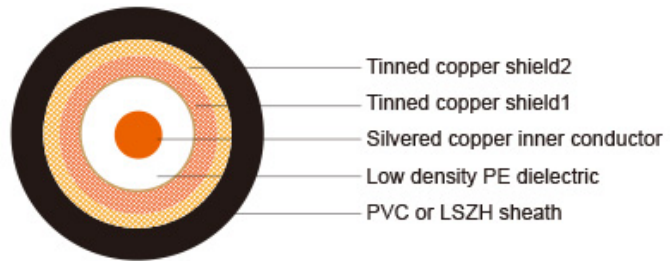


RG 223 SC



Construction

<b>Inner conductor</b>	Silver plated copper	0.9 mm
<b>Dielectric</b>	Low density PE	$\Phi 2.95 \pm 0.10$ mm
<b>Outer conductor(shield 1)</b>	Tinned copper	112 x 0.10 mm
<b>Shield coverage</b>		85%
<b>Outer conductor(shield 2)</b>	Tinned copper	112 x 0.10 mm
<b>Shield coverage</b>		80%
<b>Sheath</b>	PVC or LSZH	$\Phi 5.40 \pm 0.10$ mm

Electrical & Mechanical Characteristics

<b>Impedance</b>	50±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>	28 Ohm/Km
<b>Outer conductor resistance</b>	11 Ohm/Km
<b>Operating temperature range</b>	-30 °C - +70 °C
<b>Copper Weight</b>	22.7 Kg/Km
<b>Cable weight (approx.)</b>	46.3 Kg/Km
<b>Screening effectiveness</b>	>70dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
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50	9.0	2.74
100	13	3.96
200	19.3	5.88
400	28.1	8.57
500	31.9	9.73
600	35.3	10.76
860	43.8	13.35
1000	48.5	14.79

## Return Loss

<b>30-300 MHz</b>	>32dB
<b>300-600 MHz</b>	>28dB
<b>600-900 MHz</b>	>23dB