



RF Cable Assemblies Technical Data Sheet

PE3W08823-36

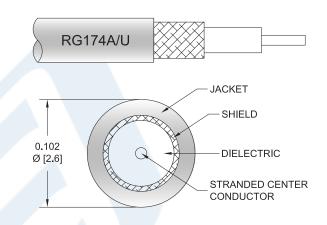
Configuration

Connector 1: BNC MaleConnector 2: SMA Female

Cable Type: RG174

Features

- Max Frequency 1 GHz
- 66% Phase Velocity
- PVC Jacket



Applications

General Purpose

· Laboratory Use

Description

Pasternack's PE3W08823-36 BNC male to SMA female 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 SMA cable assembly has a male to female gender configuration with 50 ohm flexible RG174 coax. The PE3W08823-36 BNC male to SMA female cable assembly operates to 1 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 SMA Female Cable 36 Inch Length Using RG174 Coax PE3W08823-36

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 Phone: (868) 727-8376 or (949) 261-1920 • Fax: (949) 261-7451

Sales@Pasternack.com . Techsupport@Pasternack.com





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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
Velocity of Propagation		66		%
Capacitance		31.08 [101.97]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	50	100	250	500	1,000	MHz
Insertion Loss (Typ.)	0.33	0.45	0.61	0.83	1.15	dB

Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax cable and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

Mechanical Specifications

Cable Assembly

Length* 36 in [914.4 mm]
Diameter 0.57 in [14.48 mm]

Cable

Cable TypeRG174Impedance50 OhmsInner Conductor TypeStrandedInner Conductor Material and PlatingCopper Clad SteelDielectric TypePENumber of Shields1

Shield Layer 1 Tinned Copper Braid
Jacket Material PVC, Black
Jacket Diameter 0.11 in [2.79 mm]

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Connectors

Description	Connector 1	Connector 2 SMA Female	
Туре	BNC Male		
Specification	MIL-STD-348A	MIL-STD-348	
Impedance	50 Ohms	50 Ohms	
Mating Cycles	500		
Contact Material and Plating	Brass, Gold	Gold	
Contact Plating Specification	30 µin minimum	MIL-G-45204	
Dielectric Type	PTFE	PTFE	
Body Material and Plating	Brass, Nickel	Brass, Nickel	
Body Plating Specification	100 μin minimum	QQ-N-290	
Coupling Nut Material and Plating	Brass, Nickel		

-40 to +80 deg C

Environmental Specifications

Temperature

Operating Range

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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How to Order



Example: PE3W08823-12 = 12 inches long cable PE3W08823-100cm = 100 cm long cable

BNC Male to SMA Female 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.

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URL: https://www.pasternack.com/bnc-male-sma-female-rg174au-cable-assembly-pe3w08823-36-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.

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PE3W08823-36 CAD Drawing
BNC Male to SMA Female Cable 36 Inch Length Using RG174 Coax

