

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 |

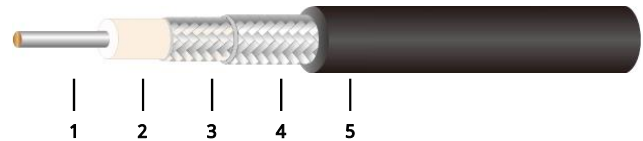
Mechanical

| | |
|--------------|------|
| Bend Radius: | 25mm |
|--------------|------|

Environmental

| | |
|--------------|-----------|
| Temperature: | -20~+80°C |
|--------------|-----------|

Construction



| No. | Name | Size (mm) | Material |
|-----|-----------------|-----------|----------------------------|
| 1 | Inner Conductor | 0.9 | Silver-plated copper |
| 2 | Dielectric | 2.95 | PE |
| 3 | Inner Shield | 3.5±0.1 | Silver-plated copper braid |
| 4 | Outer Shield | 4.0±0.1 | 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

QCB-MCB-RG142-1

BNC male, Crimping type
, brass

QCB-FCB-RG142-1

BNC female, Crimping
type, brass
