

SMB Plug to BNC Male Cable in 36 Inch Length Using RG223 Coax

The SMB plug to BNC male cable using RG223 coax, part number FMCA2782-36, from Fairview Microwave is in-stock and ships same day. This Fairview SMB to BNC cable assembly has a plug 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* | 36 in [914.4 mm] |
| Weight | 0.121 lbs [54.88 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 | 0.209 in [5.31 mm] |

| | |
|------------------------------|----------------|
| Repeated Minimum Bend Radius | 1 in [25.4 mm] |
|------------------------------|----------------|



Configuration:

- SMB Plug
- 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
sales@fairviewmicrowave.com

Connectors

| Description | Connector 1 | Connector 2 |
|---------------------------------|---------------|-----------------|
| Type | SMB Plug | BNC Male |
| 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, Nickel | Brass, Nickel |
| Body Plating Spec. | | 100 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:

- Values at 25°C, sea level.

How to Order

Part Number Configuration:

FMCA2782 - xx uu

cm = Centimeters
<blank> = Inches

Length

Example: FMCA2782-12 = 12 inches long cable
FMCA2782-100cm = 100 cm long cable

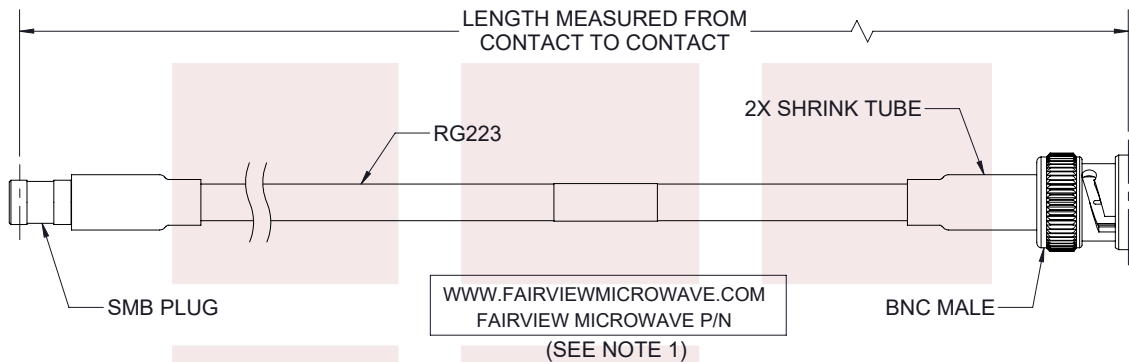
SMB Plug to BNC Male Cable in 36 Inch Length Using RG223 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [SMB Plug to BNC Male Cable in 36 Inch Length Using RG223 Coax FMCA2782-36](#)

URL: <https://www.fairviewmicrowave.com/smb-plug-to-bnc-male-cable-rg223-coax-in-36-inch-and-rohs-fmca2782-36-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.

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| | | | | |
|--|---|---------------------|--|---|
| <p>Fairview Microwave an INFINIT® brand</p> | UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS | | THIRD-ANGLE PROJECTION | |
| | TOLERANCES: | | CABLE LENGTH (L) TOLERANCES: | |
| TITLE SMB Plug to BNC Male Cable in 36 Inch Length Using RG223 Coax | .X = ±.2 [.508] | FRACTIONS ± 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. SHEET 1 OF 1 |
| | .XX = ±.02 [.51] | ANGLES ± 1° | 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 | |
| ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. | | | | SCALE N/A |
| SIZE A | CAGE CODE 3FKR5 | DRAWN BY MVEERAPPAN | ITEM NO. FMCA2782 | REV A |

T-Rev.D