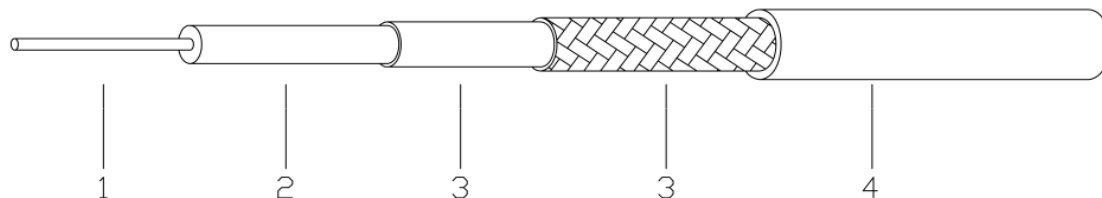


# Low Loss 100 Cable



## Construction Specification

structure	Diameter(mm)	Materials
1.Inner Conductor	0.46	Solid Copper or Copper clad Steel
2.Dielectric	1.52	Foam PE
3. Braid	2.11	Bonded Aluminum Foil + Tinned copper braid
4.Jacket	2.79	Black PE or PVC

## Electrical Characteristics

Impedance	50Ohm
Velocity(%)	66%
Bent Radius (mm)	14
Inner Conductor DC Resistance( $\Omega$ /km)	266
Outer Conductor DC Resistance( $\Omega$ /km)	31.2
Shielding Effectiveness(dB)	>90
Temperature Scope	-25 to 70°C

## Mechanical Characteristics

Storage Temp. (°C)	-25 to +70
Installation Temp. (°C)	-25 to +70
Operating Temp. (°C)	-25 to +70

Attenuation & Average Power @ 20°C and Seal Level

Frequency (MHz)	Attenuation (dB/100m)	Avg. Power (kw)
30	12.90	0.23
50	16.70	0.18
150	29.40	0.1
220	35.80	0.08
450	51.90	0.06
900	74.90	0.04
1500	98.70	0.03
1800	109.00	0.03
2000	115.50	0.03
2500	130.60	0.02
3000	143.80	0.02
5800	210.30	0.01