

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

The BNC male to BNC male cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2848, 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 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.)	0.13	0.185	0.24			dB/ft
	0.43	0.61	0.79			dB/m

#### Electrical Specification Notes:

Insertion Loss does not include the loss of the connectors. Insertion Loss is estimated as 0.1 dB per connector.

### Mechanical Specifications

#### Cable Assembly

Weight 0.075 lbs [34.02 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

Mechanical Specification Notes:

Maximum length using the straight semi rigid coax is 5ft. For lengths greater than 5ft, please contact us

**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

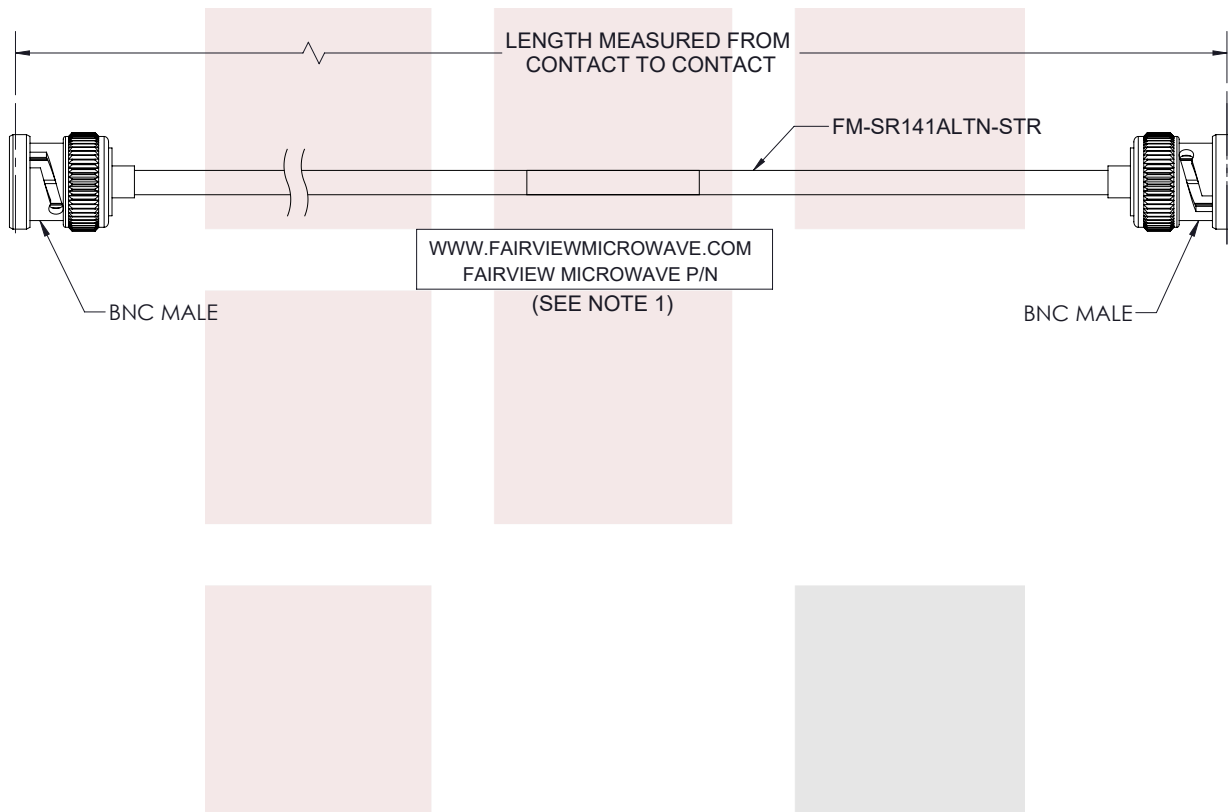
BNC Male to BNC Male Cable Tinned Aluminum RG402 Type .141 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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

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

- 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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<p><b>Fairview Microwave</b> an INFINITE® brand</p>		<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p>		<p>THIRD-ANGLE PROJECTION</p>	
<p>TITLE</p>		<p>TOLERANCES:</p>		<p>CABLE LENGTH (L) TOLERANCES:</p>	
<p>BNC Male to BNC Male Cable Tinned Aluminum RG402 Type .141 Coax</p>		<p> <math>.X = \pm .2</math> [5.08] FRACTIONS  <math>.XX = \pm .02</math> [.51] <math>\pm 1/32</math>  <math>.XXX = \pm .005</math> [.13] ANGLES <math>\pm 1^\circ</math> </p>		<p> <math>L \leq 12</math> [305] = <math>\pm 1</math> [25] / -0  <math>12</math> [305] &lt; <math>L \leq 60</math> [1524] = <math>\pm 2</math> [51] / -0  <math>60</math> [1524] &lt; <math>L \leq 120</math> [3048] = <math>\pm 4</math> [102] / -0  <math>120</math> [3048] &lt; <math>L \leq 300</math> [7620] = <math>\pm 6</math> [152] / -0  <math>300</math> [7620] &lt; <math>L = +5\%L</math> / -0                 </p>	
<p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>		<p>SCALE</p>		<p>SHEET 1 OF 1</p>	
<p>SIZE A</p>		<p>CAGE CODE 3FKR5</p>		<p>DRAWN BY PSRINIVAS</p>	
<p>ITEM NO. FMCA2848</p>		<p>REV A</p>		<p>N/A</p>	

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