



## BNC Plug to BNC Plug using RG58 Coax Cable

### RF Cable Assemblies Technical Data Sheet

**PE3C9856**

#### Configuration

- Connector 1: BNC Plug
- Connector 2: BNC Plug

#### Features

- Max Frequency 4 GHz
- 65.9% Phase Velocity
- VSWR of 1.4:1

#### Applications

- General Purpose
- Laboratory Use
- Military
- Aerospace
- Wireless Communications
- General Purpose Test

#### Description

Pasternack's PE3C9856 BNC plug to BNC plug cable using RG58 is part of our full line of RF components available for same-day shipping. This Pasternack BNC to BNC cable assembly has a plug to plug gender configuration with 50 ohm. The PE3C9856 BNC plug to BNC plug 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.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

#### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.04	0.07	0.11	0.2	0.5	dB/ft
	0.13	0.23	0.36	0.66	1.64	

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Plug to BNC Plug using RG58 Coax Cable PE3C9856](#)



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### Mechanical Specifications

#### Cable Assembly

Weight 0.162 lbs [73.48 g]

#### Cable

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

#### Connectors

Description	Connector 1	Connector 2
Type	BNC Plug Threaded	BNC Plug Threaded
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Bronze, Gold over Copper	Bronze, Gold over Copper
Body Material and Plating	Bronze, Copper-Tin-Zinc Alloy	Bronze, Copper-Tin-Zinc Alloy

**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

**PE3C9856**

### How to Order

Part Number Configuration:

**PE3C9856**

- **xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C9856-12 = 12 inches long cable  
PE3C9856-100cm = 100 cm long cable

BNC Plug to BNC Plug using RG58 Coax Cable 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.

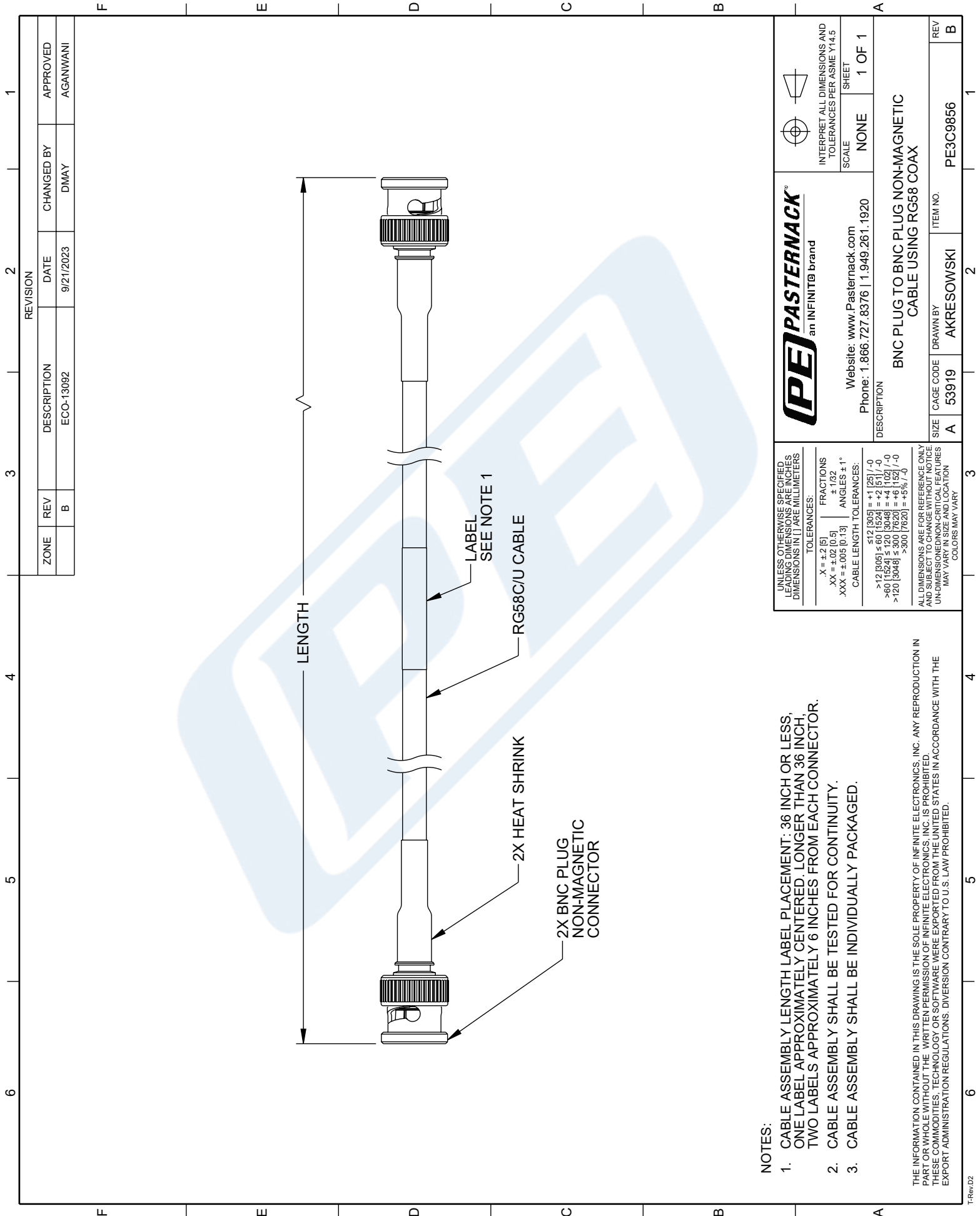
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Plug to BNC Plug using RG58 Coax Cable PE3C9856](#)

URL: <https://www.pasternack.com/bnc-plug-to-bnc-plug-non-magnetic-cable-using-rg58-pe3c9856-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.

# PE3C9856 CAD Drawing

## BNC Plug to BNC Plug using RG58 Coax Cable



**NOTES:**

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED. LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE INCHES, DIMENSIONS IN [ ] ARE MILLIMETERS	
TOLERANCES:	
.X = ±.2 [5]	FRACTIONS
.XX = ±.02 [0.5]	± 1/32
.XXX = ±.005 [0.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
<12 [305]	±.1 [25] / -0
>12 [305] ≤ 60 [1524]	±.2 [5.1] / -0
>60 [1524] ≤ 120 [3048]	±.4 [102] / -0
>120 [3048] ≤ 300 [7620]	±.6 [152] / -0
>300 [7620]	±.8 [203] / -0
ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE UNLESS OTHERWISE SPECIFIED. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY.	

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Website: <a href="http://www.Pasternack.com">www.Pasternack.com</a> Phone: 1.866.727.8376   1.949.261.1920		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5
DESCRIPTION <b>BNC PLUG TO BNC PLUG NON-MAGNETIC CABLE USING RG58 COAX</b>		SCALE NONE
CAGE CODE A 53919		SHEET 1 OF 1
DRAWN BY AKRESOWSKI		REV B
ITEM NO. PE3C9856		