

## Low Loss Flexible HLF 500 Coaxial Cable



### Construction

Inner Conductor	Solid BCCAI
Outer Conductor	Aluminum Tape
Dielectric	Foamed Polyethylene (FPE)
Overall Braid	Tinned Copper
Operation Frequency	DC – 8 GHz
Outer Sheath Material	Polyethylene – UV Resistant
Outer Sheath Color	Black

### Electrical Characteristics

Impedance	50Ω
Cutoff Frequency	DC – 16.5 GHz
Velocity of Propagation	82%
Dielectric Constant	1.56
Shielding Effectiveness	>90 dB
Withstand Voltage	2.5kV
Jacket Spark	5.0kV (rms)
Capacitance	23.6 pF/ft (78.4 pF/m)
Inductance	0.21 μH/m
Conductor Resistance	≤ 4.6 Ω/Km
Outer Conductor Resistance	≤ 1.27 Ω/Km
Return loss (30 – 2800 MHz)	≥ 15 dB
Peak Power	22 kW

### Physical Characteristics

Bending Radius (Repeated)	127 mm
Tensile Strength	118 kg
Temperature Rating	-30°C to +85°C
Weight	0.14 kg /m

### Drop-in replacement for

Times Microwave LMR 500 /CNT 500

### Features

- High-performance coaxial cable with durable Polyethylene jacket
- Jumper Assemblies in Wireless Communications Systems.
- Short Antenna Feeder runs.
- Any application (e.g. WLL, GPS, LMR, WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed, low loss RF cable.