

**Reverse Polarity SMA Male to BNC Male Cable in 24 Inch Length Using RG223 Coax**

The RP SMA male to BNC male cable using RG223 coax, part number FMCA2786-24, from Fairview Microwave is in-stock and ships same day. This Fairview reverse polarity SMA to BNC cable assembly has a male to male gender configuration with 50 ohm flexible RG223 coax. Fairview Microwave's flexible RF cable assemblies are ideal for applications where tight bends and continual flexure are required. The double shielding of this Fairview cable assembly provides excellent shielding effectiveness.

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 |     | 66            |     | %            |
| Capacitance             |     | 30.8 [101.05] |     | pF/ft [pF/m] |

**Mechanical Specifications**

**Cable Assembly**

|         |                  |
|---------|------------------|
| Length* | 24 in [609.6 mm] |
| Weight  | 0.097 lbs [44 g] |

**Cable**

|                                      |                            |
|--------------------------------------|----------------------------|
| Cable Type                           | RG223                      |
| Impedance                            | 50 Ohms                    |
| Inner Conductor Type                 | Solid                      |
| Inner Conductor Material and Plating | Copper, Silver             |
| Dielectric Type                      | PE                         |
| Number of Shields                    | 2                          |
| Shield Layer 1                       | Silver Plated Copper Braid |
| Shield Layer 2                       | Silver Plated Copper Braid |
| Jacket Material                      | PVC, Black                 |
| Jacket Diameter                      | 0.21 in [5.33 mm]          |

|                              |                |
|------------------------------|----------------|
| One Time Minimum Bend Radius | 1 in [25.4 mm] |
|------------------------------|----------------|



**Configuration:**

- SMA Male Reverse Polarity
- BNC Male
- RG223

**Features:**

- 66% Phase Velocity
- Double Shielded
- PVC Jacket

**Applications:**

- General Purpose
- Laboratory Use

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

**Connectors**

| Description                     | Connector 1      | Connector 2      |
|---------------------------------|------------------|------------------|
| Type                            | SMA Male         | BNC Male         |
| Polarity                        | Reverse Polarity |                  |
| Specification                   |                  | MIL-STD-348A     |
| Impedance                       | 50 Ohms          | 50 Ohms          |
| Contact Material & Plating      | Gold             | Brass, Gold      |
| Contact Plating Spec.           |                  | 30μ in. minimum  |
| Dielectric Type                 | PTFE             | Teflon           |
| Body Material & Plating         | Brass, Nickel    | Brass, Nickel    |
| Body Plating Spec.              |                  | 100μ in. minimum |
| Coupling Nut Material & Plating | Brass, Nickel    |                  |
| Hex Size                        | 5/16 in.         |                  |
| Torque                          | 5 in-lbs 0.57 Nm |                  |

**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:

**FMCA2786 - xx uu**

cm = Centimeters  
 <blank> = Inches

Length

Example: FMCA2786-12 = 12 inches long cable  
 FMCA2786-100cm = 100 cm long cable

