

RG Type Low Loss Coaxial Cables

RG 8 LLC

Construction

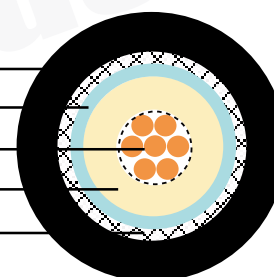
Inner conductor	Plain copper	7 x 0.75 mm
Dielectric	Low density PE	$\Phi 7.25 \pm 0.18$ mm
Outer conductor (shield 1)	Copper + polyester tape	
Shield coverage		100%
Outer conductor (shield 2)	Plain copper	128 x 0.10 mm
Shield coverage		57%
Sheath	PVC or LSZH	$\Phi 10.40 \pm 0.18$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 3 Ohm
Nominal capacitance	100 pF/m
Velocity of propagation	66%
Insulation resistance	>2000 Mohm.Km
Inner conductor resistance	6 Ohm/Km
Outer conductor resistance	13 Ohm/Km
Operating temperature range	-30 °C - +70 °C
Copper weight	45.3 Kg/Km
Cable weight (approx.)	137.9 Kg/Km
Screening effectiveness	>80 dB



PVC or LSZH sheath
 Copper+polyester tape
 Plain copper inner conductor
 Low density PE dielectric
 Plain copper outer conductor



Attenuation

Frequency(MHz)	Attenuation (dB/100 m)	Attenuation (dB/100ft)
50	3.7	1.13
100	5.4	1.65
400	11.7	3.57
600	14.6	4.45
860	18.1	5.52
1000	19.6	5.98
1750	28.8	8.78
2400	35.1	10.70

Return Loss

30-300 MHz	>30dB
300-600 MHz	>27dB
600-900 MHz	>23dB