

## Communications RF Coaxial Cable

**Model: LMR240**



### Construction

Item	Material	Diameter(mm)	Remarks
Inner Conductor	OFC	1.42	<i>Per customer's requirements:                      The second shield could be 112 ,128 or                      144 AL-Mg wires braiding;                      Jacket could be PVC or PE ;</i>
Insulation	Foam PE	3.81	
First Shield	Bonded Aluminum Foil	3.99	
Second Shield	AL-Mg Wire Braid	4.45	
Jacket	PVC/PE	6.10	

### Electrical Characteristics

Impedance ( $\Omega$ )	50 $\pm$ 3
Capacitance (pF/m)	79 $\pm$ 2
Velocity of Propagation (%)	82.0
Dielectric strength(kV)	1.2
V.S.W.R	$\leq$ 1.2
Return Loss	$\geq$ 20
Screening Effectiveness(dB)	$\geq$ 75
Min. Bending Radius (mm)	65.5
Operating Temperature( $^{\circ}$ C)	-25 to +70

### Attenuation (@20 $^{\circ}$ C)

Frequency(MHz)	Max Attenuation(dB/100m)
800	25.0
1200	29.95
1500	33.32
1800	36.71
2000	39.56
2500	43.78
3000	48.31