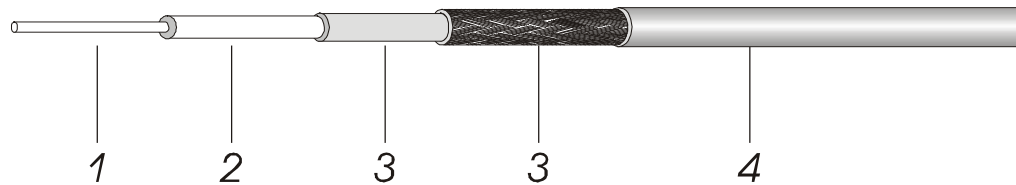


# CA-600

## HyperLink Wireless brand Low Loss Cable



### Construction Specification

	Material	Diameter (mm / in)
1. Inner Conductor	Solid Copper	4.47 / 0.18
2. Dielectric	Physical Foam Polyethylene	11.56 / 0.46
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	12.50 / 0.49
4. Jacket	Black Polyethylene	14.99 / 0.59

### Electrical Characteristics

Capacitance (pF/m)	76.8
Impedance (ohm)	50
Velocity (%)	87
Outer Conductor DC Resistance ( $\Omega$ /km)	3.94
Inner Conductor DC Resistance ( $\Omega$ /km)	1.09
Shielding Effectiveness (dB)	>90
Cutoff Frequency	10.3GHz
Peak Power	40KW

### Mechanical and Environmental Characteristics

Min. Bend Radius (mm /in)	75 / 2.95
Tensile Strength (kg/lb)	158.9 / 350
Cable Weight (kg/m-lb/ft)	0.2671g/m – 0.131lb/ft
Operating temp. (°C)	-40 to +80
RoHS Compliant	Yes

### Attenuation and Avg. Power (20°C)

Frequency (MHz)	Attenuation dB (100m / 100ft)	Avg. Power (KW)
30	1.4 / 0.4	5.5
50	1.8 / 0.6	4.2
150	3.2 / 1.0	2.4
220	3.9 / 1.2	2.0
450	5.6 / 1.7	1.35
900	8.2 / 2.5	0.93
1500	10.9 / 3.3	0.70
1800	12.1 / 3.7	0.63
2000	12.8 / 3.9	0.59
2500	14.5 / 4.4	0.52
5800	23.8 / 7.3	0.32