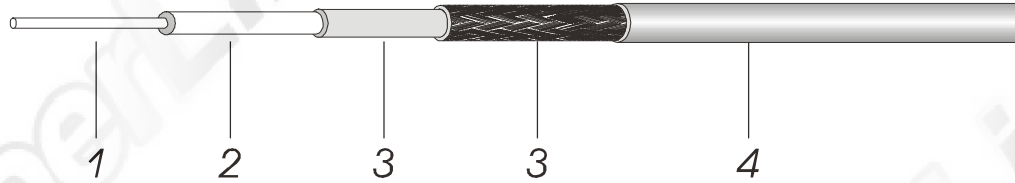




CA-400

Low Loss Cable



Construction Specification

	Material	Diameter (mm / in)
1. Inner Conductor	Copper/Aluminum	2.74 / 0.108
2. Dielectric	Physical Foam Polyethylene	7.24 / 0.285
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	8.13 / 0.320
4. Jacket	Black Polyethylene	10.29 / 0.405

Electrical Characteristics

Capacitance (pF/m)	77.1
Impedance (ohm)	50
Velocity (%)	85
Inner Conductor DC Resistance(Ω/km)	2.92
Outer Conductor DC Resistance(Ω/km)	5.41
Shielding Effectiveness (dB)	>90
Cutoff Frequency	16.2
Peak Power	16KW

Mechanical and Environmental Characteristics

Min. Bend Radius (mm / in)	51 / 2.0
Operating Temp. (°C)	-40 to +80
Tensile Strength (kg / lb)	72.6 / 160
Cable Weight (kg/m-lb/ft)	0.099kg/m – 0.068lb/ft
RoHS Compliant	Yes

Attenuation and Avg. Power (20°C)

Frequency (MHz)	Attenuation dB (100m / 100ft)	Avg. Power (KW)
30	2.2 / 0.7	3.30
50	2.9 / 0.9	2.60
150	5.0 / 1.5	1.50
220	6.10 / 1.86	1.20
450	8.9 / 2.7	0.83
900	12.8 / 3.9	0.58
1500	16.8 / 5.13	0.44
1800	18.6 / 5.67	0.40
2000	19.6 / 6.0	0.37
2500	22.2 / 6.8	0.33
5800	35.5 / 10.8	0.21