

RG Type Low Loss Coaxial Cables

RG 240 LL

Construction

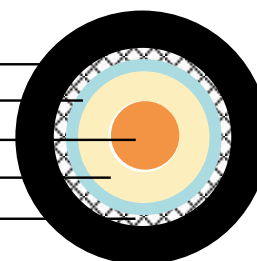
Inner conductor	Plain copper	1.40 mm
Dielectric	Foam PE	$\Phi 3.80 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	112 x 0.12 mm
Shield coverage		80%
Sheath	PVC or LSZH	$\Phi 6.10 \pm 0.10$ mm

Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	11.5 Ohm/Km
Outer conductor resistance	14.5 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	25.9 Kg/Km
Cable weight (approx.)	52.6 Kg/Km
Screening effectiveness	>90 dB



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



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	5.7	1.74
100	7.8	2.38
400	16.2	4.94
600	20.0	6.10
860	24.2	7.38
1000	26.0	7.93
1750	36.0	10.98
2400	43.1	13.14

Return Loss

30-300 MHz	>28dB
300-600 MHz	>24dB
600-900 MHz	>19dB