

## BNC Plug to BNC Plug using RG58 Coax Cable

The BNC plug to BNC plug cable using RG58, part number FMCA9856, from Fairview Microwave is in-stock and ships same day. This Fairview BNC to BNC cable assembly has a plug to plug gender configuration with 50 ohm. The FMCA9856 BNC plug to BNC plug cable assembly operates to 4 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	Min	Typ	Max	Units
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Velocity of Propagation		65.9		%
Capacitance		29.4 [96.46]		pF/ft [pF/m]

### Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.25	0.5	1	4	GHz
Insertion Loss (Typ.)	0.04	0.07	0.11	0.2	0.5	dB/ft
	0.13	0.23	0.36	0.66	1.64	dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.2 dB per connector

### Mechanical Specifications

#### Cable Assembly

##### Cable

Impedance	50 Ohms
Inner Conductor Type	Stranded
Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid



### Configuration:

- BNC Plug
- BNC Plug
- 

### Features:

- Max Frequency 4 GHz
- 65.9% Phase Velocity
- VSWR of 1.4:1

### Applications:

- General Purpose
- Laboratory Use
- Military
- Aerospace
- Wireless Communications
- General Purpose Test

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**Connectors**

Description	Connector 1	Connector 2
Type	BNC Plug Threaded	BNC Plug Threaded
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Bronze, Gold over Copper	Bronze, Gold over Copper
Body Material & Plating	Bronze, Copper-Tin-Zinc Alloy	Bronze, Copper-Tin-Zinc Alloy

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

**Plotted and Other Data**

Notes:

- Values at 25°C, sea level.

**How to Order**

Part Number Configuration:

**FMCA9856 - xx uu**

 cm = Centimeters  
 <blank> = Inches

Length

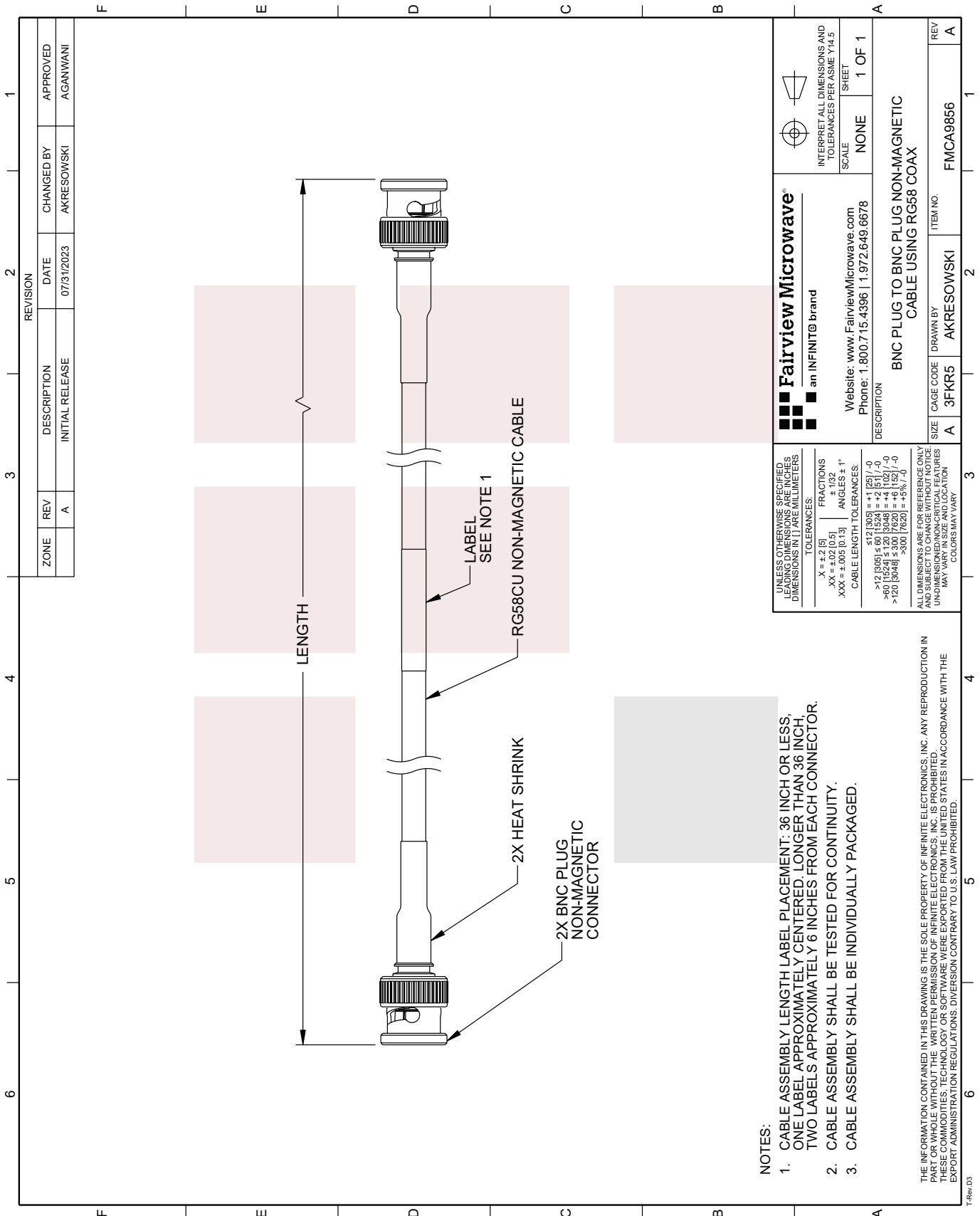
 Example: FMCA9856-12 = 12 inches long cable  
 FMCA9856-100cm = 100 cm long cable

BNC Plug to BNC Plug using RG58 Coax Cable from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [BNC Plug to BNC Plug using RG58 Coax Cable FMCA9856](#)

URL: <https://www.fairviewmicrowave.com/non-magnetic-bnc-plug-to-bnc-plug-cable-rg58-coax-fmca9856-p.aspx>

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. 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 any liability arising out of the use of any part or documentation.



**NOTES:**

1. CABLE ASSEMBLY LENGTH LABEL PLACEMENT: 36 INCH OR LESS, ONE LABEL APPROXIMATELY CENTERED, LONGER THAN 36 INCH, TWO LABELS APPROXIMATELY 6 INCHES FROM EACH CONNECTOR.
2. CABLE ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
3. CABLE ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED.

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UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES. DIMENSIONS IN [ ] ARE MILLIMETERS.	
TOLERANCES:	FRACTIONS
.X = ±.2 [5]	±.132
.XX = ±.02 [0.5]	±.132
.XXX = ±.005 [0.13]	ANGLES ± 1°
CABLE LENGTH TOLERANCES:	
≤12 [305]	±.125 [-0]
>12 [305] ≤ 60 [1524]	±.25 [-0]
>60 [1524] ≤ 120 [3048]	±.375 [-0]
>120 [3048] ≤ 300 [7620]	±.625 [-0]
>300 [7620]	±.875 [-0]
ALL DIMENSIONS ARE FOR REFERENCES ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE. UNDIMENSIONED CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.	

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Website: <a href="http://www.FairviewMicrowave.com">www.FairviewMicrowave.com</a> Phone: 1.800.715.4396   1.972.649.6678

	INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5 SHEET
SCALE: NONE	1 OF 1

DESCRIPTION BNC PLUG TO BNC PLUG NON-MAGNETIC CABLE USING RG58 COAX	
SIZE A	CAGE CODE 3FKR5
DRAWN BY AKRESOWSKI	ITEM NO. FMCA9856
REV A	REV A