



BNC Female to BNC Male Right Angle Cable 12 Inch Length Using RG174 Coax

RF Cable Assemblies Technical Data Sheet

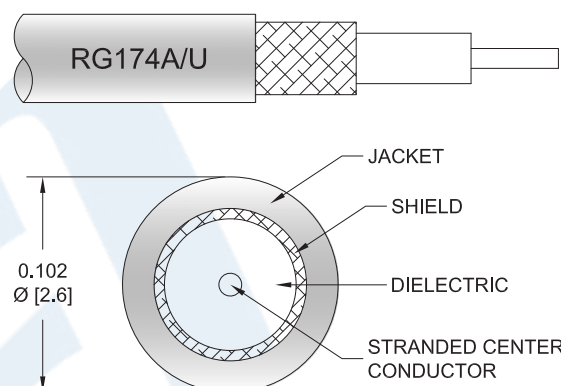
PE3W06649-12

Configuration

- Connector 1: BNC Female
- Connector 2: BNC Male Right Angle
- Cable Type: RG174

Features

- 66% Phase Velocity
- PVC Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W06649-12 BNC female to BNC male right angle 12 inch cable using RG174 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. This Pasternack BNC to BNC cable assembly has a female to male gender configuration with 50 ohm flexible RG174 coax. The right angle BNC interface on the RG174 cable allows for easier connections in tight spaces.

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
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

Mechanical Specifications

Cable Assembly

Length*	12 in [304.8 mm]
Diameter	0.57 in [14.48 mm]

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Female to BNC Male Right Angle Cable 12 Inch Length Using RG174 Coax PE3W06649-12](#)



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Cable

Cable Type	RG174
Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper Clad Steel
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Female	BNC Male Right Angle
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Silver
Contact Plating Specification	30 µin minimum	ASTM-B700
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	ASTM-B689
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		ASTM-B689

Mechanical Specification Notes:

*All cable assemblies have a length tolerance of 1.5% or $\pm 3/8"$, whichever is greater.

Environmental Specifications

Temperature

Operating Range -40 to +80 deg C

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

Plotted and Other Data

Notes:

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PE3W06649-12

How to Order

Part Number Configuration:

PE3W06649

- **xx**

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Unit of Measure:
cm = Centimeters
<blank> = Inches
Length
Base Number

Example: PE3W06649-12 = 12 inches long cable
PE3W06649-100cm = 100 cm long cable

BNC Female to BNC Male Right Angle Cable 12 Inch Length Using RG174 Coax 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: [BNC Female to BNC Male Right Angle Cable 12 Inch Length Using RG174 Coax PE3W06649-12](https://www.pasternack.com/bnc-female-bnc-male-rg174au-cable-assembly-pe3w06649-12-p.aspx)

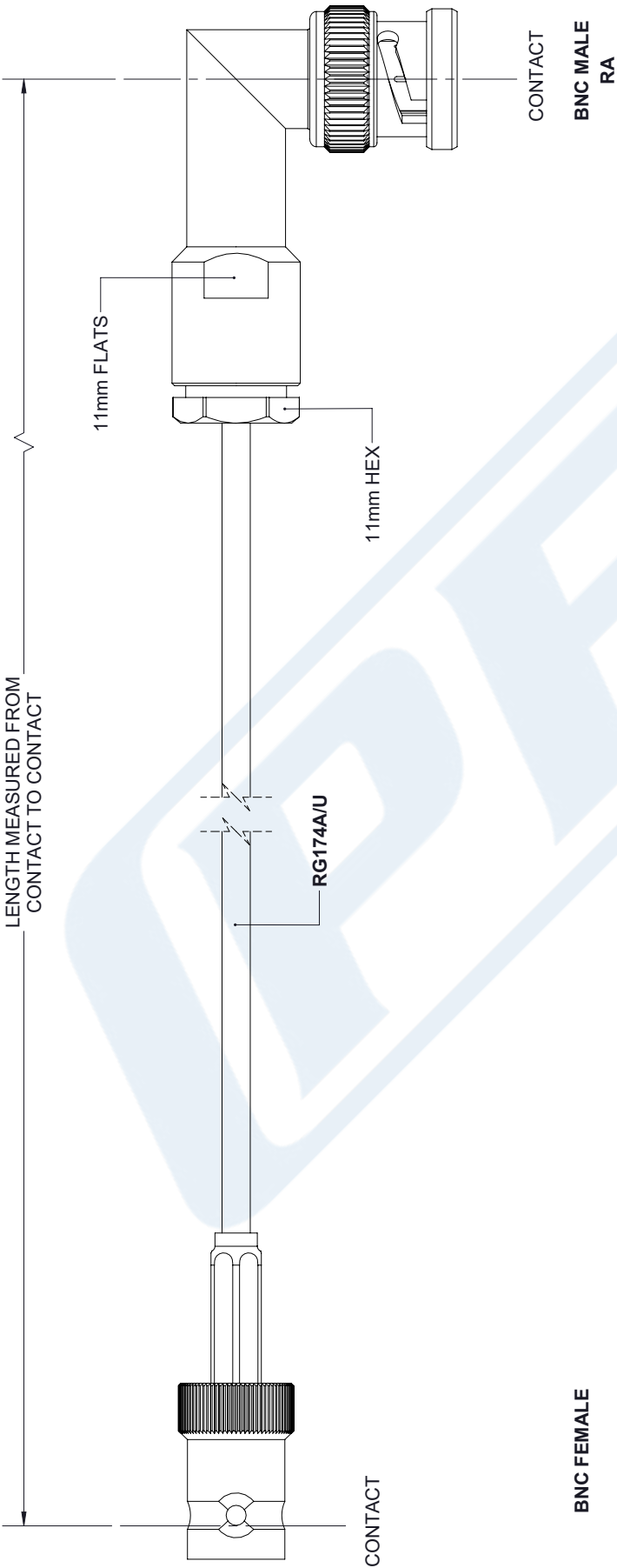
URL: <https://www.pasternack.com/bnc-female-bnc-male-rg174au-cable-assembly-pe3w06649-12-p.aspx>

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.

PE3W06649-12 CAD Drawing

BNC Female to BNC Male Right Angle Cable 12 Inch Length Using RG174 Coax

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/23/19	SELLIS



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TOLERANCES: $X \pm .2$ [5.08] $.XX \pm .01$ [.25] $.XXX \pm .005$ [.13]			FRACTIONS $\pm 1/32$ ANGLES $\pm 1^\circ$			SHEET 1 OF 1	SCALE N/A	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			THIRD-ANGLE PROJECTION			REV A		
						PE3W06649		
SIZE A			CAGE 53919			DRAWN BY K.DANG		

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