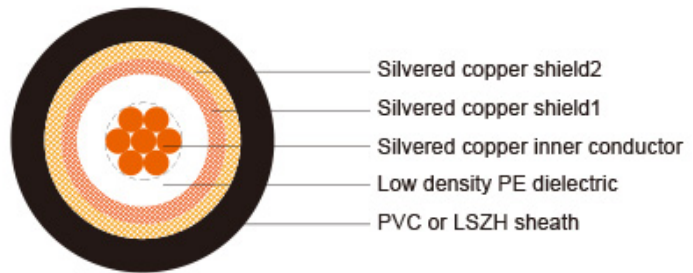


## RG 214 SC



## Construction

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

## Electrical &amp; Mechanical Characteristics

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

## Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
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50	4.8	1.46
100	7.2	2.2
200	10.5	3.2
400	15.4	4.7
500	17.6	5.37
600	19.5	5.95
860	24.2	7.38
1000	26.5	8.08

## Return Loss

<b>30-300 MHz</b>	>30dB
<b>300-600 MHz</b>	>29dB
<b>600-900 MHz</b>	>24dB