

Low Loss Flexible HLF 195 Coaxial Cable

Drop-in replacement for

Times Microwave LMR 195

- 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.



Construction	
Center Conductor	Copper Clad Steel
Stranding	1 / 0.94 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	2.79 mm
Screen Material(1)	Bonded Aluminum Tape (100%)
Screen Material (2)	Tinned Copper wire Braid (89%)
Inner Shield	Unsealed APA Tape
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 dBd
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

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

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