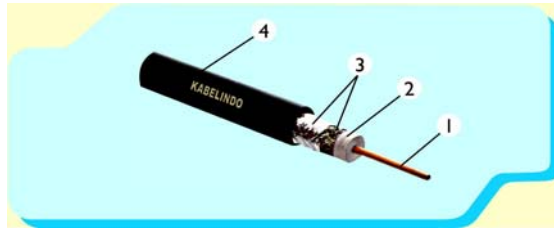






R - LMR SERIES COAXIAL CABLE



RF CABLES

CONSTRUCTION

-  1. Inner Conductor : Smooth Copper Tube
-  2. Insulation : Foamed PE Dielectric
-  3. Double Shielded Cover : Tin Copper
-  4. Jacketing : PE Jacket

MECHANICAL

PHYSICAL DIMENSION					MECHANICAL CHARACTERISTIC
Cable Type	Inner Conductor Diameter	Insulation Diameter	Outer Conductor Diameter	Jacketing Diameter	Minimum Bending Radius (mm)
	(mm)	(mm)	(mm)	(mm)	
R-LMR 100 A	0.46	1.52	2.11	2.79 (PVC)	6.4
R-LMR 195 A	0.94	2.80	3.53	4.95	12.7
R-LMR 200 A	1.12	2.95	3.66		
R-LMR 240 A	1.42	3.81	4.52	6.10	19.1
R-LMR 300 A	1.78	4.83	5.72	7.62	22.2
R-LMR 400 A	2.74	7.24	8.13	10.29	25.4
R-LMR 500 A	3.61	9.40	10.29	12.70	31.8
R-LMR 600 A	4.47	11.56	12.45	14.99	
R-LMR 900 A	6.65	17.27	18.59	22.10	76.2

ELECTRICAL

- Shielding Effectiveness (db) : ≥ 90
- Insulation Resistance (m Ω .km) : $> 5 \times 10^3$
- VSWR (0.01 GHz-3GHz) : ≤ 1.20
- Characteristic Impedance (Ω) : Avg. 50 ± 1
- Operating Temperature ($^{\circ}\text{C}$) : $-40^{\circ}\text{C} \rightarrow +70^{\circ}\text{C}$
- Insulation Temperature ($^{\circ}\text{C}$) : $-40^{\circ}\text{C} \rightarrow +70^{\circ}\text{C}$
- Attenuation :

Type	Attenuation at 20°C (dB/100m)					
	900 MHz	1500 MHz	1800 MHz	2000 MHz	2500 MHz	3000 MHz
R-LMR 100 A	74.9	98.7	109.0	115.5	130.6	143.8
R-LMR 195 A	36.5	47.7	52.5	55.4	62.4	68.9
R-LMR 200 A	32.6	42.4	46.6	49.3	55.4	61.3
R-LMR 240 A	24.8	32.4	35.6	37.7	42.4	47.1
R-LMR 300 A	19.9	26.0	28.7	30.3	34.2	38.2
R-LMR 400 A	12.8	16.8	18.6	19.6	22.2	25.0
R-LMR 500 A	10.3	13.6	15.0	15.9	18.0	20.4
R-LMR 600 A	8.2	10.9	12.1	12.8	14.5	16.6
R-LMR 900 A	5.6	7.4	8.2	8.6	9.8	11.5

Normal Capacitance & Average Power Rating :

Type	Normal Capacitance (Pf/m)	Attenuation at 20°C (dB/100m)					
		900 MHz	1500 MHz	1800 MHz	2000 MHz	2500 MHz	3000 MHz
R-LMR 100 A	101.1	0.05	0.04	0.03	0.02	0.01	0.01
R-LMR 195 A	79.70	0.15	0.12	0.11	0.10	0.09	0.08
R-LMR 200 A	80.4	0.18	0.14	0.13	0.12	0.10	0.09
R-LMR 240 A	79.4	0.26	0.20	0.18	0.17	0.45	0.14
R-LMR 300 A	79.1	0.36	0.28	0.25	0.24	0.21	0.20
R-LMR 400 A	78.4	0.58	0.44	0.40	0.37	0.33	0.31
R-LMR 500 A	77.4	0.75	0.57	0.52	0.49	0.43	0.38
R-LMR 600 A	76.8	0.93	0.70	0.63	0.59	0.52	0.40
R-LMR 900 A		1.5	1.1	1.0	1.0	0.9	0.8