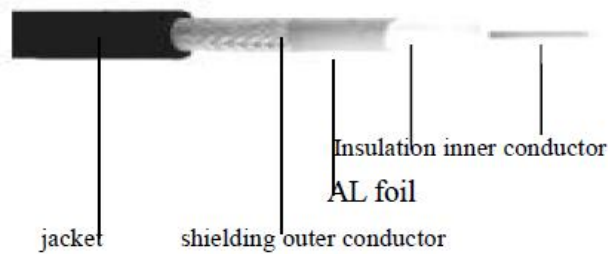


LMR400 Coaxial Cable



Construction Material		
Inner Conductor	Material	Copper-clad aluminum
	Diameter mm	2.75 ± 0.02
Insulation	Material	Foam PE
	Diameter mm	7.30 ± 0.20
Outer Conductor	Material	Tinned copper braid
	Diameter mm	8.00 ± 0.15
Jacket	Material	LLD PE
	Color	Black
	Diameter mm	10.10 ± 0.20
Mechanical Specification		
Bend Radius mm	Single bend	25
	Repeated bend	55
Tensile Strength N		400
Cable Weight kg/km		85
Recommended Temperature °C	Storage	-25~+70
	Installation	-20~+60
	Operating	-20~+60

Electrical Specification	
Impedance	50 ohm \pm 2 ohm
Capacitance	80 pF/m
Inner Conductor DC Resistance	4.79 Ω /km
Outer Conductor DC Resistance	9.02 Ω /km
Velocity	85%
Insulation Resistance	10000 M Ω /km
Peak Power	15.6 kW
Peak Voltage	1400 V
Cut-off Frequency	17 GHz
Attenuation and Average power	
Maximum attenuation value shall be 105% of the nominal attenuation value	
Frequency MHz	Attenuation @20°C dB/100m
150	5.05
450	9.54
900	13.75
1500	18.89
1800	20.91
2000	22.05
2500	24.98
3000	28.32
V.S.W.R.	
Frequency Band	VSWR
300MHz~1000MHz	\leq 1.18
1000MHz~2000MHz	\leq 1.20
2000MHz~3000MHz	\leq 1.20