

SMA Female to BNC Male Cable Using RG188 Coax



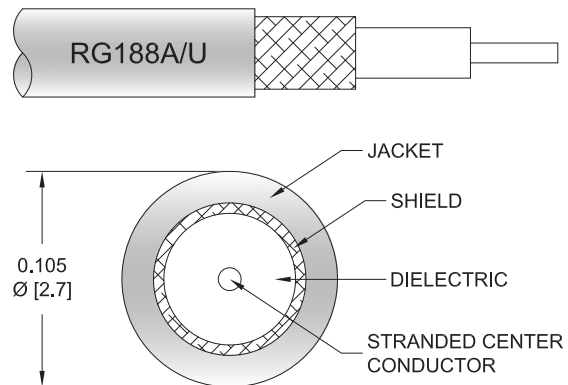
PE3C3430

Configuration

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

Features

- Max Frequency 3 GHz
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

Pasternack's PE3C3430 SMA female to BNC 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 SMA to BNC cable assembly has a female to male gender configuration with 50 ohm flexible RG188 coax. The PE3C3430 SMA female to BNC male cable assembly operates to 3 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		3	GHz
VSWR			1.5:1	

Specifications by Frequency

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Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
			Frequency		100	250	500	1000	
PE3C3430	Custom Lengths Available	Insertion Loss (Typ.)	0.05	0.13	0.25	0.5	1.5	dB/ft	
			0.17	0.42	0.83	1.65	4.93	dB/m	
PE3C3430-12	12 inch	Insertion Loss (Typ.)	0.25	0.33	0.45	0.7	1.7	dB	0.044
PE3C3430-24	24 inch	Insertion Loss (Typ.)	0.3	0.45	0.7	1.2	3.2	dB	0.055
PE3C3430-36	36 inch	Insertion Loss (Typ.)	0.35	0.58	0.95	1.7	4.7	dB	0.065
PE3C3430-48	48 inch	Insertion Loss (Typ.)	0.4	0.7	1.2	2.2	6.2	dB	0.075
PE3C3430-72	72 inch	Insertion Loss (Typ.)	0.5	0.95	1.7	3.2	9.2	dB	0.095

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:	0.1 dB
Loss due to Connector 2:	0.1 dB
Base Weight:	0.044 pounds
Additional Weight per Inch:	0.00084 pounds

Mechanical Specifications

Cable Assembly

Width/Diameter	0.5 in [12.7 mm]
Weight	0.044 lbs [19.96 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]

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Connectors

Description	Connector 1	Connector 2
Type	SMA Female	BNC Male
Specification	MIL-STD-348	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Mating Cycles	100	
Contact Material and Plating	Beryllium Copper, Gold	Brass, Gold
Contact Plating Specification	ASTM-B488	50μ in. minimum
Dielectric Type	PTFE	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	ASTM-B689	100μ in. minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100μ in. minimum

Environmental Specifications

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

Plotted and Other Data

Notes:

Values at 25°C, sea level.

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PE3C3430

Typical Performance Data

How to Order

Part Number Configuration:

PE3C3430

- **xx**

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Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C3430-12 = 12 inches long cable
PE3C3430-100cm = 100 cm long cable

SMA Female to BNC 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: [SMA Female to BNC Male Cable Using RG188 Coax PE3C3430](#)

URL: <https://www.pasternack.com/sma-female-bnc-male-rg188au-cable-assembly-pe3c3430-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.

PE3C3430 CAD Drawing

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