

RG223 Flexible Coax Cable Black PVC Jacket

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		12.4	GHz
Impedance		50		Ohms
Velocity of Propagation		66		%
Operating Voltage (AC)			1,900	Vrms
Nominal Capacitance		30.8		pF/ft
		[101.05]		[pF/m]

Performance by Frequency Band

Description	F1	F2	F3	F4	F5	Units
Frequency	0.1	0.4	1	3	5	GHz
Attenuation, Typ	4	8.19	13.41	24.81	33.49	dB/100ft
	13.12	26.87	44	81.4	109.88	dB/100m

Description	F6	F7	F8	F9	F10	Units
Frequency	11					GHz
Attenuation, Typ	54.1					dB/100ft
dB/100m	177.49					

Mechanical Specifications

Diameter	0.209 in [5.31 mm]
Weight	0.035 lbs/ft [0.05 kg/m]
Min. Bend Radius (Repeated)	0.98 in [24.89 mm]

Construction Specifications

Description	Material and Plating	Diameter
Inner Conductor	Copper, Silver, 1 Strands	0.035 in [0.89 mm]
Conductor Type	Solid	
Dielectric	PE	0.116 in [2.95 mm]
First Shield	Silver Plated Copper Braid	[]
Second Shield	Silver Plated Copper Braid	0.155 in [3.94 mm]
Jacket	PVC, Black	0.209 in [5.31 mm]

Environmental Specifications

Temperature	
Operating Range	-40 to +80 deg C



Configuration:

- Flexible Cable
- 2 Shield(s)

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

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

Plotted and Other Data

Notes:

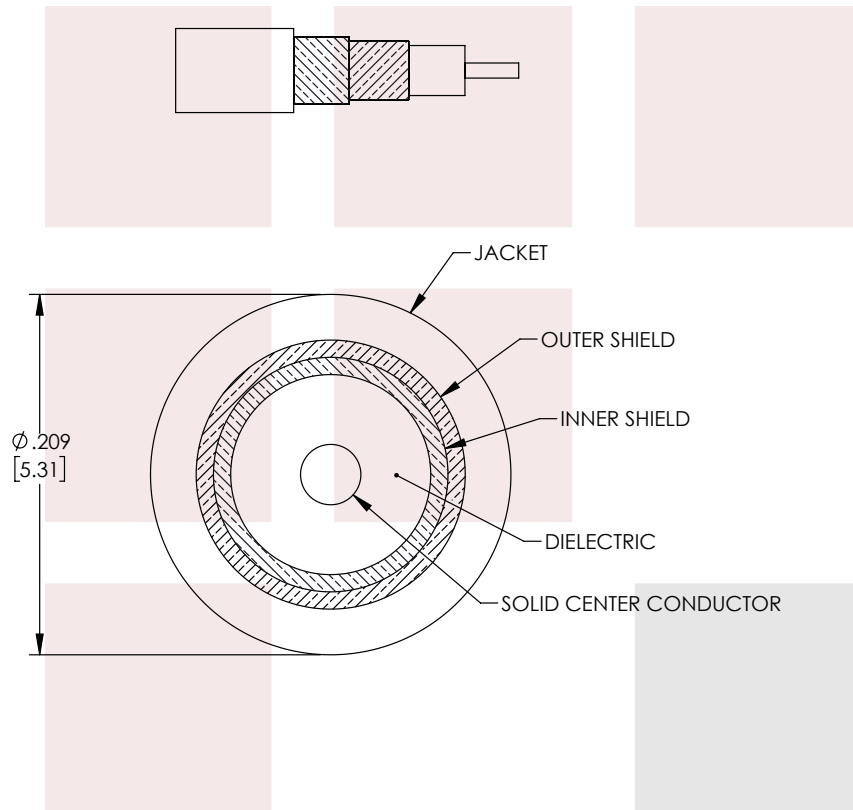
RG223 Flexible Coax Cable Black PVC Jacket from Fairview Microwave has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

Click the following link to obtain additional part information: [RG223 Flexible Coax Cable Black PVC Jacket RG223-FT](#)

URL: <https://www.fairviewmicrowave.com/rg223-flexible-coax-cable-pvc-jacket-rg223-ft-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	03/24/2022	AGANWANI



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TITLE

RG223 Flexible Coax Cable Black PVC Jacket

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

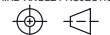
TOLERANCES:

.X = ±.2 [5.08] 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

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKR5	DZINN	RG223-FT	A

T-Rev.D