

## 75 Ohm BNC Male to Unterminated Lead Cable Using 75 Ohm RG187 Coax in 48 Inch

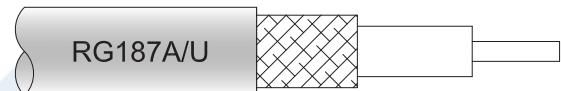


### RF Cable Assemblies Technical Data Sheet

**PE39599-48**

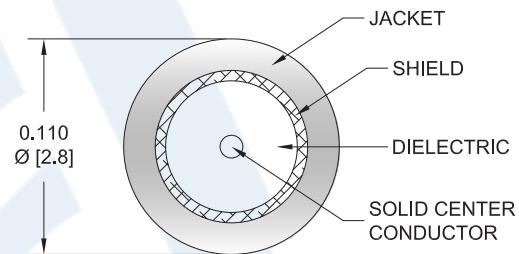
#### Configuration

- Connector 1: BNC Male
- Connector 2: Straight Cut Lead
- Cable Type: RG187



#### Features

- Max Frequency 3 GHz
- 69.5% Phase Velocity
- PTFE Jacket



#### Applications

- General Purpose
- Laboratory Use

#### Description

Pasternack's PE39599-48 75 ohm BNC male to straight cut lead 48 inch cable using 75 ohm RG187 coax is part of our full line of RF components available for same-day shipping. Pasternack's flexible RF cable assemblies are ideal for applications where tight bends and flexure are required. The PE39599-48 BNC male to straight cut lead cable assembly operates to 3 GHz.

Custom versions of most RF cable assemblies can be built and shipped same day. Custom cable assembly lengths can be obtained by specifying the desired length on the web site at time of order or by contacting a sales representative. Other available RF cable assembly value added services include connector orientation or clocking, heat shrink booting and custom labeling. RF testing can also be performed to document the electrical performance of your cable assembly.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
Velocity of Propagation		69.5		%
Capacitance	22 [72.18]			pF/ft [pF/m]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	400					MHz
Insertion Loss (Typ.)	21					dB

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 to Unterminated Lead Cable Using 75 Ohm RG187 Coax in 48 Inch PE39599-48](#)



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#### Mechanical Specifications

##### Cable Assembly

Length\*

48 in [121.92 cm]

##### Cable

Cable Type

RG187

Impedance

75 Ohms

Inner Conductor Type

Stranded

Inner Conductor Material and Plating

Copper Clad Steel, Silver

Dielectric Type

PTFE

Number of Shields

1

Shield Layer 1

Silver Plated Copper Braid

Jacket Material

PTFE, White

Jacket Diameter

0.11 in [2.79 mm]

#### Connectors

Description	Connector 1	Connector 2
Type	BNC Male	Straight Cut Lead
Impedance	75 Ohms	0 Ohms
Contact Material and Plating	Brass, Gold	
Contact Plating Specification	30 $\mu$ in. minimum	
Dielectric Type	Teflon	
Body Material and Plating	Brass, Nickel	
Body Plating Specification	100 $\mu$ in. minimum	

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

#### Plotted and Other Data

Notes:

- Values at 25°C, sea level.

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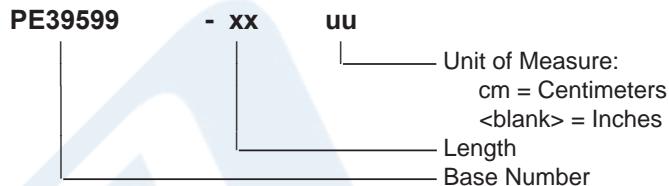
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PE39599-48

#### How to Order

Part Number Configuration:



Example: PE39599-12 = 12 inches long cable  
PE39599-100cm = 100 cm long cable

75 Ohm BNC Male to Unterminated Lead Cable Using 75 Ohm RG187 Coax in 48 Inch 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 BNC Male to Unterminated Lead Cable Using 75 Ohm RG187 Coax in 48 Inch PE39599-48](#)

