

# RG Type Low Loss Coaxial Cables

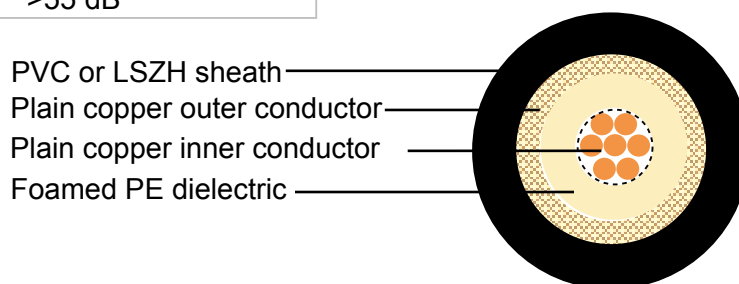
## RG 58 LLC

### Construction

Inner conductor	Plain copper	7 x 0.50 mm
Dielectric	Foam PE	$\Phi 3.80 \pm 0.10$ mm
Outer conductor (shield)	Plain copper	144 x 0.12 mm
Shield coverage		94%
Sheath	PVC or LSZH	$\Phi 5.40 \pm 0.10$ 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	14 Ohm/Km
Outer conductor resistance	11 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	28.0 Kg/Km
Cable weight (approx.)	45.9 Kg/Km
Screening effectiveness	>55 dB



### Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	7.0	2.13
100	10.2	3.11
400	21.2	6.46
600	26.3	8.02
860	32.2	9.82
1000	35.1	10.70
1750	48.0	14.63
2400	58.2	17.74

### Return Loss

30-300 MHz	>30dB
300-600 MHz	>27dB
600-900 MHz	>22dB