

RG214S Low Cost

Features:

- * Low Cost
- * Applied standard: MIL-C-17

Applications:

- * Telecom
- * Interconnect between equipment

Electrical

Frequency:	DC~6GHz
Impedance:	50Ω
Velocity of Propagation:	66%
Voltage Withstand:	5000Vrms
Working Voltage:	3700Vrms
Capacitance:	101.05pF/m

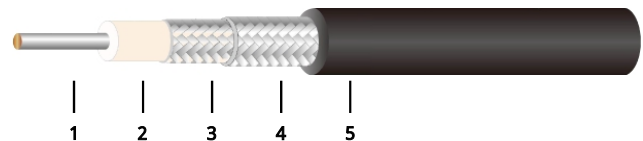
Mechanical

Bend Radius:	40mm
Weight:	180 g/m
RoHS:	Compliance Compliant

Environmental

Temperature:	-25~+80°C
--------------	-----------

Construction



No.	Name	Size (mm)	Material
1	Inner Conductor	2.27	Stranded Silvered Copper
2	Dielectric	7.24	Polyethylene
3	Inner Shield	144*0.15	Silver-plated copper braid
4	Outer Shield	168*0.15	Silver-plated copper braid
5	Jacket	10,8	PVC

Attenuation

Frequency (GHz)	0.1	0.2	0.4	0.5	1.0	3	5	6
Attenuation ^{*1} (dB/100m)	7	10	28	14	24	47	65	73

[1] VSWR:1.0; Ambient: +25°C (77°F)

How To Order

RG214S-X-Y-Z

- X: Frequency in GHz
- Y: Connector type
- Z: Length in meters

Examples:

To order a RG214S cable assembly, DC-6GHz, SMA male to SMA female, 0.8 meter, specify RG214S-6-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-RG214-1

BNC male, Crimping type
, brass

NCB-FCB-RG214-1

BNC female, Crimping
type, brass
