

BNC Male to BNC Male Cable RG-188 Coax



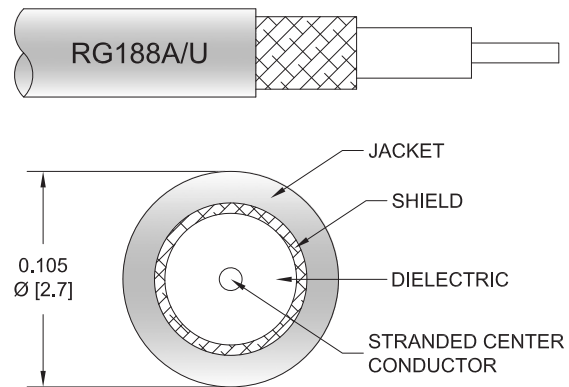
FMCA9997

Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: RG-188
- Coax Flex Type: Flexible

Features

- Max Frequency 3 GHz
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

The BNC male to BNC male cable using RG188 coax, part number FMCA9997, from Fairview Microwave is in-stock and ships same day. This Fairview BNC to BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG-188 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMCA9997 BNC male 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 RF cable assembly value added services including connector orientation or clocking, heat shrink booting and labeling are also available. 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	
Operating Voltage (AC)			335	Vrms

Mechanical Specifications

Cable Assembly

Weight 0.054 lbs [24.49 g]

Cable

Cable Type RG-188
Impedance 50 Ohms
Inner Conductor Type Stranded
Inner Conductor Material and Plating Copper Clad Steel, Silver

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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]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30 µin minimum	30 µin minimum
Dielectric Type	PTFE	PTFE
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100 µin minimum	100 µin minimum
Coupling Nut Material and Plating	Brass, Nickel	Brass, Nickel
Coupling Nut Plating Specification	100 µin minimum	100 µin minimum

Environmental Specifications

Operating Range Temperature	-55 to +165 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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FMCA9997

Typical Performance Data

How to Order

Part Number Configuration:

FMCA9997

- xx

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

Example: FMCA9997-12 = 12 inches long cable
FMCA9997-100cm = 100 cm long cable

BNC Male to BNC Male Cable RG-188 Coax from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

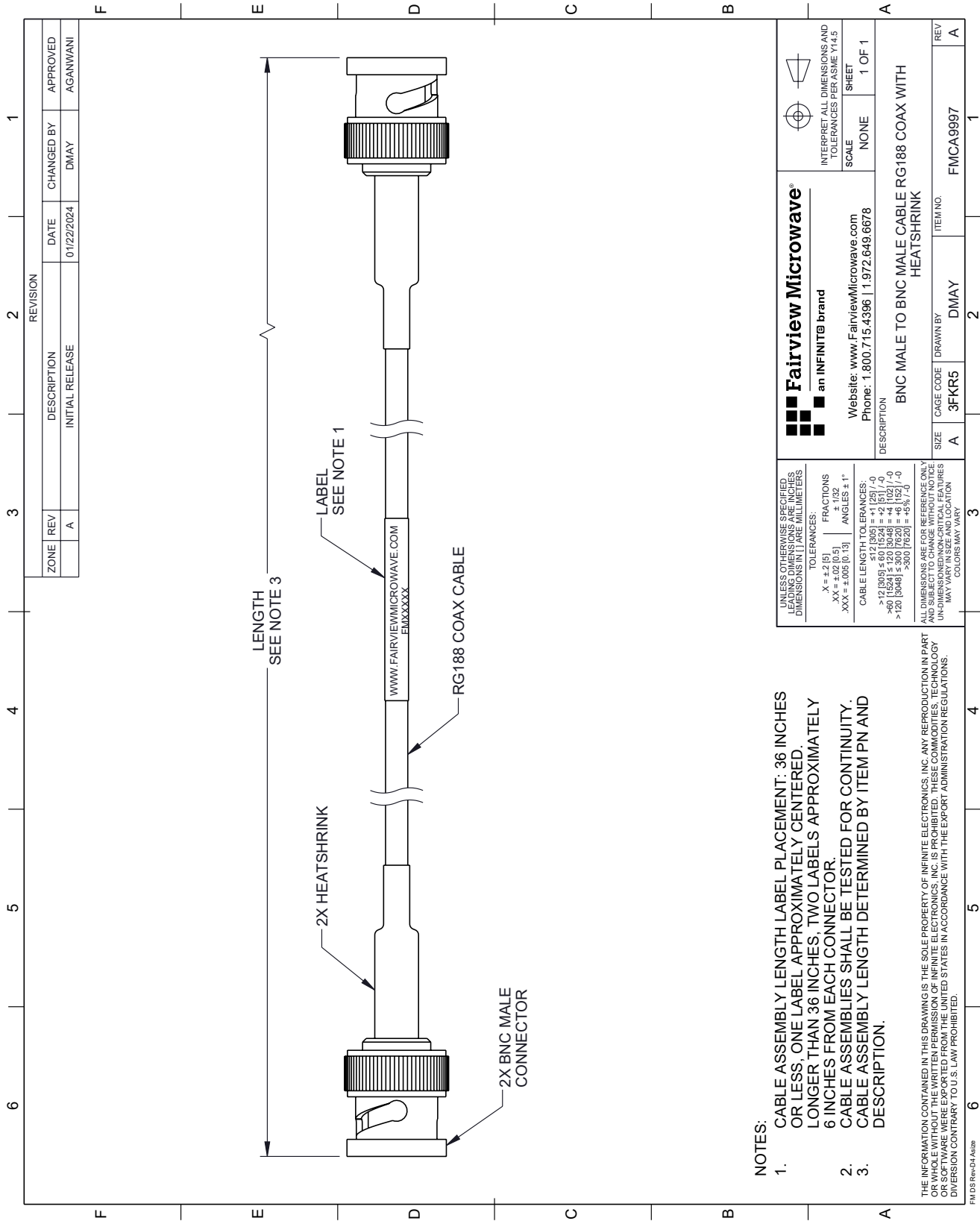
For additional information on this product, please click the following link: [BNC Male to BNC Male Cable RG-188 Coax FMCA9997](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-to-bnc-male-cable-rg-188-coax-fmca9997-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

FMCA9997 CAD Drawing

BNC Male to BNC Male Cable RG-188 Coax



ZONE		REVISION		CHANGED BY		APPROVED	
A	REV	INITIAL RELEASE	DATE	DMAY	AGANWANI		
			01/22/2024				

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.

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UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN PARENS ARE MILLIMETERS	UNLESS OTHERWISE SPECIFIED, DIMENSIONS IN PARENS ARE MILLIMETERS
TOLERANCES:	TOLERANCES:
.X = ±.2 (51)	FRACTIONS ± 1/32
.XX = ±.02 (0.51)	ANGLES ± 1°
.XXX = ±.005 (0.13)	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	CABLE LENGTH TOLERANCES:
>12 (305) ≤ 60 (1524) = ±.125 (-0)	>12 (305) ≤ 60 (1524) = ±.125 (-0)
>60 (1524) ≤ 20 (508) = ±.100 (-0)	>60 (1524) ≤ 20 (508) = ±.100 (-0)
>20 (508) ≤ 300 (7620) = ±.5% (-0)	>20 (508) ≤ 300 (7620) = ±.5% (-0)

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Phone: 1.800.715.4396 | 1.972.649.6678

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

SCALE NONE SHEET 1 OF 1

DESCRIPTION: BNC MALE TO BNC MALE CABLE RG188 COAX WITH HEATSHRINK

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	DMAY	FMCA9997	A