



## 75 Ohm TNC Male Connector Crimp/ Solder Attachment for RG59, RG62

### TECHNICAL DATA SHEET

PE44166

#### Configuration

Connector: TNC Male  
 Connector Interface Type: RG59, RG62  
 Attachment Method (Shield/Contact): Crimp/Solder  
 Body Style: Straight

#### Electrical Specifications

Impedance: 75 Ohms

#### Mechanical Specifications

**Temperature**  
 Operating Range: -65 to +165 deg C

#### Size

Length: 1.098 in [27.89 mm]  
 Width/Dia.: 0.59 in [14.99 mm]  
 Weight: 0.027 lbs [12.25 g]

#### Connector

**Type**  
 Contact Material and Plating: Brass, Gold  
 Contact Plating Specification: 30 $\mu$  in. minimum  
 Coupling Nut Material and Plating: Brass, Nickel  
 Coupling Nut Plating Specification: 100 $\mu$  in. minimum  
 Body Material and Plating: Brass, Nickel  
 Body Plating Specification: 100 $\mu$  in. minimum

#### Compliance Certifications

(visit [www.Pasternack.com](http://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: [75 Ohm TNC Male Connector Crimp/Solder Attachment for RG59, RG62 PE44166](#)



## 75 Ohm TNC Male Connector Crimp/ Solder Attachment for RG59, RG62

### TECHNICAL DATA SHEET

PE44166

#### Plotted and Other Data

Notes:

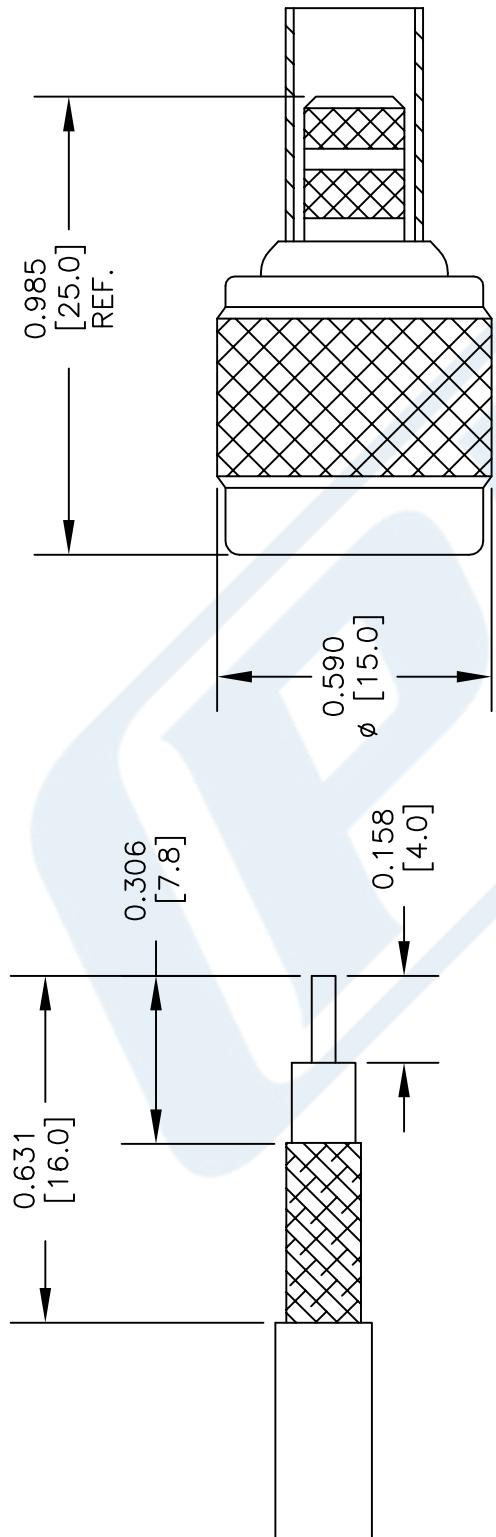
- Values at +25 °C, sea level

75 Ohm TNC Male Connector Crimp/Solder Attachment for RG59, RG62 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 RG59, RG62 PE44166](#)

URL: <http://www.pasternack.com/tnc-male-rg59-rg62-connector-pe44166-p.aspx>

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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	DWG TITLE <b>PE44166</b>	FSCM NO. 53919	CAD FILE 101414	SCALE N/A	SIZE A	150
Pasternack Enterprises, Inc. P.O. Box 16759   Irvine   CA   92623 Phone: (949) 261-1920   Fax: (949) 261-7451 Website: <a href="http://www.pasternack.com">www.pasternack.com</a>   E-Mail: <a href="mailto:sales@pasternack.com">sales@pasternack.com</a>						



