



## Coaxial Cable LMR 400

Construction		
Item	Material	Diameter(mm)
Inner Conductor	BC/CCA	2.74
Dielectric	Foam PE	7.24
First Shield	AL Foil	
Second Shield	TC Braid	8.13
Jacket	PE	10.29
Electrical Characteristics		
Impedance ( $\Omega$ )		50 $\pm$ 3
Capacitance (pF/m)		78.4
Velocity of Propagation (%)		85.0
Return Loss		$\geq$ 20
Screening Effectiveness (dB)		$\geq$ 90
DC Resistance ( $\Omega$ /KM)		
Inner Conductor		4.6
Outer Conductor		5.4
Voltage Withstand (Volts DC)		2500.0
Installation Temp. ( $^{\circ}$ C)		-40to 85
Operating Temp. ( $^{\circ}$ C)		-40to 85
Attenuation(@20 $^{\circ}$ C)		
Frequency (MHZ)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
30	0.7	2.2
50	0.9	2.9
150	1.5	5.0
220	1.9	6.1
450	2.7	8.9
900	3.9	12.8
1500	5.1	16.8
1800	5.7	18.6
2000	6.0	19.6
2500	6.8	22.2
5800	10.8	35.5