

RG Type Low Loss Coaxial Cables

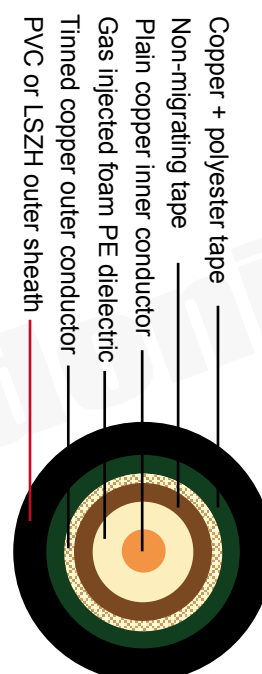
RG 400 LL

Construction

Inner conductor	Plain copper	2.62 mm
Dielectric	Gas injected foam PE	$\Phi 7.20 \pm 0.10$ mm
Outer conductor (shield 1)	Aluminium + polyester + Aluminium tape	
Shield coverage		100%
Outer conductor (shield 2)	Tinned copper	128 x 0.15 mm
Shield coverage		70%
Tape	Non-migrating tape	h.27mm
Sheath	PVC or LSZH	$\Phi 10.30 \pm 0.18$ mm

Electrical & Mechanical Characteristics

Impedance	50 \pm 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	7.5 Ohm/Km
Operating temperature range	-40 °C - +75 °C
Copper weight	71.0 Kg/Km
Cable weight (approx.)	122.1 Kg/Km
Screening effectiveness	>85 dB



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