

# RG Type Low Loss Coaxial Cables

## RG 8 LL

### Construction

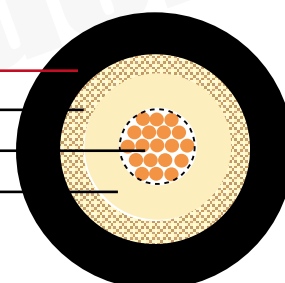
Inner conductor	Plain copper	19 x 0.28 mm
Dielectric	Foam PE	$\Phi 3.90 \pm 0.15$ mm
Outer conductor (shield)	Plain copper	128 x 0.12 mm
Shield coverage		88%
Sheath	PVC or LSZH	$\Phi 6.10 \pm 0.10$ mm

### Electrical & Mechanical Characteristics

Impedance	50 $\pm$ 3 Ohm
Nominal capacitance	80 pF/m
Velocity of propagation	80%
Insulation resistance	>5000 Mohm.Km
Inner conductor resistance	15.5 Ohm/Km
Outer conductor resistance	14 Ohm/Km
Operating temperature range	-25 °C - +80 °C
Copper weight	25.2 Kg/Km
Cable weight (approx.)	53.7 Kg/Km
Screening effectiveness	>55 dB



PVC or LSZH sheath  
 Plain copper shield  
 Plain copper inner conductor  
 Foamed PE dielectric



### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.2	2.20
100	10.5	3.20
400	22.2	6.77
600	27.6	8.41
860	33.9	10.34
1000	37.0	11.28
1750	51.6	15.73
2400	64.5	19.66

### Return Loss

30-300 MHz	>26dB
300-600 MHz	>25dB
600-900 MHz	>23dB