## 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  $\mu$ 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 $\mu$ in minimum
Insulation	PTFE	
Body	Brass	Nickel 100 $\mu$ in minimum
Coupling Nut	Brass	Nickel 100 $\mu$ in minimum

#### Environmental Specifications

##### Temperature

Operating Range

-40 to +85 deg C

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

#### Plotted and Other Data

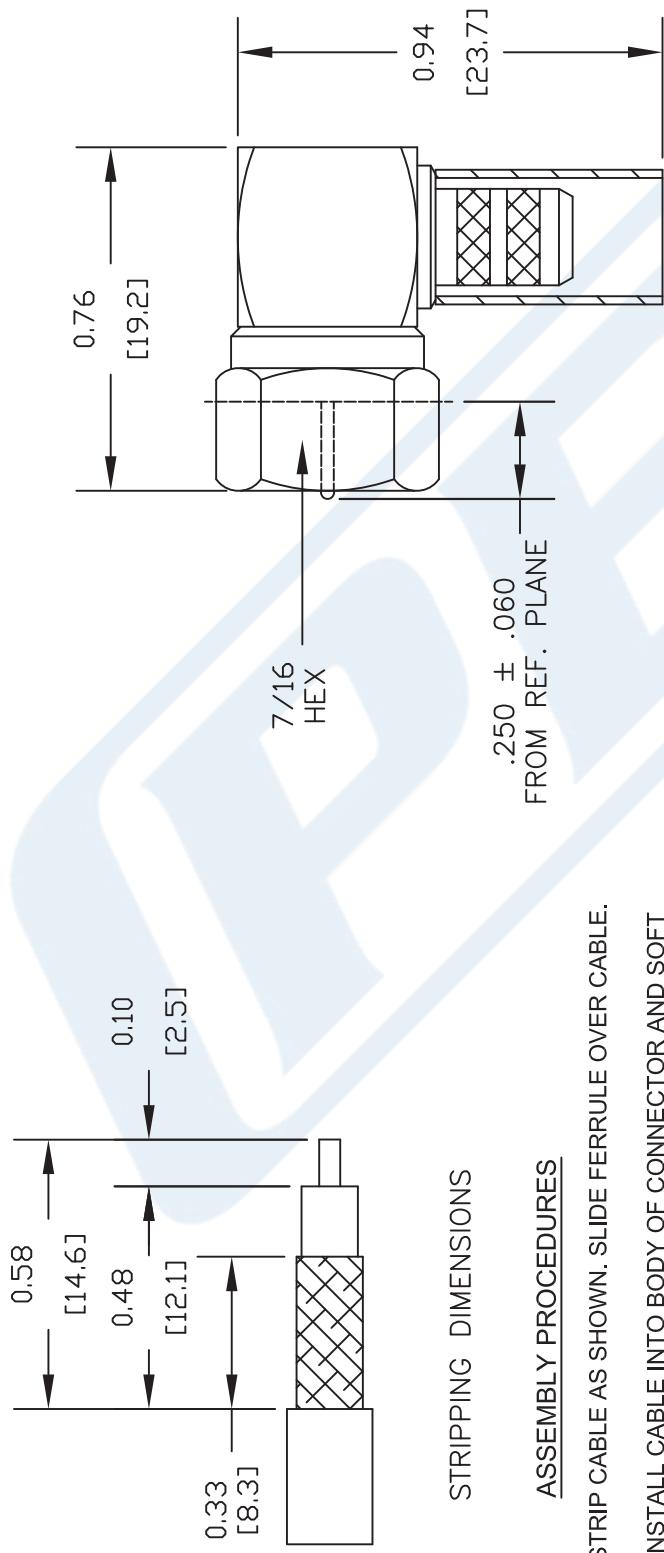
Notes:

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>

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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	SCALE	N/A	SIZE A
127				

# 75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket

## RF Cables Technical Data Sheet

**RG59B/U**

### Configuration

- Flexible Cable
- 1 Shield(s)

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Impedance		75.3		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			2,300	Vrms
Nominal Capacitance		20.4 [66.93]		pF/ft [pF/m]

### Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	100	200	550	800	1,000	MHz
Attenuation, Max	3.81	5.37	9.18	11.21	12.68	dB/100ft
	12.5	17.62	30.12	36.78	41.6	dB/100m

### Mechanical Specifications

Diameter	0.242 in [6.15 mm]
Weight	0.039 lbs/ft [0.06 Kg/m]

### Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper Clad Steel1	0.022 in 0.56 mm
Conductor Type	Solid	
Dielectric	PE	0.146 in 3.71 mm
First Shield	Copper Braid	0.165 in 4.19 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 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG59B/U](#)

# 75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket

## RF Cables Technical Data Sheet

RG59B/U

Jacket	PVC (NC), Black	0.242 in [6.15 mm]
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### Environmental Specifications

#### Temperature

Operating Range

-25 to +70 deg C

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

### Plotted and Other Data

Notes:

