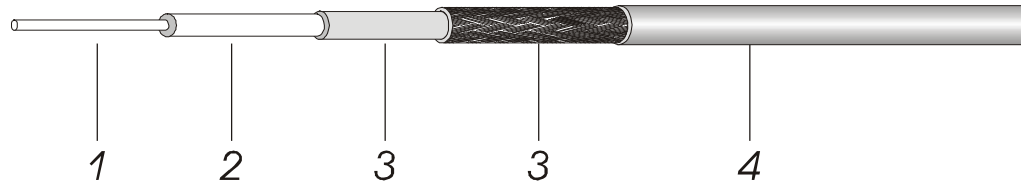


# CA-240

## HyperLink Wireless brand Low Loss Cable



### Construction Specification

	Material	Diameter (mm / in)
1. Inner Conductor	Solid Copper	1.42 / 0.056
2. Dielectric	Physical Foam Polyethylene	3.81 / 0.15
3. Outer Conductor	Bonded Aluminum Foil + Tinned Copper Braid	4.52 / 0.178
4. Jacket	Black Polyethylene	6.10 / 0.240

### Electrical Characteristics

Capacitance (pF/m)	79.4
Impedance (ohm)	50
Velocity (%)	84
Inner Conductor DC Resistance( $\Omega$ /km)	10.50
Outer Conductor DC Resistance( $\Omega$ /km)	12.76
Shielding Effectiveness (dB)	>90
Cutoff Frequency	31GHz
Peak Power	5.6KW

### Mechanical and Environmental Characteristics

Min. Bend Radius (mm / in)	25 / 1.0
Operating Temp. ( $^{\circ}$ C)	-40 to +80
Tensile Strength (kg/lb)	36.3 / 80
Cable Weight (kg/m-lb/ft)	0.0498kg/m – 0.034lb/ft
RoHS Compliant	Yes

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

Frequency (MHz)	Attenuation dB (100m / 100ft)	Avg. Power (KW)
30	4.4 / 1.3	1.30
50	5.7 / 1.7	1.00
150	9.9 / 3.0	0.58
220	12.0 / 3.7	0.48
450	17.3 / 5.3	0.33
900	24.8 / 7.6	0.23
1500	32.4 / 9.9	0.18
1800	35.6 / 10.9	0.16
2000	37.7 / 11.5	0.15
2500	42.4 / 12.9	0.13
3000	46.5 / 14.2	0.12
5800	66.8 / 20.4	0.09