

RG Type Low Loss Coaxial Cables

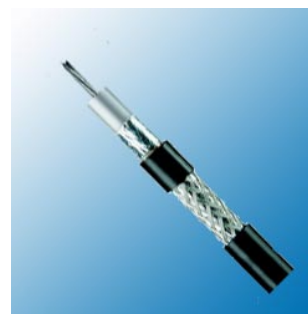
RG 58 LL

Construction

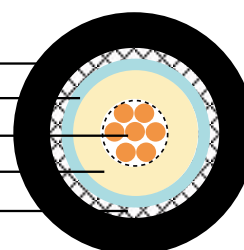
Inner conductor	Tinned copper	7 x 0.40 mm
Dielectric	Foam PE	$\Phi 3.10 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	96 x 0.10 mm
Shield coverage		72%
Sheath	PVC or LSZH	$\Phi 5.00 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	20.5 Ohm/Km
Outer conductor resistance	20 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	15.3 Kg/Km
Cable weight (approx.)	33.9 Kg/Km
Screening effectiveness	>80 dB



PVC or LSZH sheath
 AL + polyester + AL tape
 Tinned copper inner conductor
 Foamed PE dielectric
 Tinned copper outer conductor



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	9.6	2.93
100	12.8	3.90
400	25.9	7.90
600	32.1	9.79
860	39.0	11.89
1000	42.4	12.93
1750	59.0	17.99
2400	72.3	22.04

Return Loss

30-300 MHz	>28dB
300-600 MHz	>24dB
600-900 MHz	>22dB