

BNC Male (Plug) to BNC Male (Plug) Cable RG-58 Coax Up To 4 GHz in 48 Inch

FMC0808058-48



Configuration

- Connector 1: BNC Male
- Connector 2: BNC Male
- Cable Type: RG-58
- Coax Flex Type: Flexible

Features

- Max Frequency 4 GHz
- 66% Phase Velocity
- PVC Jacket

Applications

- General Purpose
- Laboratory Use

Description

The BNC male to BNC male 48 inch cable using RG-58 coax, part number FMC0808058-48, 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-58 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The FMC0808058-48 BNC male to BNC male 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	Minimum	Typical	Maximum	Units
Frequency Range	DC		4	GHz
VSWR			1.4:1	
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency	1	2	3	4		GHz
Insertion Loss (Typ.)	0.6	0.879	1.12	1.36		dB

Mechanical Specifications

Cable Assembly

Width/Diameter

0.571 in [14.5 mm]

Weight

0.15058 lbs [68.3 g]

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Cable

Cable Type	RG-58
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Tin
Dielectric Type	PE
Number of Shields	1
Shield Layer 1	Tinned Copper Braid
Jacket Material	PVC, Black
Jacket Diameter	0.195 in [4.95 mm]

Connectors

Description	Connector 1	Connector 2
Type	BNC Male	BNC Male
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Color	Silver	
Contact Material and Plating	Brass, Gold	Brass, Gold
Contact Plating Specification	30μ in. minimum	30μ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Brass, Nickel
Body Plating Specification	100μ in. minimum	100μ in. minimum

Environmental Specifications

Operating Range Temperature	-40 to +80 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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Typical Performance Data

How to Order

Part Number Configuration: **FMC0808058** **- xx** **uu**

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

Length

Base Number

Example: FMC0808058-12 = 12 inches long cable
FMC0808058-100cm = 100 cm long cable

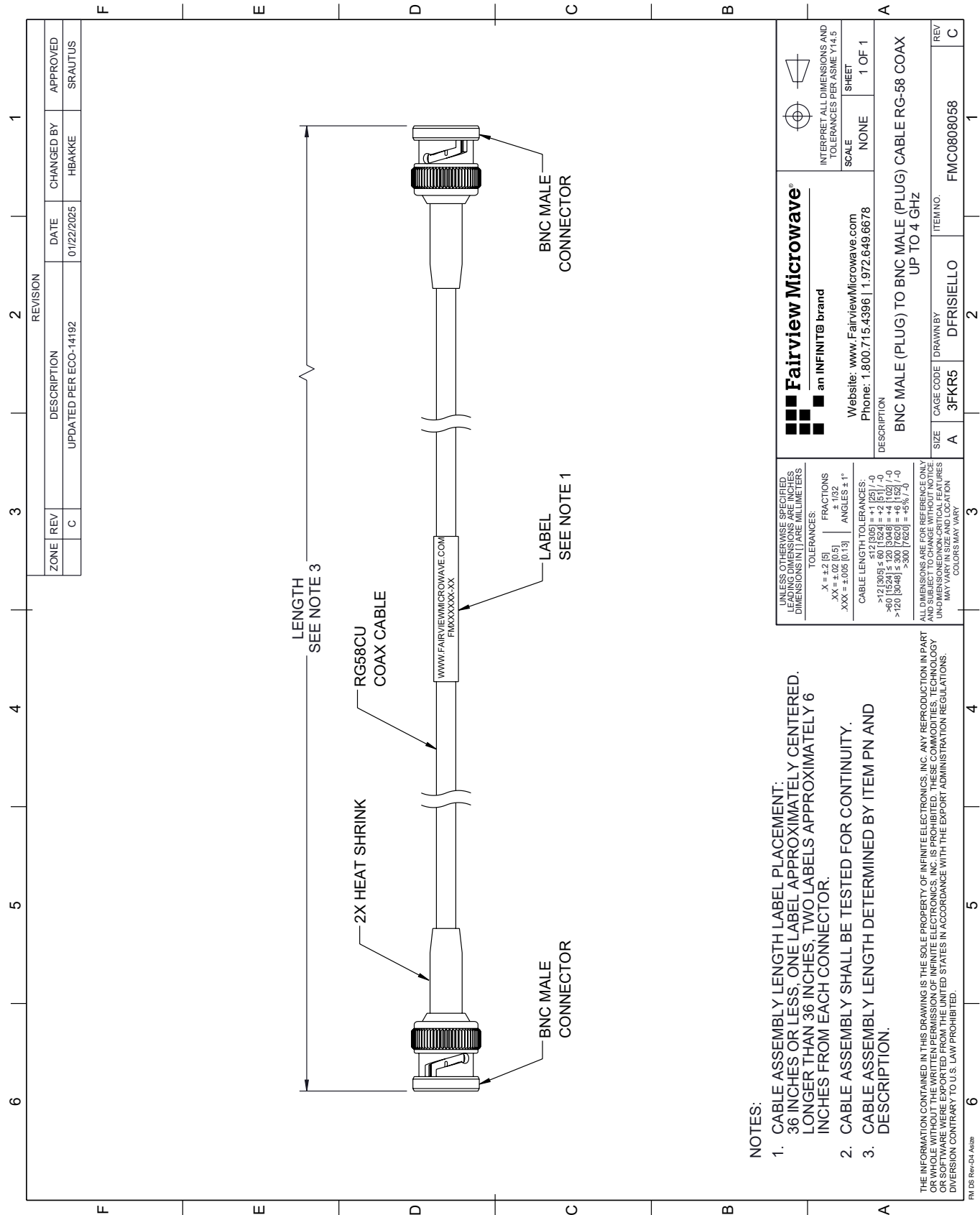
BNC Male (Plug) to BNC Male (Plug) Cable RG-58 Coax Up To 4 GHz in 48 Inch from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [BNC Male \(Plug\) to BNC Male \(Plug\) Cable RG-58 Coax Up To 4 GHz in 48 Inch FMC0808058-48](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-bnc-male-cable-rg58cu-coax-fmc0808058-48-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.

FMC0808058-48 CAD Drawing
BNC Male (Plug) to BNC Male (Plug) Cable RG-58 Coax Up To 4 GHz in 48 Inch



- 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 ASSEMBLY SHALL BE TESTED FOR CONTINUITY.
- 3. CABLE ASSEMBLY LENGTH DETERMINED BY ITEM PN AND DESCRIPTION.

UNLESS OTHERWISE SPECIFIED, LEADING DIMENSIONS ARE IN INCHES, TRAILING DIMENSIONS ARE IN MILLIMETERS		Fairview Microwave® an INFINITI® brand		INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5	
TOLERANCES:		Website: www.FairviewMicrowave.com Phone: 1.800.715.4396 1.972.649.6678		SCALE NONE	
X = ±.2 [5] .XX = ±.02 [0.5] .XXX = ±.005 [0.13]		FRACTIONS ± 1/32 ANGLES ± 1°		SHEET 1 OF 1	
CABLE LENGTH TOLERANCES:		DESCRIPTION BNC MALE (PLUG) TO BNC MALE (PLUG) CABLE RG-58 COAX UP TO 4 GHz			
>12 [305] ≤ 60 [1524] = ±.1 [25] / -0					
>60 [1524] ≤ 120 [3048] = ±.1 [25] / -0					
>120 [3048] ≤ 300 [7620] = ±.1 [25] / -0					
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.		SIZE A		CAGE CODE 3FKR5	
		DRAWN BY DFRISIELLO		ITEM NO. FMC0808058	
				REV C	