

BNC Male to BNC Female Cable RG-188 Coax



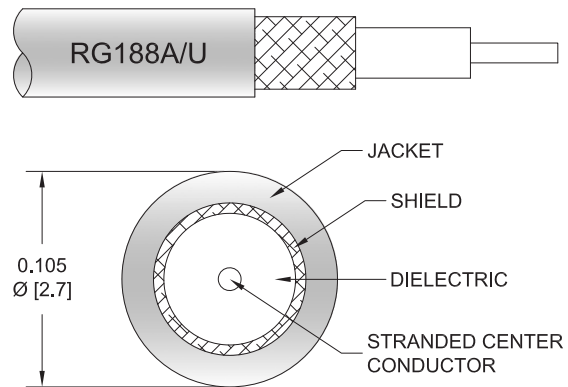
FMCA9998

Configuration

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

Features

- Max Frequency 1 GHz
- PTFE Jacket



Applications

- General Purpose
- Laboratory Use

Description

The BNC male to BNC female cable using RG188 coax, part number FMCA9998, from Fairview Microwave is in-stock and ships same day. This Fairview BNC to BNC cable assembly has a male to female 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 FMCA9998 BNC male to BNC female cable assembly operates to 1 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 | | 1,000 | MHz |
| VSWR | | | 1.4:1 | |
| Operating Voltage (AC) | | | 335 | Vrms |

Mechanical Specifications

Cable Assembly

Weight 0.052 lbs [23.59 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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FMCA9998

| | |
|-------------------|----------------------------|
| 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 Female |
| Specification | | MIL-STD-348A |
| 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 | |
| Coupling Nut Plating Specification | 100 µin minimum | |

Environmental Specifications

| | |
|-----------------------------|-------------------|
| Operating Range Temperature | -55 to +165 deg C |
|-----------------------------|-------------------|

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

Plotted and Other Data

Notes:

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FMCA9998

Typical Performance Data

How to Order

Part Number Configuration:

FMCA9998

- xx

uu

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

Example: FMCA9998-12 = 12 inches long cable
FMCA9998-100cm = 100 cm long cable

BNC Male to BNC Female 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.

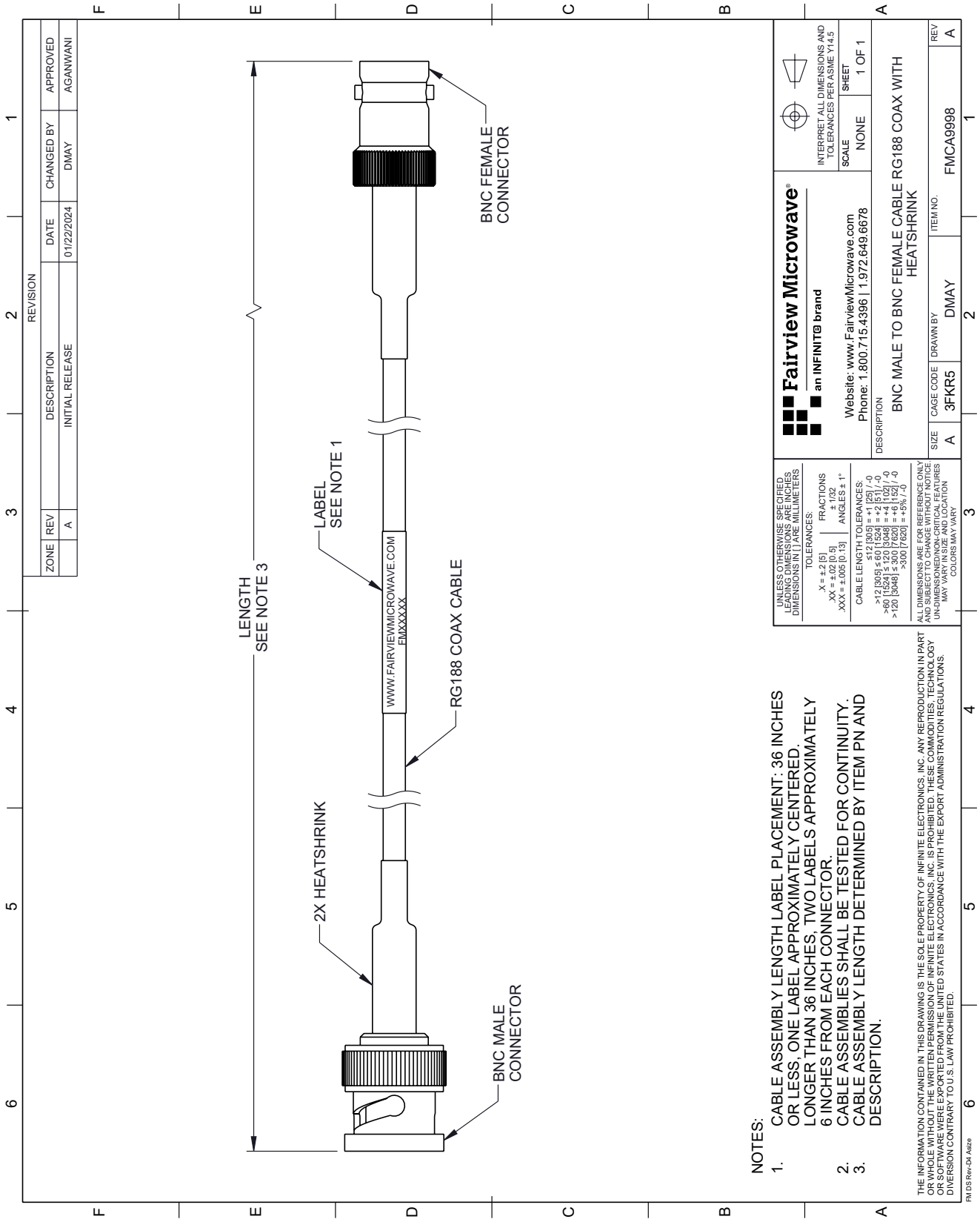
For additional information on this product, please click the following link: [BNC Male to BNC Female Cable RG-188 Coax FMCA9998](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-to-bnc-female-cable-rg-188-coax-fmca9998-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 impliment 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.

FMCA9998 CAD Drawing

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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, ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
 TOLERANCES:
 X = ±.2 (15) FRACTIONS
 XX = ±.02 (0.5) ANGLES ± 1°
 XXX = ±.005 (0.13)
 CABLE LENGTH TOLERANCES:
 >12 (305) ±.60 (1524) = ±.2 (51) / -0
 >60 (1524) ±.12 (3048) = ±.4 (102) / -0
 >120 (3048) ±.30 (762) = ±.5 (12.7) / -0
 ALL DIMENSIONS ARE FOR REFERENCE ONLY. UNDIMENSIONED/NON-CRITICAL FEATURES MAY VARY IN SIZE AND LOCATION. COLORS MAY VARY.

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Website: www.FairviewMicrowave.com
 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 FEMALE CABLE RG188 COAX WITH HEATSHRINK

| SIZE | CAGE CODE | DRAWN BY | ITEM NO. | REV |
|------|-----------|----------|----------|-----|
| A | 3FKR5 | DMAY | FMCA9998 | A |

FM DS Rev-D4 Asize