



SMA Male to BNC Male Cable Using RG174 Coax

RF Cable Assemblies Technical Data Sheet

PE3C3328

Configuration

- Connector 1: SMA Male
- Connector 2: BNC Male
- Cable Type: RG174

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1,000	MHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		31.1 [102.03]		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.)	0.042	0.084	0.13	0.21	0.32	dB/m
	0.14	0.28	0.43	0.69	1.05	dB/ft

Electrical Specification Notes:

Insertion Loss does not include the loss of connectors. Insertion Loss is estimated as .1dB X SQRT (Frequency GHz) per connector.

Mechanical Specifications

Cable Assembly

Diameter 0.57 in [14.48 mm]

Cable

Cable Type RG174
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PE (LD)
Number of Shields 1

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to BNC Male Cable Using RG174 Coax PE3C3328](#)



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Shield Layer 1
Jacket Material
Jacket Diameter

Tinned Copper Braid
PVC, Black
0.11 in [2.79 mm]

Connectors

Description	Connector 1	Connector 2
Type	SMA Male	BNC Male
Specification	MIL-STD-348A	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	50µ in. minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100µ in. minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100µ in. minimum
Hex Size	5/16 inch	
Torque	3 in-lbs [0.34 Nm]	

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:

PE3C3328

- **xx**

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

Example: PE3C3328-12 = 12 inches long cable
PE3C3328-100cm = 100 cm long cable

SMA Male to BNC Male Cable 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.

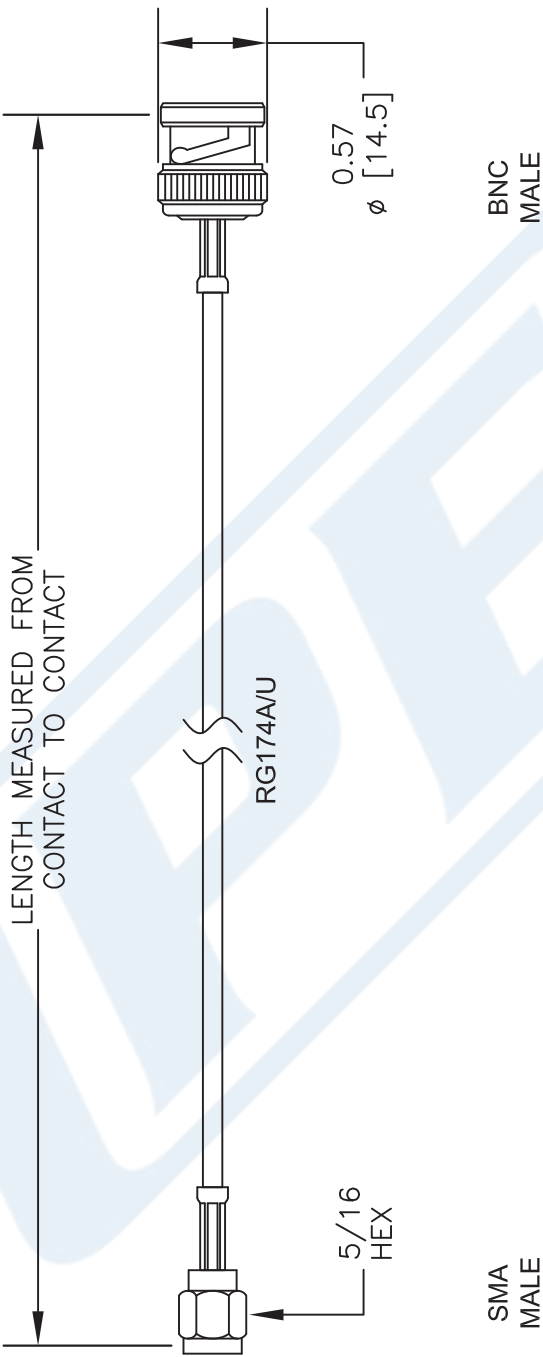
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [SMA Male to BNC Male Cable Using RG174 Coax PE3C3328](https://www.pasternack.com/sma-male-bnc-male-rg174au-cable-assembly-pe3c3328-p.aspx)

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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.

PE3C3328 CAD Drawing

SMA Male to BNC Male Cable Using RG174 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		FSCM NO. 53919		CAD FILE 080816		SCALE N/A	SIZE A	2233
PE3C3328								

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