

RG223

Low Cost

Features:
* Low Cost

Applications:
* Telecom
* Interconnect between equipment

Electrical

Frequency:	DC-6GHz
Impedance:	50Ω
Velocity of Propagation:	66%
Voltage Withstand:	1400V DC
Capacitance:	100pF/m

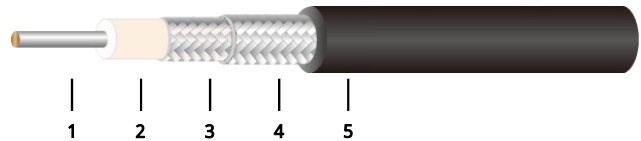
Mechanical

Bend Radius:	25mm
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Environmental

Temperature:	-20~+80°C
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Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	0.9	Silver-plated copper
2	Dielectric	2.95	PE
3	Inner Shield	112*0.12	Silver-plated copper braid
4	Outer Shield	112*0.12	Silver-plated copper braid
5	Jacket	5.4	PVC

Attenuation

Frequency (GHz)	0.05	0.1	0.2	0.4	0.5	0.9	1.5	2	3	6
Attenuation*1 (dB/100m)	14	16	19	28	37	44	59	70	88	145

[1] VSWR:1.0; Ambient: +25°C (77°F)

How To Order

RG223-X-Y-Z

X: Frequency in GHz

Y: Connector type

Z: Length in meters

Examples:

To order a RG223 cable assembly, DC-3GHz, SMA male to SMA female, 0.8 meter, specify RG223-3-SSF-0.8.

Connector naming rules:

S - SMA (6GHz, VSWR 1.3)

X - MMCX (6GHz, VSWR 1.3)

M - MCX (6GHz, VSWR 1.3)

B - BNC (4GHz, VSWR 1.4)

D - SMB (4GHz, VSWR 1.4)

Female Connector - Add 'F' after connector name

Right Angle - Add 'R' after connector name (VSWR increase 0.1)

Mating Connector

NCB-MCB-RG142-1

BNC male, Crimping type
, brass

NCB-FCB-RG142-1

BNC female, Crimping
type, brass
