

LMR240

Construction

Item	Material	Diameter(mm)
Inner Conductor	BC	1.42
Dielectric	Foam PE	3.81
First Shield	AL Foil	
Second Shield	TC Braid	4.52
Jacket	PE	6.10

Electrical Characteristics

Impedance (Ω)	50 ± 3
Capacitance (pF/m)	79.4
Velocity of Propagation (%)	84.0
Return Loss	≥ 20
Screening Effectiveness (dB)	≥ 90
DC Resistance (Ω /KM)	
Inner Conductor	10.5
Outer Conductor	12.8
Voltage Withstand (Volts DC)	1500.0
Installation Temp. ($^{\circ}\text{C}$)	-40to 85
Operating Temp. ($^{\circ}\text{C}$)	-40to 85

Attenuation(20 $^{\circ}\text{C}$)

Frequency (MHZ)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
30	1.3	4.4
50	1.7	5.7
150	3.0	9.9
220	3.7	12.0
450	5.3	17.3
900	7.6	24.8
1500	9.9	32.4
1800	10.9	35.6
2000	11.5	37.7
2500	12.9	42.4
5800	20.4	66.8