

# RG Type Low Loss Coaxial Cables

## RG 400 LLA

### Construction

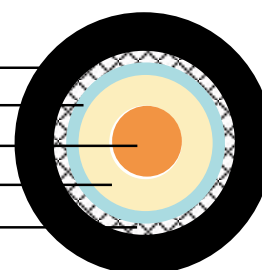
Inner conductor	Plain copper	2.62 mm
Dielectric	Gas injected foam PE	$\Phi 7.20 \pm 0.10$ mm
Outer conductor (shield 1)	Copper + polyester tape	
Shield coverage		100%
Outer conductor (shield 2)	Plain copper	96 x 0.15 mm
Shield coverage		56%
Sheath	PVC or LSZH	$\Phi 10.30 \pm 0.18$ mm

### Electrical & Mechanical Characteristics

Impedance	50±3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	84%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	3.2 Ohm/Km
Outer conductor resistance	12.7 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	71.3Kg/Km
Cable weight (approx.)	137.7 Kg/Km
Screening effectiveness	>80 dB



PVC or LSZH sheath  
 Copper+polyester tape  
 Plain copper inner conductor  
 Gas injected foam PE dielectric  
 Plain copper outer conductor



### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	2.5	0.76
100	3.6	1.10
400	7.9	2.41
600	10.1	3.08
860	12.1	3.69
1000	13.2	4.02
1750	18.7	5.70
2400	22.2	6.77

### Return Loss

30-300 MHz	>29dB
300-600 MHz	>26dB
600-900 MHz	>24dB