

RG Type 75 Ohm Coaxial Cables

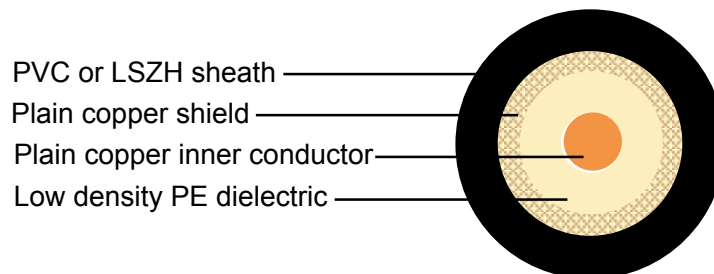
RG 59 CS

Construction

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

Electrical & Mechanical Characteristics

Impedance	75±5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	158 Ohm/Km
Outer conductor resistance	19.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	11.1 Kg/Km
Cable weight (approx.)	45.7 Kg/Km
Screening effectiveness	>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	11.80

Return Loss

30-300 MHz	>31dB
300-600 MHz	>28dB
600-900 MHz	>24dB