

BNC Male Right Angle to SMA Male Cable Using RG188 Coax



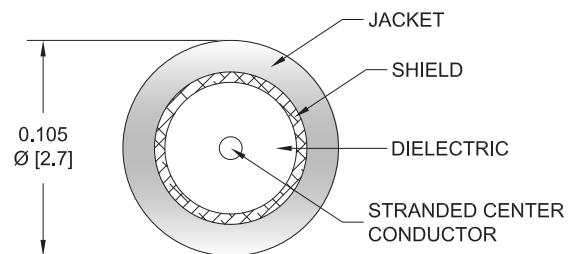
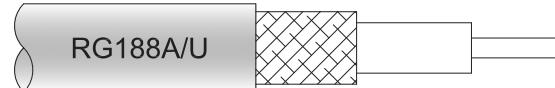
PE3W03667

Configuration

- Connector 1: BNC Male Right Angle
- Connector 2: SMA Male
- Cable Type: RG188
- Coax Flex Type: Flexible

Features

- Max Frequency 2 GHz
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3W03667 BNC male right angle to SMA male cable using RG188 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 male gender configuration with 50 ohm flexible RG188 coax. The PE3W03667 BNC male to SMA male cable assembly operates to 2 GHz. The right angle BNC interface on the RG188 cable allows for easier connections in tight spaces.

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		2	GHz
VSWR			1.4:1	

Specifications by Frequency

BNC Male Right Angle to SMA Male Cable Using RG188 Coax



PE3W03667

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	50	100	250	500	2000	MHz	
PE3W03667	Custom Lengths Available	Insertion Loss (Typ.)	0.025	0.05	0.125	0.25	1	dB/ft	
			0.09	0.17	0.42	0.83	3.29	dB/m	
PE3W03667-12	12 inch	Insertion Loss (Typ.)	0.33	0.35	0.43	0.55	1.3	dB	0.073
PE3W03667-24	24 inch	Insertion Loss (Typ.)	0.35	0.4	0.55	0.8	2.3	dB	0.084
PE3W03667-36	36 inch	Insertion Loss (Typ.)	0.38	0.45	0.68	1.05	3.3	dB	0.094
PE3W03667-48	48 inch	Insertion Loss (Typ.)	0.4	0.5	0.8	1.3	4.3	dB	0.104
PE3W03667-72	72 inch	Insertion Loss (Typ.)	0.45	0.6	1.05	1.8	6.3	dB	0.124

The insertion loss data for the base model does not include loss due to the connectors. Each length includes insertion loss due to the connectors.

Loss due to Connector 1: 0.2 dB
Loss due to Connector 2: 0.1 dB
Base Weight: 0.073 pounds
Additional Weight per Inch: 0.00084 pounds

Mechanical Specifications

Cable Assembly

Weight 0.073 lbs [33.11 g]

Cable

Cable Type RG188
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel, Silver
Dielectric Type PTFE
Number of Shields 1
Shield Layer 1 Silver Plated Copper Braid
Jacket Material PTFE, White
Jacket Diameter 0.11 in [2.79 mm]

BNC Male Right Angle to SMA Male Cable Using RG188 Coax



PE3W03667

Connectors

Description	Connector 1	Connector 2
Type	BNC Male Right Angle	SMA Male
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 μ in minimum	
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Gold
Body Plating Specification	100 μ in minimum	
Coupling Nut Material and Plating	Brass, Nickel	Brass, Gold
Coupling Nut Plating Specification	100 μ in minimum	
Hex Size		5/16 in
Torque		5 in-lbs 0.57 Nm

Environmental Specifications

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

Plotted and Other Data

Notes:

BNC Male Right Angle to SMA Male Cable Using RG188 Coax



PE3W03667

Typical Performance Data

How to Order

Part Number Configuration:

PE3W03667 - xx uu

Unit of Measure:
cm = Centimeters
<blank> = Inches

Length

Base Number

Example: PE3W03667-12 = 12 inches long cable
PE3W03667-100cm = 100 cm long cable

BNC Male Right Angle to SMA Male Cable Using RG188 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.

