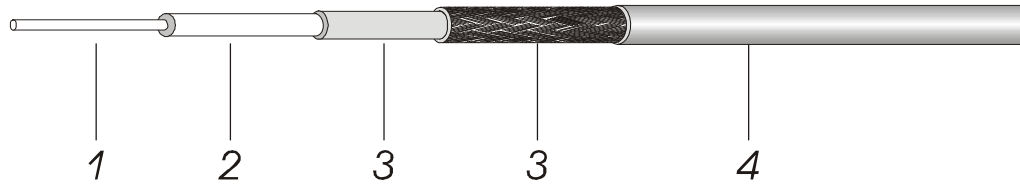


# CA-400

## HyperLink Wireless brand 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            |