

RG Type 75 Ohm Coaxial Cables

RG 59 PC1

Construction

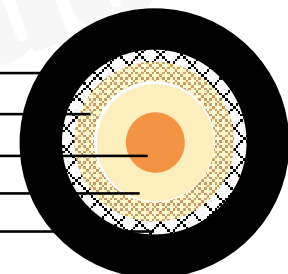
Inner conductor	Plain copper	0.6 mm
Dielectric	Low density PE	$\Phi 3.70 \pm 0.10$ mm
Outer conductor (shield 1)	Plain copper	120 x 0.12 mm
Shield coverage		86%
Outer conductor (shield 2)	Tinned copper	120 x 0.12 mm
Shield coverage		86%
Sheath	PVC or LSZH	$\Phi 6.10 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	75 \pm 5 Ohm
Nominal capacitance	67 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	62 Ohm/Km
Outer conductor resistance	8.5 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	29.9 Kg/Km
Cable weight (approx.)	59.8 Kg/Km
Screening effectiveness	>70 dB



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



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.2	2.20
100	10.5	3.20
200	15.5	4.73
400	22.3	6.80
500	25.1	7.65
600	28.0	8.54
860	33.9	10.34
1000	37.0	11.28

Return Loss

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