

## BNC Male to BNC Female Cable Tinned Aluminum RG402 Type .141 Coax in 50 CM

The BNC male to BNC female cable using Tinned Aluminum RG402 type .141 coax, part number FMCA2849-50CM, 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 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.

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 |
|-------------------------|-----|------|-----|-------|
| Velocity of Propagation |     | 69.5 |     | %     |

### Mechanical Specifications

#### Cable Assembly

|         |                      |
|---------|----------------------|
| Length* | 19.68 in [499.87 mm] |
| Weight  | 0.069 lbs [31.3 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                         |
| Outer Conductor Material and Plating | Tinned Aluminum           |

|                              |                   |
|------------------------------|-------------------|
| Repeated Minimum Bend Radius | 0.15 in [3.81 mm] |
|------------------------------|-------------------|



### Configuration:

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

### Features:

- 69.5% Phase Velocity

### Applications:

- General Purpose
- Laboratory Use

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## Connectors

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

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

## Plotted and Other Data

Notes:

## How to Order

Part Number Configuration:

**FMCA2849 - xx uu**

cm = Centimeters  
 <blank> = Inches  
 Length

Example: FMCA2849-12 = 12 inches long cable  
 FMCA2849-100cm = 100 cm long cable

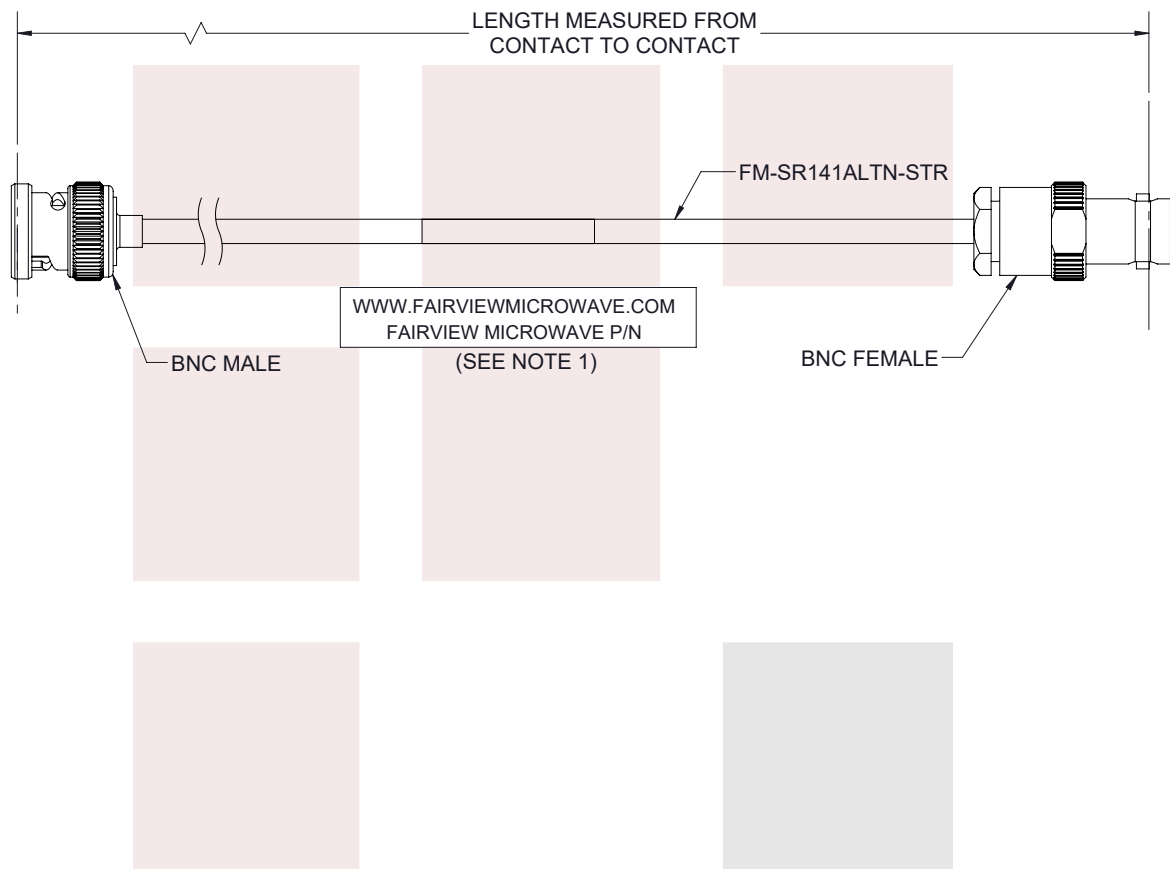
BNC Male to BNC Female Cable Tinned Aluminum RG402 Type .141 Coax in 50 CM from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [BNC Male to BNC Female Cable Tinned Aluminum RG402 Type .141 Coax in 50 CM FMCA2849-50CM](#)

URL: <https://www.fairviewmicrowave.com/bnc-male-to-bnc-female-cable-tinned-aluminum-rg402-type-.141-coax-fm-ca2849-50cm-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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TITLE

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RG402 Type .141 Coax in 50 CM

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES:

.X = ±.2 [ .508] FRACTIONS  
.XX = ±.02 [ .51] ± 1/32  
.XXX = ±.005 [ .13] ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305] = +1 [25] / -0  
12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE

N/A

| SIZE | CAGE CODE | DRAWN BY  | ITEM NO. | REV |
|------|-----------|-----------|----------|-----|
| A    | 3FKR5     | PSRINIVAS | FMCA2849 | A   |

T-Rev.D