

## N Male to Reverse Polarity SMA Male Cable in 12 Inch Length Using RG223 Coax

The type N male to RP SMA male cable using RG223 coax, part number FMCA2785-12, from Fairview Microwave is in-stock and ships same day. This Fairview type N to reverse polarity SMA 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*	12 in [304.8 mm]
Weight	0.077 lbs [34.93 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]
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### Configuration:

- N Male
- SMA Male Reverse Polarity
- RG223

### Features:

- 66% Phase Velocity
- Double Shielded
- PVC Jacket

### Applications:

- General Purpose
- Laboratory Use

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**Connectors**

Description	Connector 1	Connector 2
Type	N Male	SMA Male
Polarity		Reverse Polarity
Specification	MIL-STD-348A	MIL-STD-348
Impedance	50 Ohms	50 Ohms
Contact Material & Plating	Brass, Gold	Gold
Contact Plating Spec.	30 µin	MIL-G-45204
Dielectric Type	PTFE	PTFE
Body Material & Plating	Brass, Tri-Metal	Brass, Nickel
Body Plating Spec.		QQ-N-290
Coupling Nut Material & Plating	Brass, Tri-Metal	Brass, Nickel
Coupling Nut Plating Spec.		QQ-N-290
Hex Size	18 mm	5/16 inch
Torque	9 in-lbs 1.02 Nm	3 in-lbs 0.34 Nm

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

**Plotted and Other Data**

Notes:

**How to Order**

Part Number Configuration:

**FMCA2785 - xx uu**

 cm = Centimeters  
 <blank> = Inches  
 Length

 Example: FMCA2785-12 = 12 inches long cable  
 FMCA2785-100cm = 100 cm long cable

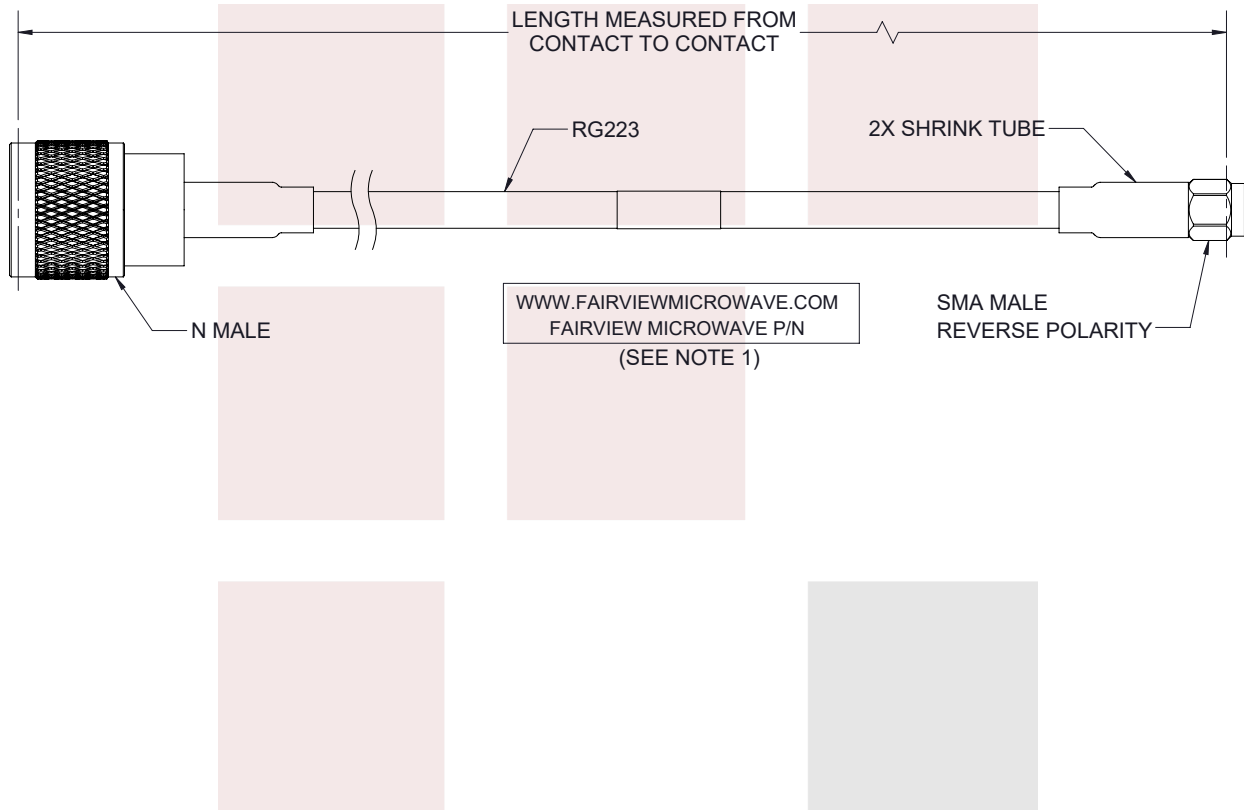
N Male to Reverse Polarity SMA Male Cable in 12 Inch Length Using RG223 Coax from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [N Male to Reverse Polarity SMA Male Cable in 12 Inch Length Using RG223 Coax FMCA2785-12](#)

URL: <https://www.fairviewmicrowave.com/n-male-to-rp-sma-male-cable-rg223-coax-in-12-inch-fmca2785-12-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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	<small>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</small>		<small>THIRD-ANGLE PROJECTION</small> 		
	<small>TOLERANCES:</small> .X = ±.2 [ .51] FRACTIONS ± 1/32 .XX = ±.02 [ .51] ± 1/32 .XXX = ±.005 [ .13] ANGLES ± 1°		<small>CABLE LENGTH (L) TOLERANCES:</small> 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		<small>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</small> SHEET 1 OF 1
<small>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</small>			SCALE N/A		
<small>TITLE</small> N Male to Reverse Polarity SMA Male Cable in 12 Inch Length Using RG223 Coax	<small>SIZE</small> A	<small>CAGE CODE</small> 3FKR5	<small>DRAWN BY</small> MVEERAPPAN	<small>ITEM NO.</small> FMCA2785	<small>REV</small> A

T-Rev.D