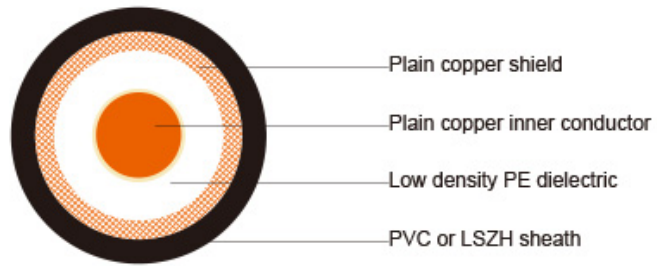


RG 59 CS



Construction

<b>Inner conductor</b>	Copper clad steel(CCS)	0.58 mm
<b>Dielectric</b>	Low density PE	$\Phi 3.70 \pm 0.10$ mm
<b>Outer conductor (shield)</b>	Plain copper	120 x 0.10 mm
<b>Shield coverage</b>		77%
<b>Sheath</b>	PVC or LSZH	$\Phi 6.15 \pm 0.10$ mm

Electrical & Mechanical Characteristics

<b>Impedance</b>	75±5 Ohm
<b>Nominal capacitance</b>	67 pF/m
<b>Velocity of propagation</b>	66%
<b>Insulation resistance</b>	>2000 Mohm.Km
<b>Inner conductor resistance</b>	158 Ohm/Km
<b>Outer conductor resistance</b>	19.5 Ohm/Km
<b>Operating temperature range</b>	-30 °C - +70 °C
<b>Copper weight</b>	11.1 Kg/Km
<b>Cable weight (approx.)</b>	45.7 Kg/Km
<b>Screening effectiveness</b>	>50 dB

Attenuation

Frequency (MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.6	2.32
100	11.1	3.38
200	16.2	4.94
400	23.2	7.07

500	26.2	7.99
600	29.3	8.93
860	35.5	10.82
1000	38.7	11.8/

## Return Loss

<b>30-300 MHz</b>	>31dB
<b>300-600 MHz</b>	>28dB
<b>600-900 MHz</b>	>24dB