75 Ohm Flexible RG59 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.

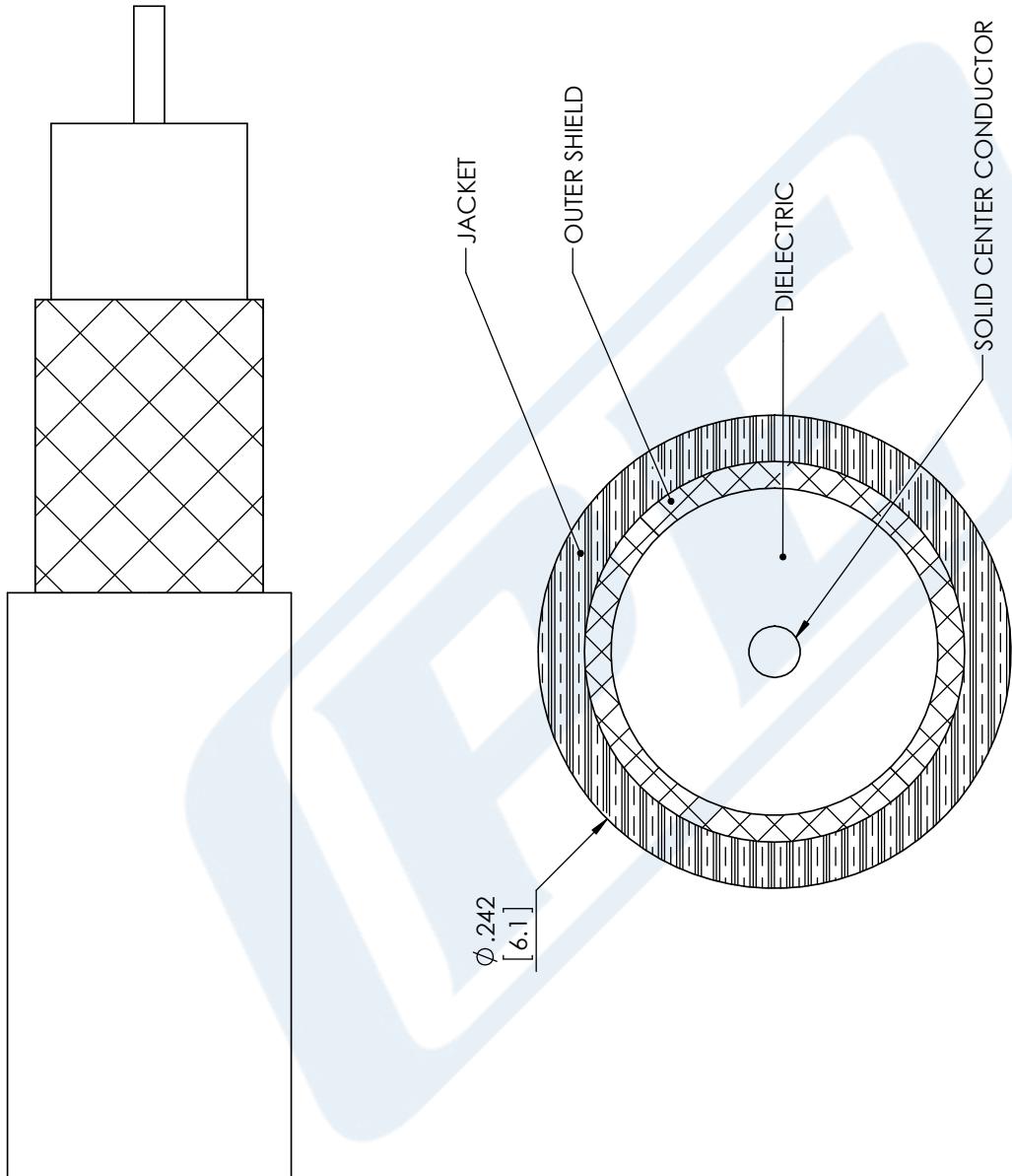
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC \(NC\) Jacket RG59B/U](#)

URL: <https://www.pasternack.com/flexible-0.242-rg59-75-ohm-coax-cable-pvc-jacket-rg59b-u-p.aspx>

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# RG59B/U CAD Drawing

75 Ohm Flexible RG59 Coax Cable Single Shielded with Black PVC (NC) Jacket



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**STANDARD TOLERANCES**

X	$\pm 0.2$
.XX	$\pm 0.01$
.XXX	$\pm 0.005$

\*STANDARD TOLERANCES APPLY  
ONLY TO DIMENSIONS IN INCHES

<b>DWG TITLE</b>	RG59B/U	<b>NOTES:</b> 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].
<b>CAGE CODE</b>	53919	CAD FILE 1/1/2017 SCALE N/A SIZE A CN2245