



BNC Male to BNC Female Cable 72 Inch  
Length Using RG58 Coax

**RF Cable Assemblies Technical Data Sheet**

**PE3047-72**

**Configuration**

- Connector 1: BNC Male
- Connector 2: BNC Female
- Cable Type: RG58

**Features**

- Max Frequency 4 GHz
- 65.9% Phase Velocity
- PVC (NC) Jacket

**Applications**

- General Purpose
- Laboratory Use

**Description**

Pasternack's PE3047-72 BNC male to BNC female 72 inch cable using RG58 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 male to female gender configuration with 50 ohm flexible RG58 coax. The PE3047-72 BNC male to BNC female cable assembly operates to 4 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Female Cable 72 Inch Length Using RG58 Coax PE3047-72](#)



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**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
Group Delay		□		□
Capacitance		30.8 [101.05]		pF/ft [pF/m]
Inductance		□		□
DC Resistance Inner Conductor		□		□
DC Resistance Outer Conductor		□		□
Operating Voltage (AC)			500	Vrms

**Specifications by Frequency**

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.494	0.645	0.897	1.4	3.2	dB

Electrical Specification Notes:

**Mechanical Specifications**

**Cable Assembly**

Length\* 72 in [182.88 cm]

Weight 0.22 lbs [99.79 g]

**Cable**

Cable Type RG58  
 Impedance 50 Ohms  
 Inner Conductor Type Stranded  
 Inner Conductor Material and Plating Copper, Tin  
 Dielectric Type PE  
 Number of Shields 1  
 Shield Layer 1 Tinned Copper Braid  
 Shield Layer 2  
 Jacket Material PVC (NC), Black  
 Jacket Diameter 0.195 in [4.95 mm]

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**Connectors**

Description	Connector 1	Connector 2
Type	BNC Male	BNC Female
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Outer Conductor Material and Plating		
Outer Conductor Plating Specification		
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum

**Environmental Specifications**

**Temperature**

Operating Range

-40 to +80 deg C

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

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**How to Order**

Part Number Configuration:

PE3047

- xx

uu

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

Example: PE3047-12 = 12 inches long cable  
PE3047-100cm = 100 cm long cable

BNC Male to BNC Female Cable 72 Inch Length Using RG58 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.

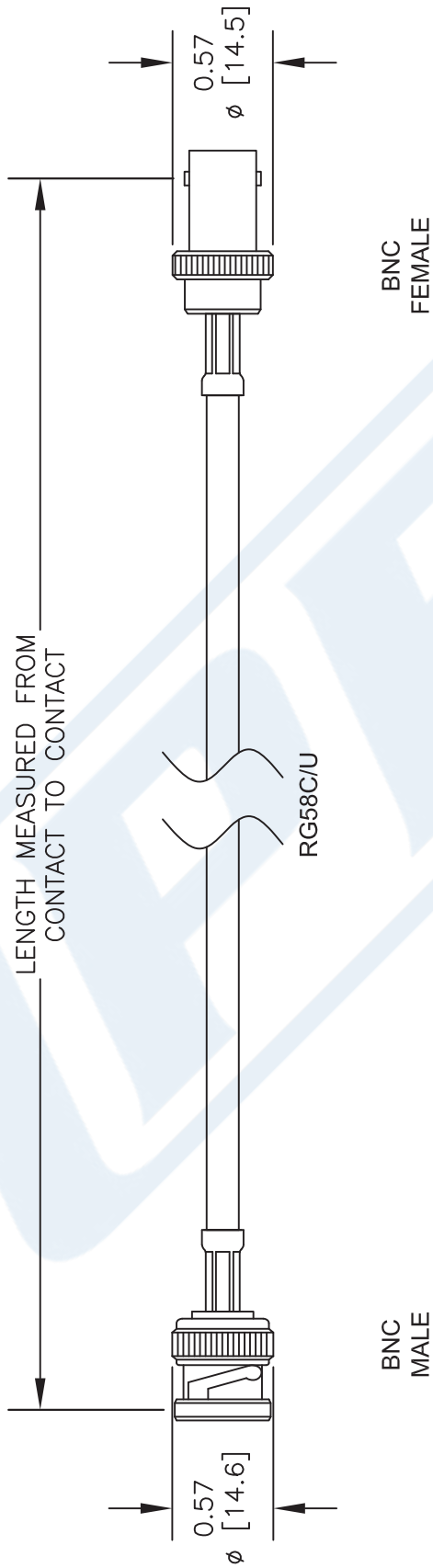
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URL: <https://www.pasternack.com/bnc-male-bnc-female-rg58cu-cable-assembly-pe3047-72-p.aspx>

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.

# PE3047-72 CAD Drawing

BNC Male to BNC Female Cable 72 Inch Length Using RG58 Coax



DWG TITLE

**PE3047**

- 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. LENGTH TOLERANCE IS  $\pm 1.5\%$  OR  $3/8"$ , WHICHEVER IS GREATER.

FSCM NO. 53919

CAD FILE 101615

SCALE N/A

SIZE A

2233



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