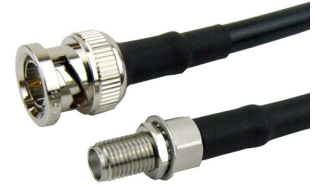


BNC Male to SMA Female Bulkhead Cable RG58C/U Coax in 48 Inch



FMC0812058-48

Configuration

- Connector 1: BNC Male
- Connector 2: SMA Female Bulkhead
- 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 SMA female bulkhead 48 inch cable using RG-58 coax, part number FMC0812058-48, from Fairview Microwave is in-stock and ships same day. This Fairview BNC to SMA cable assembly has a male to female 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 FMC0812058-48 BNC male to SMA female cable assembly operates to 4 GHz. Our RF cable assembly with SMA bulkhead interface allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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
Velocity of Propagation		66		%
Capacitance		30.8 [101.05]		pF/ft [pF/m]

Mechanical Specifications

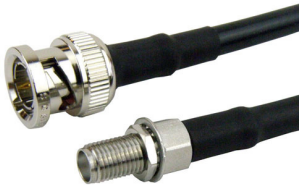
Cable Assembly

Length	48 in [121.92 cm]
Weight	0.11134 lbs [50.5 g]

Cable

Cable Type	RG-58
Impedance	50 Ohms
Inner Conductor Type	Solid
Inner Conductor Material and Plating	Copper, Tin

BNC Male to SMA Female Bulkhead
Cable RG58C/U Coax in 48 Inch



FMC0812058-48

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	SMA Female Bulkhead
Impedance	50 Ohms	50 Ohms
Configuration	Straight	Straight
Contact Material and Plating	Brass, Gold	Beryllium Copper, Gold
Contact Plating Specification	30µ in. minimum	50µ in. minimum
Dielectric Type	Teflon	Teflon
Body Material and Plating	Brass, Nickel	Passivated Stainless Steel
Body Plating Specification	100µ in. minimum	
Hex Size		5/16 inch

Environmental Specifications

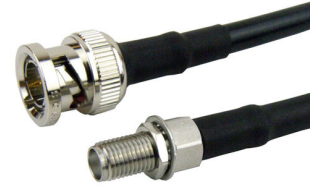
Operating Range Temperature	-65 to +165 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

BNC Male to SMA Female Bulkhead Cable RG58C/U Coax in 48 Inch



FMC0812058-48

Typical Performance Data

How to Order

Part Number Configuration: **FMC0812058** **- xx** **uu**

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

Length

Base Number

Example: FMC0812058-12 = 12 inches long cable
FMC0812058-100cm = 100 cm long cable

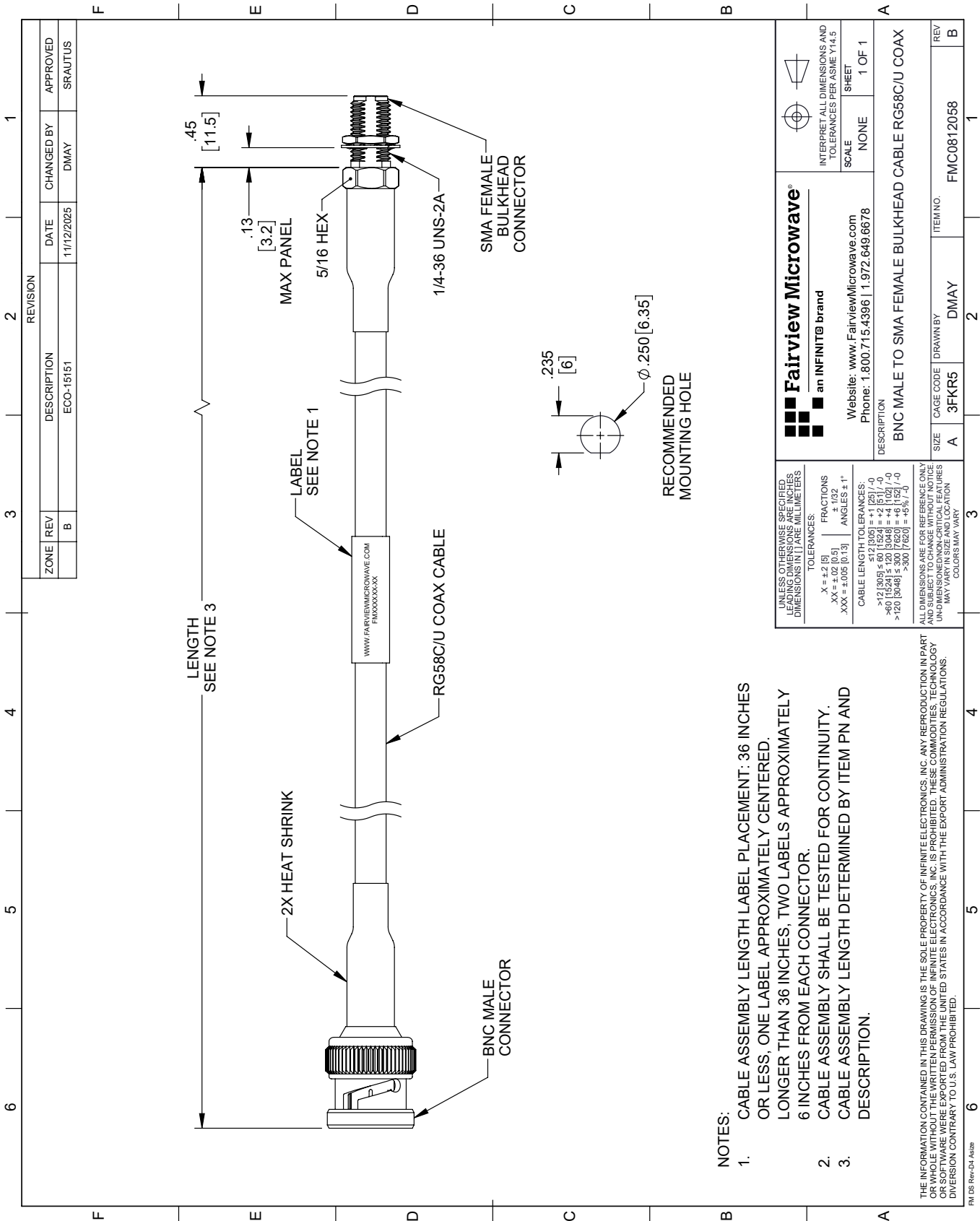
BNC Male to SMA Female Bulkhead Cable RG58C/U Coax in 48 Inch from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [BNC Male to SMA Female Bulkhead Cable RG58C/U Coax in 48 Inch FMC0812058-48](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-sma-female-cable-rg58cu-coax-fmc0812058-48-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.

FMC0812058-48 CAD Drawing
BNC Male to SMA Female Bulkhead Cable RG58C/U Coax in 48 Inch



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

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE 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 TO SMA FEMALE BULKHEAD CABLE RG58C/U COAX			
>12 [305] ≤ 60 [1524] = ±.2 [5] / -0		SIZE A		CAGE CODE 3FKR5	
>60 [1524] ≤ 120 [3048] = ±.4 [102] / -0		DRAWN BY DMAY		ITEM NO. FMC0812058	
>120 [3048] ≤ 300 [7620] = ±.5 [12.7] / -0		REV B			
ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. DIMENSIONS IN [] ARE MILLIMETERS. UNDIMENSIONED NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.					

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