

## BNC Male to BNC Male Cable Tinned Aluminum RG402 Type .141 Coax in 200 CM

The BNC male to BNC male 200 cm cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2848-200CM, 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 semi-rigid FM-SR141ALTN-STR coax. Fairview Microwave's semi-rigid RF cable assemblies are ideal for high performance applications and can be formed, using proper tooling, to the routing pattern required. The FMCA2848-200CM 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                          | Min | Typ | Max   | Units |
|--------------------------------------|-----|-----|-------|-------|
| Frequency Range                      | DC  |     | 4     | GHz   |
| VSWR                                 |     |     | 1.5:1 |       |
| Dielectric Withstanding Voltage (AC) |     |     | 1,500 | Vrms  |

### Performance by Frequency

| Description           | F1   | F2   | F3   | F4 | F5 | Units |
|-----------------------|------|------|------|----|----|-------|
| Frequency             | 1    | 4    | 4    |    |    | GHz   |
| Insertion Loss (Typ.) | 1.06 | 1.42 | 1.78 |    |    | dB    |

#### Electrical Specification Notes:

The Insertion Loss data above is based on the performance specifications of the coax and connectors used in this assembly. The Insertion Loss includes an estimated insertion loss of 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

|         |                    |
|---------|--------------------|
| Length* | 78.74 in [200 cm]  |
| Weight  | 0.181 lbs [82.1 g] |

#### Cable

|                                      |                           |
|--------------------------------------|---------------------------|
| Cable Type                           | FM-SR141ALTN-STR          |
| Impedance                            | 50 Ohms                   |
| Inner Conductor Type                 | Solid                     |
| Inner Conductor Material and Plating | Copper Clad Steel, Silver |
| Dielectric Type                      | PTFE                      |
| Number of Shields                    | 1                         |
| Shield Layer 1                       | Tinned Aluminum           |
| Jacket Diameter                      | 0.141 in [3.58 mm]        |

|                              |                  |
|------------------------------|------------------|
| One Time Minimum Bend Radius | 0.1 in [2.54 mm] |
|------------------------------|------------------|



### Configuration:

- BNC Male
- BNC Male
- FM-SR141ALTN-STR

### Features:

- Max Frequency 4 GHz

### Applications:

- General Purpose
- Laboratory Use

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## Connectors

| Description                     | Connector 1      | Connector 2      |
|---------------------------------|------------------|------------------|
| Type                            | BNC Male         | BNC Male         |
| Specification                   | MIL-STD-348A     | MIL-STD-348A     |
| Impedance                       | 50 Ohms          | 50 Ohms          |
| Contact Material & Plating      | Brass, Gold      | Brass, Gold      |
| Contact Plating Spec.           | 30μ in. minimum  | 30μ in. minimum  |
| Dielectric Type                 | Teflon           | Teflon           |
| Body Material & Plating         | Brass, Gold      | Brass, Gold      |
| Body Plating Spec.              | 3μ in. minimum   | 3μ in. minimum   |
| Coupling Nut Material & Plating | Brass, Nickel    | Brass, Nickel    |
| Coupling Nut Plating Spec.      | 100μ in. minimum | 100μ in. minimum |

**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:

**FMCA2848 - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

Example: FMCA2848-12 = 12 inches long cable  
 FMCA2848-100cm = 100 cm long cable

