



Coaxial cable LMR 240

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