

RG Type 50 Ohm Coaxial Cables

RG 214 SC

Construction

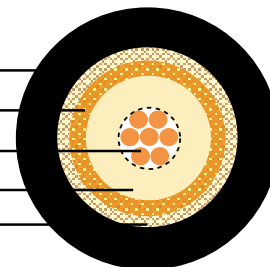
Inner conductor	Silver plated copper	7 x 0.75 mm
Dielectric	Low density PE	$\Phi 7.25 \pm 0.18$ mm
Outer conductor(shield 1)	Silver plated copper	168 x 0.13 mm
Shield coverage		79%
Outer conductor(shield 2)	Silver plated copper	168 x 0.13 mm
Shield coverage		76%
Sheath	PVC or LSZH	$\Phi 10.8 \pm 0.18$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	100 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	6.0 Ohm/Km
Outer conductor resistance	3.8 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	75.2 Kg/Km
Cable weight (approx.)	167.6 Kg/Km
Screening effectiveness	>70 dB



PVC or LSZH sheath
 Silvered copper shield 1
 Silvered copper inner conductor
 Low density PE dielectric
 Silvered copper shield 2



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
50	4.8	1.46
100	7.2	2.20
200	10.5	3.20
400	15.4	4.70
500	17.6	5.37
600	19.5	5.95
860	24.2	7.38
1000	26.5	8.08

Return Loss

30-300 MHz	>30dB
300-600 MHz	>29dB
600-900 MHz	>27dB