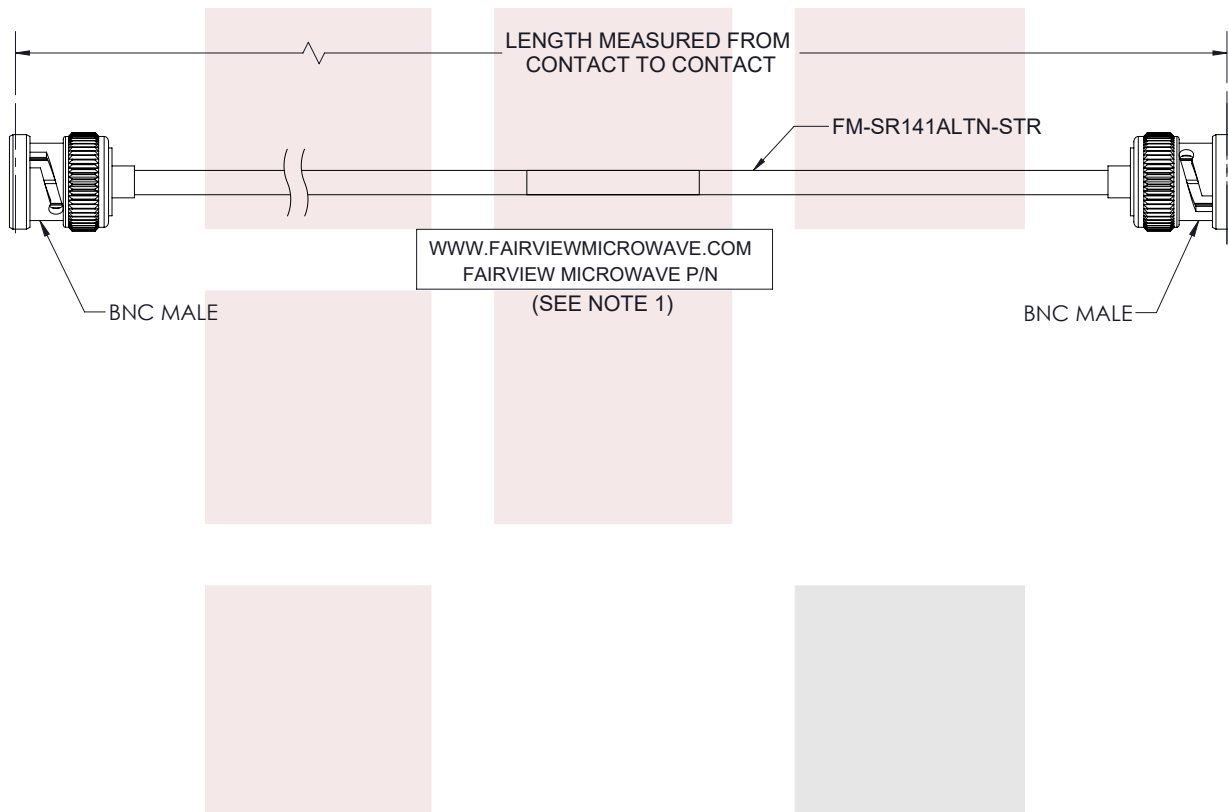
BNC Male to BNC Male Cable Tinned Aluminum RG402 Type .141 Coax in 200 CM from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [BNC Male to BNC Male Cable Tinned Aluminum RG402 Type .141 Coax in 200 CM FMCA2848-200CM](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-to-bnc-male-cable-tinned-aluminum-rg402-type-.141-coax-fmca2848-200cm-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.

| REVISIONS |                 |            |          |
|-----------|-----------------|------------|----------|
| REV.      | DESCRIPTION     | DATE       | APPROVED |
| A         | INITIAL RELEASE | 07/20/2022 | AGANWANI |



**NOTES:**

1. CABLES 36" AND UNDER HAVE 1 LABEL CENTERED.  
CABLES OVER 36" HAVE 2 LABELS, ONE AT EACH END  
6.0" FROM THE FRONT OF THE CONNECTOR.

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|                                                                                      |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                                                                                                                            |  |
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| <p>TITLE</p>                                                                         |                 | <p>TOLERANCES:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   | <p>CABLE LENGTH (L) TOLERANCES:</p>                                                                                        |  |
| <p>BNC Male to BNC Male Cable Tinned Aluminum RG402<br/>Type .141 Coax in 200 CM</p> |                 | <p> <math>.X = \pm .2</math> [ .508 ]    FRACTIONS    <math>L \leq 12</math> [ 305 ] = <math>\pm 1</math> [ 25 ] / -0<br/> <math>.XX = \pm .02</math> [ .51 ]    <math>\pm 1/32</math>    <math>12</math> [ 305 ] &lt; <math>L \leq 60</math> [ 1524 ] = <math>\pm 2</math> [ 51 ] / -0<br/> <math>.XXX = \pm .005</math> [ .13 ]    ANGLES <math>\pm 1^\circ</math>    <math>60</math> [ 1524 ] &lt; <math>L \leq 120</math> [ 3048 ] = <math>\pm 4</math> [ 102 ] / -0<br/> <math>120</math> [ 3048 ] &lt; <math>L \leq 300</math> [ 7620 ] = <math>\pm 6</math> [ 152 ] / -0<br/> <math>300</math> [ 7620 ] &lt; <math>L = +5\%L</math> / -0 </p> |                   | <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> |  |
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| SIZE A                                                                               | CAGE CODE 3FKR5 | DRAWN BY PSRINIVAS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ITEM NO. FMCA2848 | REV A                                                                                                                      |  |

T-Rev.D