



BNC Male to BNC Female Cable 48 Inch
Length Using RG58 Coax

RF Cable Assemblies Technical Data Sheet

PE3047-48

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 PE3047-48 BNC male to BNC female 48 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 PE3047-48 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 48 Inch Length Using RG58 Coax PE3047-48](#)

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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.)	0.396	0.497	0.664	1	2.2	dB

Electrical Specification Notes:

Mechanical Specifications

Cable Assembly

Length*	48 in [121.92 cm]
Weight	0.165 lbs [74.84 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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RF Cable Assemblies Technical Data Sheet

PE3047-48

How to Order

Part Number Configuration:

PE3047

- xx

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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 48 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.

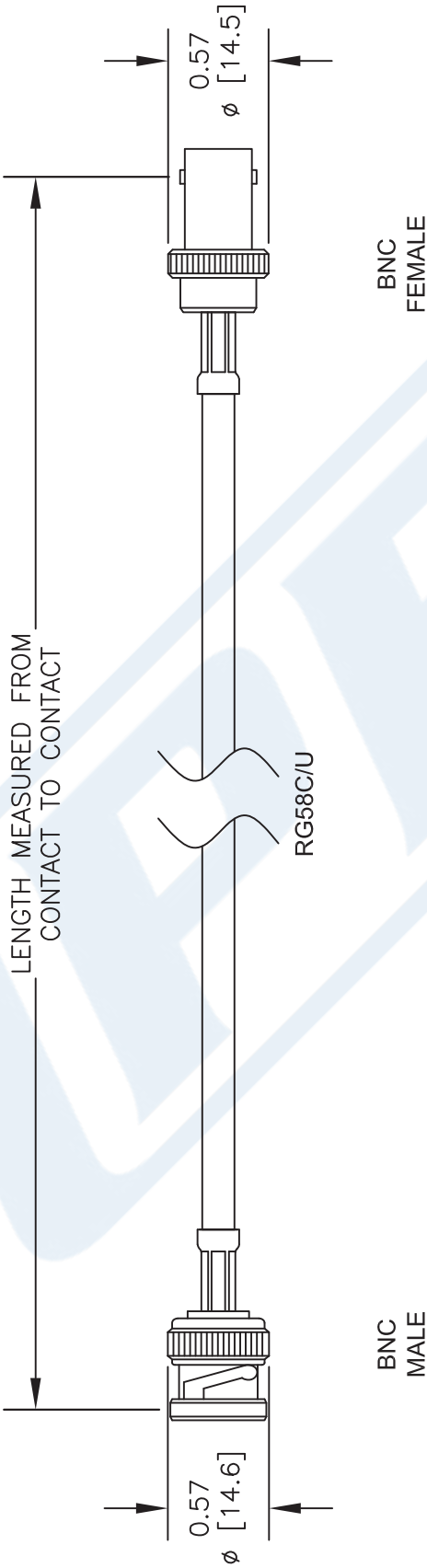
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male to BNC Female Cable 48 Inch Length Using RG58 Coax PE3047-48](#)

URL: <https://www.pasternack.com/bnc-male-bnc-female-rg58cu-cable-assembly-pe3047-48-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.

PE3047-48 CAD Drawing

BNC Male to BNC Female Cable 48 Inch Length Using RG58 Coax



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.

DWG TITLE	PE3047			
	FSCM NO.	53919	CAD FILE	101615
			SCALE	N/A
			SIZE	A
				2233

**PASTERNAK®**
THE ENGINEER'S RF SOURCE

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