

## MMCX Plug Right Angle to BNC Male Cable Using RG188 Coax

### PE3C3415

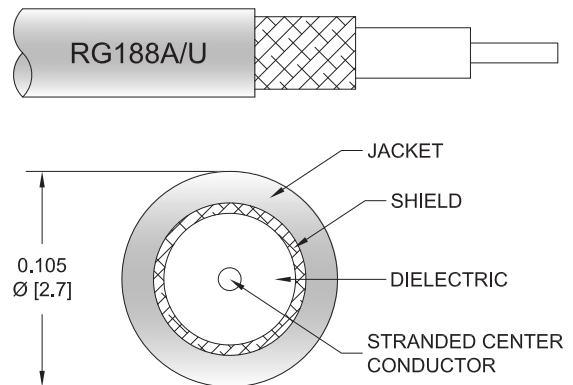


#### Configuration

- Connector 1: MMCX Plug Right Angle
- 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 PE3C3415 MMCX plug right angle 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 MMCX to BNC cable assembly has a plug to male gender configuration with 50 ohm flexible RG188 coax. The PE3C3415 MMCX plug to BNC male cable assembly operates to 3 GHz. The right angle MMCX 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		3	GHz
VSWR			1.4:1	

#### Specifications by Frequency

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### PE3C3415

Part Number	Length	Description	F1	F2	F3	F4	F5	Units	Weight (lbs)
		Frequency	100	250	500	1000	3000	MHz	
PE3C3415	Custom Lengths Available	Insertion Loss (Typ.)	0.05	0.125	0.25	0.5	1.5	dB/ft	
			0.17	0.42	0.83	1.65	4.93	dB/m	
PE3C3415-12	12 inch	Insertion Loss (Typ.)	0.35	0.43	0.55	0.8	1.8	dB	0.044
PE3C3415-24	24 inch	Insertion Loss (Typ.)	0.4	0.55	0.8	1.3	3.3	dB	0.055
PE3C3415-36	36 inch	Insertion Loss (Typ.)	0.45	0.68	1.05	1.8	4.8	dB	0.065
PE3C3415-48	48 inch	Insertion Loss (Typ.)	0.5	0.8	1.3	2.3	6.3	dB	0.075
PE3C3415-72	72 inch	Insertion Loss (Typ.)	0.6	1.05	1.8	3.3	9.3	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:	0.2 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

Weight	0.044 lbs [19.96 g]
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### 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	MMCX Plug Right Angle	BNC Male
Specification	BS EN 122340	MIL-STD-348A
Impedance	50 Ohms	50 Ohms
Configuration	Right Angle	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	50µ in. minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Gold	Brass, Nickel
Body Plating Specification	3 µin minimum	100µ in. minimum
Coupling Nut Material and Plating		Brass, Nickel
Coupling Nut Plating Specification		100µ in. minimum

#### Environmental Specifications

Operating Range Temperature -55 to +155 deg C

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

#### Plotted and Other Data

Notes:  
Values at 25°C, sea level.

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### PE3C3415

#### Typical Performance Data

#### How to Order

Part Number Configuration:

**PE3C3415**

**- xx**

**uu**

Unit of Measure:

cm = Centimeters

<blank> = Inches

Length

Base Number

Example: PE3C3415-12 = 12 inches long cable  
PE3C3415-100cm = 100 cm long cable

MMCX Plug Right Angle 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: [MMCX Plug Right Angle to BNC Male Cable Using RG188 Coax PE3C3415](#)

URL: <https://www.pasternack.com/mmcx-plug-right-angle-to-bnc-male-cable-using-rg188-pe3c3415-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.

PE3C3415 CAD Drawing

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