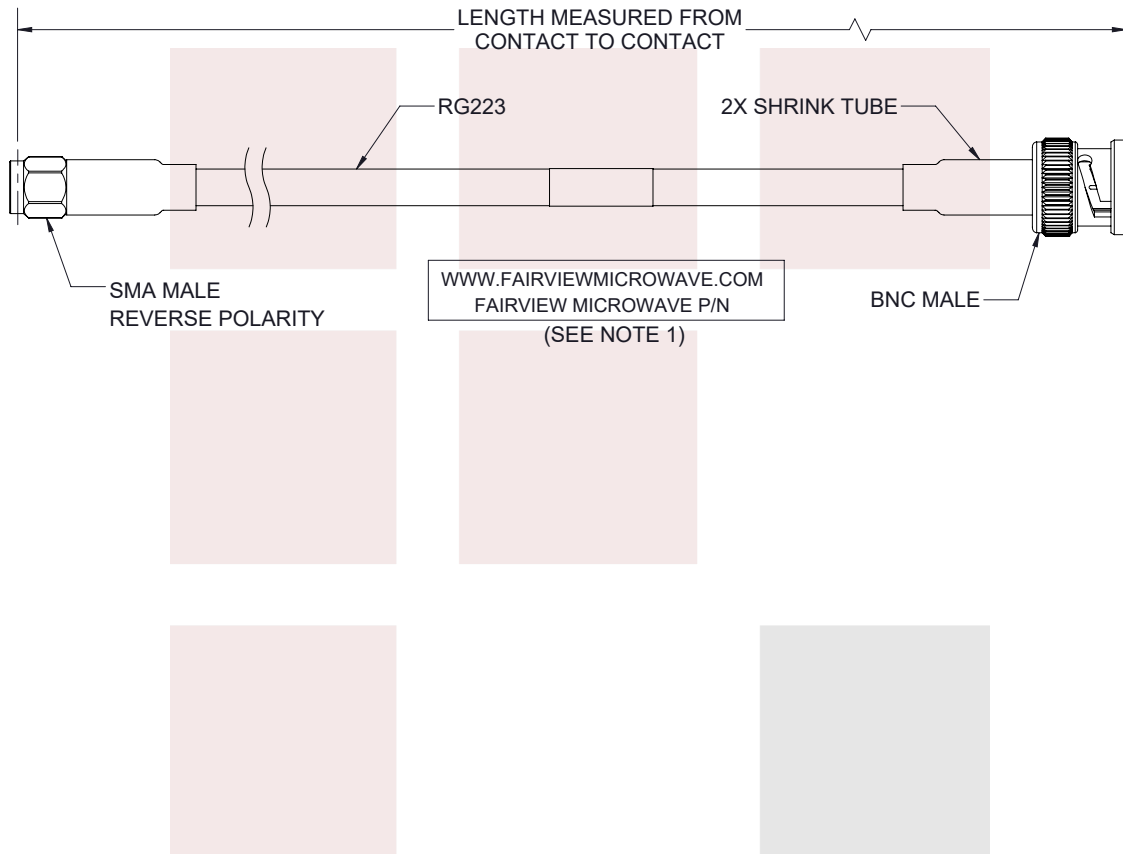
Reverse Polarity SMA Male to BNC Male Cable in 24 Inch Length Using RG223 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [Reverse Polarity SMA Male to BNC Male Cable in 24 Inch Length Using RG223 Coax FMCA2786-24](#)

URL: <https://www.fairviewmicrowave.com/rp-sma-male-to-bnc-male-cable-rg223-coax-in-24-inch-and-rohs-fmca2786-24-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 | 02/21/2022 | 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.

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

|  |   |                        |  |   |
|--|---|------------------------|--|---|
| <p><b>Fairview Microwave</b><br/>an INFINIT® brand</p>   | UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES<br>DIMENSIONS IN [ ] ARE MILLIMETERS |                        | THIRD-ANGLE PROJECTION<br>   |   |
|  | TOLERANCES:   |                        | CABLE LENGTH (L) TOLERANCES:   |   |
| TITLE<br><br>Reverse Polarity SMA Male to BNC Male Cable in 24<br>Inch Length Using RG223 Coax | .X = ±.2 [ .508]  | FRACTIONS<br>± 1/32    | L ≤ 12 [305] = +1 [25] / -0  | THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.<br>SHEET 1 OF 1 |
|  | .XX = ±.02 [ .51]   | ANGLES ± 1°            | 12 [305] < L ≤ 60 [1524] = +2 [51] / -0<br>60 [1524] < L ≤ 120 [3048] = +4 [102] / -0<br>120 [3048] < L ≤ 300 [7620] = +6 [152] / -0<br>300 [7620] < L = +5%L / -0 |   |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.   |   |                        |  | SCALE<br>N/A  |
| SIZE<br>A  | CAGE CODE<br>3FKR5  | DRAWN BY<br>MVEERAPPAN | ITEM NO.<br>FMCA2786   | REV<br>A  |

T-Rev.D