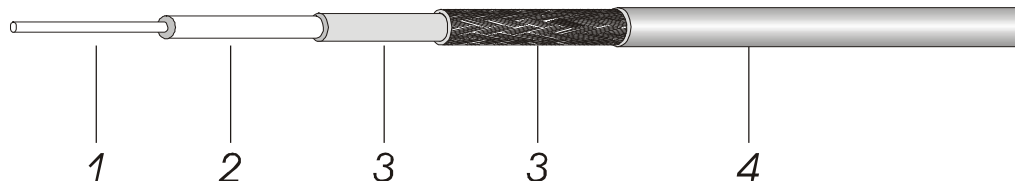


CA-200

HyperLink Wireless brand Low Loss Cable



Construction Specification

	Material	Diameter (mm / in)
1. Inner Conductor	Solid Copper	1.12 / 0.044
2. Dielectric	Physical Foam Polyethylene	2.95 / 0.116
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid (90% coverage)	3.66 / 0.144
4. Jacket	Black Polyethylene	4.95 / 0.195

Electrical Characteristics

Capacitance (pF/m)	80.4
Impedance (ohm)	50
Velocity (%)	83
Inner Conductor DC Resistance (Ω /km)	17.59
Outer Conductor DC Resistance (Ω /km)	16.08
Shielding Effectiveness (dB)	>90
Cutoff Frequency	39 GHz
Peak Power	2.5KW

Mechanical and Environmental Characteristics

Min. Bend Radius (mm / in)	25 / 1.0
Operating Temp. ($^{\circ}$ C)	-40 to +80
Tensile Strength (kg / lb)	18 / 40
Cable Weight (kg/m – lb/ft)	0.035kg/m 0.022lb/ft
RoHS Compliant	Yes

Attenuation and Avg. Power (20 $^{\circ}$ C)

Frequency (MHz)	Attenuation dB (100m / 100ft)	Avg. Power (KW)
30	5.8 / 1.8	0.91
50	7.5 / 2.3	0.70
150	13.1 / 4.0	0.40
220	15.9 / 4.9	0.33
450	22.8 / 7.0	0.23
900	32.6 / 9.9	0.16
1500	42.4 / 12.9	0.12
1800	46.6 / 14.2	0.11
2000	49.3 / 15.0	0.11
2500	55.4 / 16.9	0.10
3000	60.2 / 18.4	0.09
5800	86.5 / 26.4	0.06