



Low Loss Flexible HLF 195 Coaxial Cable

Drop-in replacement for

Times Microwave LMR 195

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.

Frequency (MHz)	Attenuation	
	dB/100 ft	dB/100m
30	2.1	6.8
50	2.6	8.6
150	4.3	14.2
220	5.2	17.0
450	7.5	24.7
900	10.9	35.6
1500	14.2	46.7
1800	15.7	51.5
2000	16.6	54.3
2500	19.5	63.8

Construction

Conductor Material	Solid Bare Copper
Stranding	1 / 0.94 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	2.79mm
Screen Material(1)	Bonded Aluminum Tape(100%)
Screen Material(2)	Tinned Copper wire Braid (89%)
Outer Sheath Material	Polyethylene – UV Resistant
Outer Sheath Color	Black

Electrical Characteristics

Impedance	50Ω
Cutoff Frequency	DC – 8 GHz
Velocity of Propagation	75%
Dielectric Constant	1.56
Shielding Effectiveness	>90 dB
Withstand Voltage	1.5kV
Jacket Spark	3.0kV (rms)
Capacitance	24.3 pF/ft (78.4 pF/m)
Inductance	0.064 μH/m
Conductor Resistance	≤ 24.9 Ω/Km
Outer Conductor Resistance	≤ 16.1 Ω/Km
Return loss	≥ 15 dB
Peak Power	2.5 kW

Physical Characteristics

Overall Diameter	5.0 mm
Min. Bend Radius	12.7 mm
Temperature Rating	-30°C to +85°C
Weight	30 kg /km

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