

RG Type Low Loss Coaxial Cables

RG 50 LL

Construction

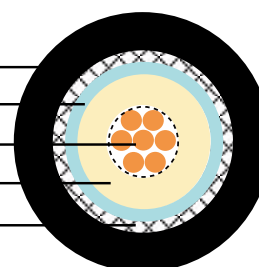
Inner conductor	Tinned copper	7 x 0.25 mm
Dielectric	Foam PE	$\Phi 2.00 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	48 x 0.12 mm
Shield coverage		64%
Sheath	PVC or LSZH	$\Phi 3.60 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	95 pF/m
Velocity of propagation	75%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	20.5 Ohm/Km
Outer conductor resistance	32.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	8.2 Kg/Km
Cable weight (approx.)	18.3 Kg/Km
Screening effectiveness	>75 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	13.0	3.96
100	17.3	5.27
400	35.0	10.67
600	43.3	13.20
860	52.7	16.07
1000	57.2	17.44
1750	76.7	23.38
2400	94.0	28.66

Return Loss

30-300 MHz	>24dB
300-600 MHz	>21dB
600-900 MHz	>15dB