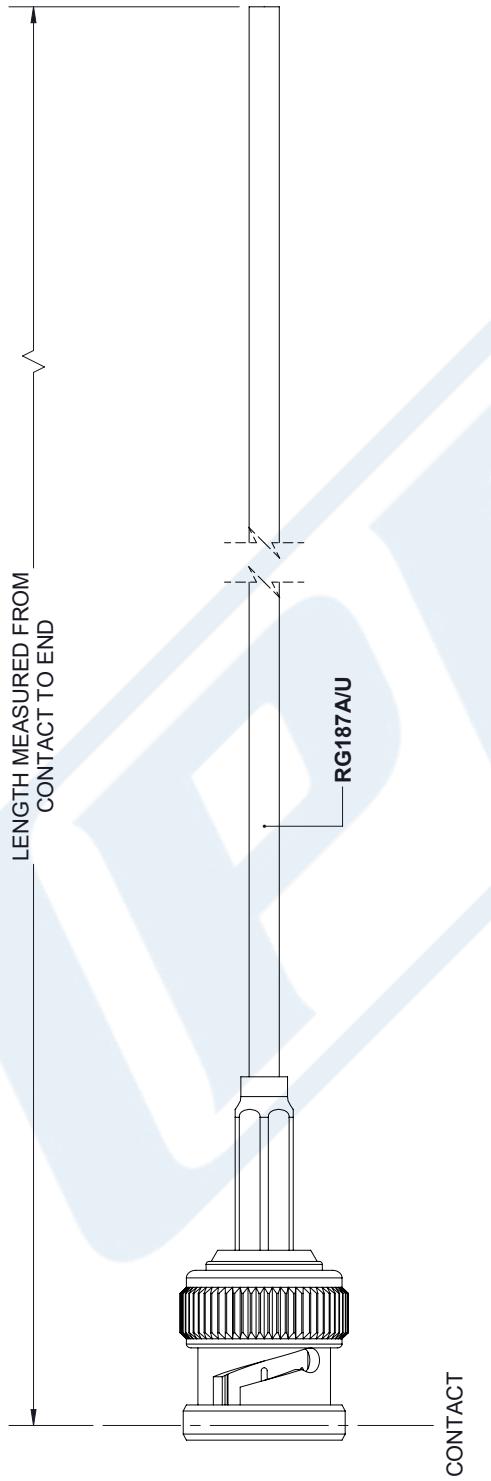
URL: <https://www.pasternack.com/bnc-male-straight-cut-sexless-rg187au-cable-assembly-pe39599-48-p.aspx>

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.

# PE39599-48 CAD Drawing

75 Ohm BNC Male to Unterminated Lead Cable Using 75 Ohm RG187 Coax in 48 Inch

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	3/16/2020	S.ELLIS



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS		THIRD-ANGLE PROJECTION
TOLERANCES:		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION ALL RIGHTS RESERVED.
X = $\pm 2$ [5.08] FRACTIONS XX = $\pm .02$ [.51] $\pm 1/32$ XXX = $\pm .005$ [.13] ANGLES $\pm 1^\circ$		Pasterнак Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.920   1.866.727.8376 Fax: 1.949.261.7451 Website: www.pasterнак.com E-mail: sales@pasterнак.com
CABLE LENGTH (L) TOLERANCES: L $\leq$ 12 [305] = $\pm 1$ [25] / -0 12 [305] $<$ L $\leq$ 60 [1524] = $\pm 2$ [51] / -0 60 [1524] $<$ L $\leq$ 120 [3048] = $\pm 4$ [102] / -0 120 [3048] $<$ L $\leq$ 300 [7620] = $\pm 6$ [152] / -0 300 [7620] $<$ L = $\pm 5\%$ L / -0		SHEET 1 OF 1 SCALE N/A ITEM NO. PE39599 DRAWN BY K. DANG CAGE CODE 53919 SIZE A
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		REV A

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