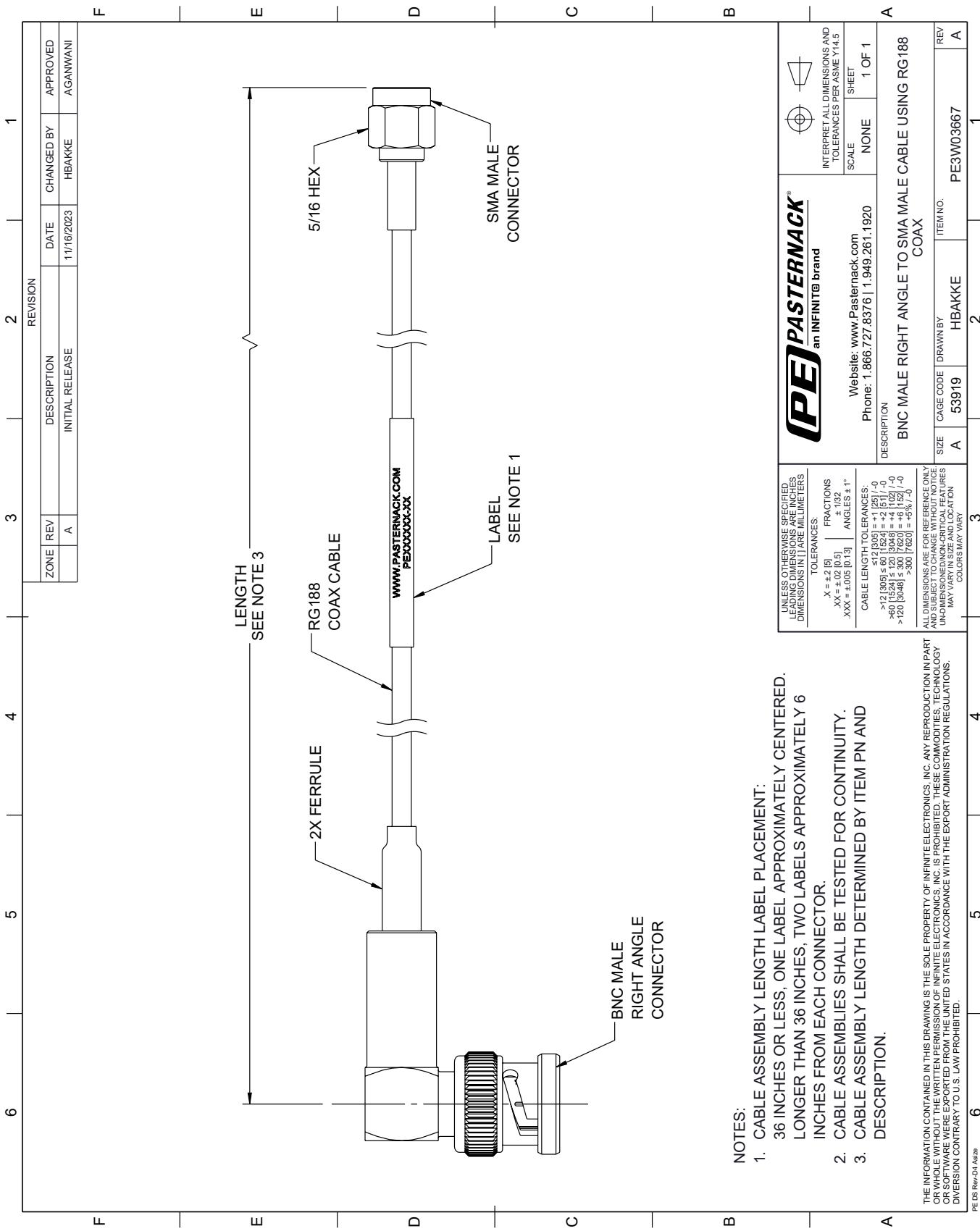
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [BNC Male Right Angle to SMA Male Cable Using RG188 Coax PE3W03667](#)

URL: <https://www.pasternack.com/bnc-male-right-angle-to-sma-male-cable-using-rg188-pe3w03667-p.aspx>

The information contained within 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 Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE3W03667 CAD Drawing

BNC Male Right Angle to SMA Male Cable Using RG188 Coax



NOTES:

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT:
36 INCHES OR LESS, ONE LABEL APPROXIMATELY CENTERED.
LONGER THAN 36 INCHES, TWO LABELS APPROXIMATELY 6
INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLIES SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND
DESCRIPTION

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF INFINITE ELECTRONICS, INC. ANY REPRODUCTION IN PART OR WHOLE, WITHOUT THE WRITTEN PERMISSION OF INFINITE ELECTRONICS, INC. IS PROHIBITED. THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO US LAW PROHIBITED.