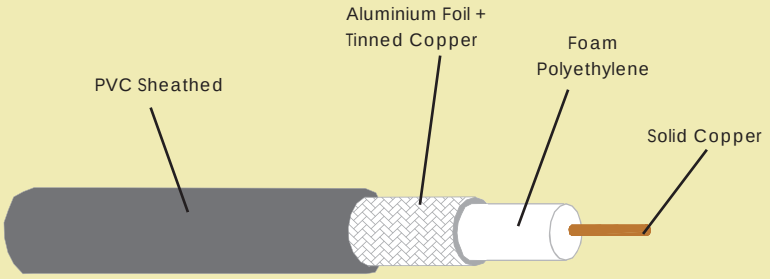
::: LMR 400 :::



Constraction Specification		
	Material	**Diameter (mm)**
1. Inner Conductor	Solid Copper	2.74
2. Dielectric	Physical Foam Polyethylene	7.24
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braids	8.13
4. Jacket	Black PVC or Polyethylene	10.29
Electrical Characteristics		
Capacitance (pF/m)		77.1
Impedance (ohm)		50
Velocity (%)		85
Inner Conductor DC Resistance (ohm/km)		2.92
Outer Conductor DC Resistance (ohm/km)		5.41
Shielding Effectiveness (dB)		> 90
VSWR ≤ (Return Loss ≥ dB)		
5-300 MHz		1.20 (20)
800-1000 MHz		1.10 (26)
1700-2000 MHz		1.15 (23)
2000-2400 MHz		1.15 (23)
Mechanical and Environment Characteristics		
Mid Bend Radius (mm)		51
Storage Temp. (ºC)		-25 to + 70
Installation Temp. (ºC)		-25 to + 70
Operating Temp. (ºC)		-25 to + 70
Attenuation and Avg. Power (20ºC)		
Frequency (MHz)	**Attenuation (>dB/100m)**	**Avg. Power (KW)**
30	2.20	2.91
50	2.90	2.21
150	5.00	1.28
220	6.10	1.05
450	8.90	0.72
900	12.80	0.50
1500	16.80	0.38
1800	18.60	0.34
2000	19.60	0.33
2500	22.20	0.29
3000	24.80	0.26
5800	35.50	0.18