



BNC Female to BNC Male Right Angle Cable 36 Inch Length Using RG174 Coax

RF Cable Assemblies Technical Data Sheet

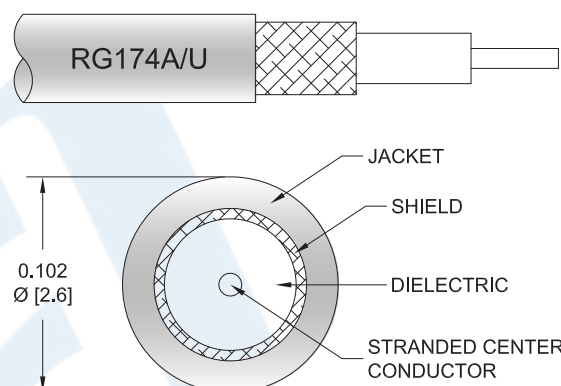
PE3W06649-36

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 PE3W06649-36 BNC female to BNC male right angle 36 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* | 36 in [914.4 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 36 Inch Length Using RG174 Coax PE3W06649-36](#)



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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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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 36 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 36 Inch Length Using RG174 Coax PE3W06649-36](https://www.pasternack.com/bnc-female-bnc-male-rg174au-cable-assembly-pe3w06649-36-p.aspx)

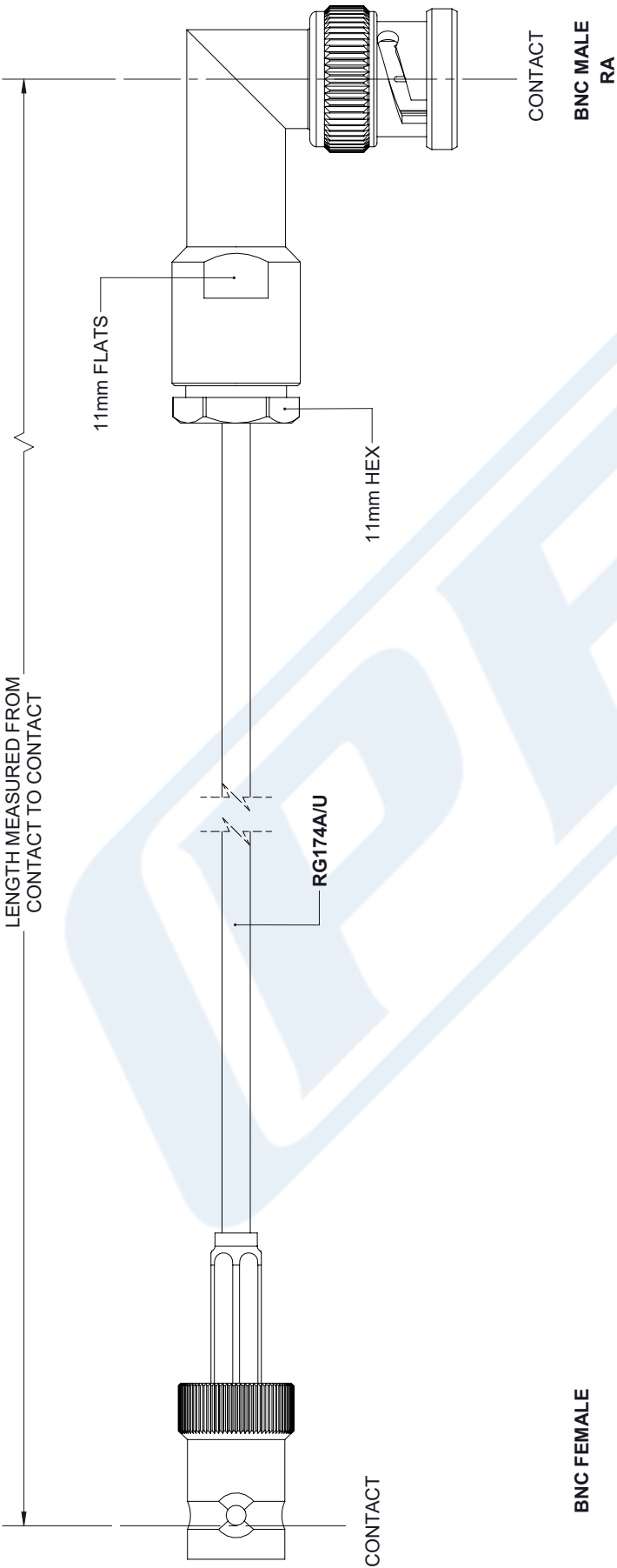
URL: <https://www.pasternack.com/bnc-female-bnc-male-rg174au-cable-assembly-pe3w06649-36-p.aspx>

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PE3W06649-36 CAD Drawing

BNC Female to BNC Male Right Angle Cable 36 Inch Length Using RG174 Coax

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



| | | | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|-----------------|--|--|-----------------------|--|--|-------|--|--|
| UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS | | | <div><div>PE</div><div>PASTERNAK</div><div>an INFINITO brand</div></div> <div>Pasternack Enterprises, Inc. P.O.Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com</div> | | | THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED. | | | | | | | | | | | |
| TOLERANCES: <div><div><div>X±.2</div><div>[5.08]</div></div><div><div>.XX±.01</div><div>[.25]</div></div><div><div>.XXX±.005</div><div>[.13]</div></div></div> <div><div>FRACTIONS</div><div>±1/32</div><div>ANGLES ±1°</div></div> | | | SHEET 1 OF 1 | | | SCALE N/A | | | | | | | | | | | |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | | | SIZE A | | | CAGE 53919 | | | DRAWN BY K.DANG | | | PART NUMBER PE3W06649 | | | REV A | | |
| THIRD-ANGLE PROJECTION | | | | | | | | | | | | | | | | | |

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