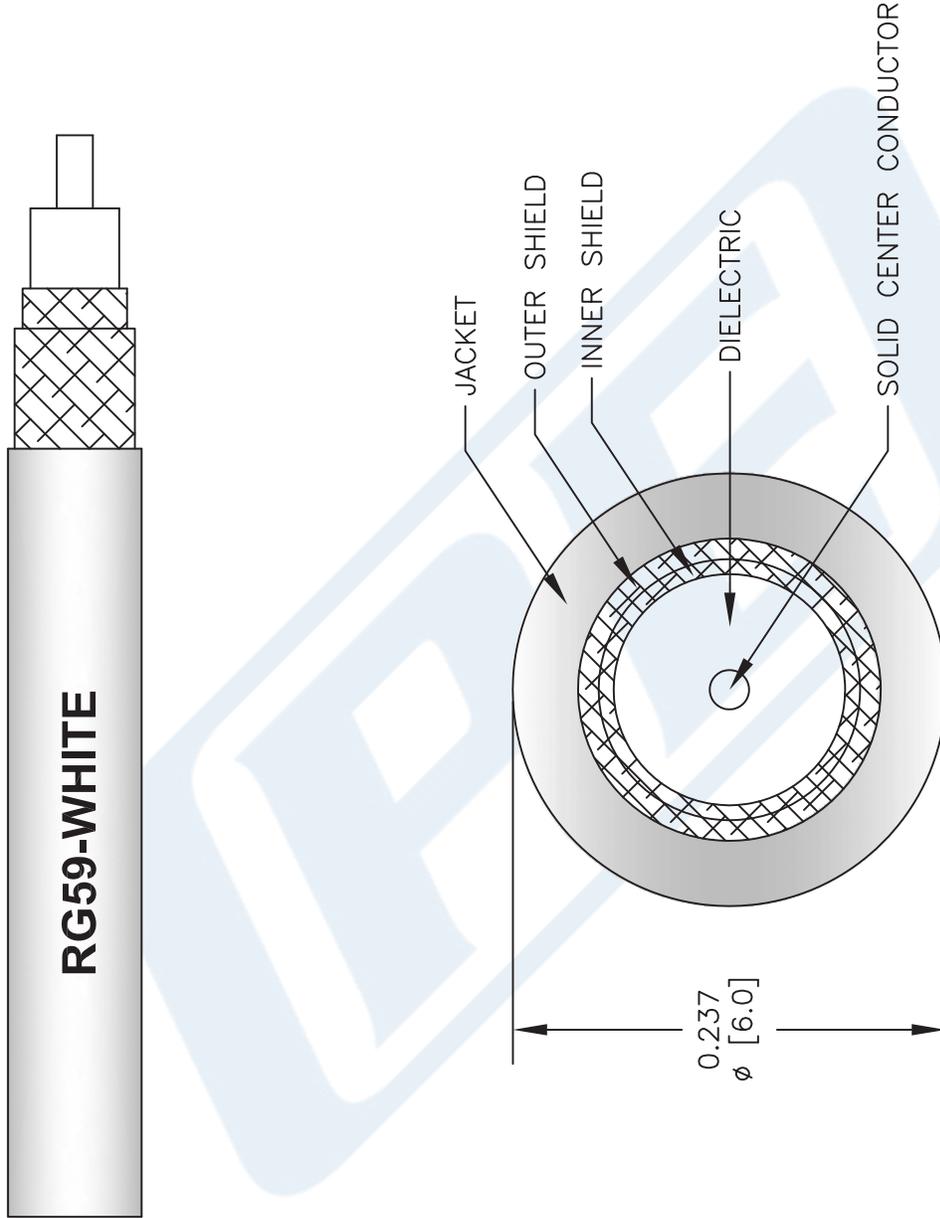
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RG59-WHITE CAD Drawing

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



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DWG TITLE
RG59-WHITE

FSCM NO. 53919

CAD FILE 022713

SCALE N/A

SIZE A

2233

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