

Broadcast Coaxial Cables

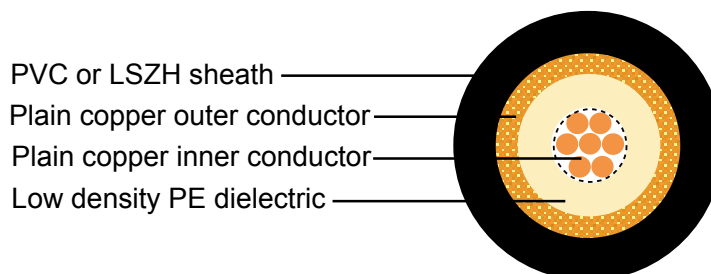
RG 59 BC

Construction

Inner conductor	Plain copper	7 x 0.20 mm
Dielectric	Low density PE	$\Phi 3.70 \pm 0.10$ mm
Outer conductor	Plain copper	160 x 0.10 mm
Shield coverage		92%
Sheath	PVC or LSZH	$\Phi 6.20 \pm 0.10$ 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	82 Ohm/Km
Outer conductor resistance	15 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	14.0 Kg/Km
Cable weight (approx.)	49.4 Kg/Km
Screening effectiveness	>55 dB



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.9	2.41
100	11.5	3.51
200	16.8	5.12
400	24.1	7.35
500	27.3	8.32
600	30.4	9.27
860	36.8	11.22
1000	40.1	12.23

Return Loss

30-300 MHz	>30dB
300-600 MHz	>25dB
600-900 MHz	>22dB