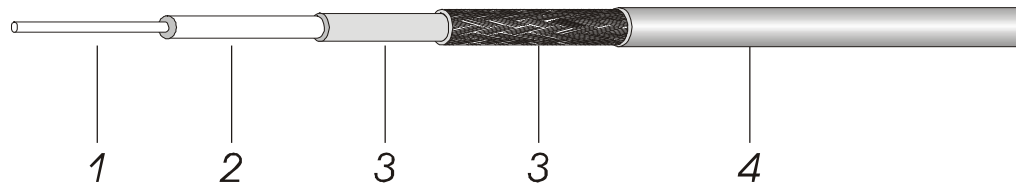


CA-400UF

L-com 400-Series Low Loss Ultra-Flex Cable



Construction Specification

	Material	Diameter (mm / in)
1. Inner Conductor	Stranded Bare Copper	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 Thermoplastic Elastomer	10.29 / 0.405

Electrical Characteristics

Capacitance (pF/m)	78.4
Impedance (ohm)	50
Velocity of Propagation (%)	85
Inner Conductor DC Resistance (Ω/km)	3.51
Outer Conductor DC Resistance (Ω/km)	5.40
Shielding Effectiveness (dB)	>90
Cutoff Frequency (GHz)	16.2
Voltage Withstand (DC)	2500V
Peak Power	16KW

Mechanical and Environmental Characteristics

Bend Radius Installation (mm / in)	25.4 / 1.0
Tensile Strength (kg / lb)	88 / 194
Operating Temp. (°C)	-40 to +85
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	2.7 / 0.8	2.77
50	3.5 / 1.1	2.14
150	6.1 / 1.8	1.22
220	7.4 / 2.2	1.00
450	10.7 / 3.3	0.69
900	15.4 / 4.7	0.48
1500	20.2 / 6.2	0.36
1800	22.3 / 6.8	0.33
2000	23.6 / 7.2	0.31
2500	26.6 / 8.1	0.28
5800	42.6 / 13.0	0.17