

Low Loss Flexible HLF 300 Coaxial Cable

Drop-in replacement for

Times Microwave LMR 300

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.



Construction	
Conductor Material	Solid Bare Copper
Stranding	1 / 1.78 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	4.83 mm
Screen Material (1)	Bonded Aluminum/Polyester/Aluminum Tape (100%)
Screen Material (2)	Tinned Copper wire Braid (87%)
Outer Sheath Material	Polyethylene – UV Resistant
Outer Sheath Color	Black
Electrical Characteristics	
Impedance	50Ω
Cutoff Frequency	DC – 8 GHz
Velocity of Propagation	83%
Dielectric Constant	1.56
Shielding Effectiveness	>90 dB
Withstand Voltage	2.5kV
Jacket Spark	5.0kV (rms)
Capacitance	24.5 pF/ft (78.4 pF/m)
Inductance	0.060 μH/m
Conductor Resistance	≤ 7.0 Ω/Km
Outer Conductor Resistance	≤ 7.7 Ω/Km
Return loss	≥ 15 dB
Peak Power	10.0 kW
Physical Characteristics	
Overall Diameter	7.6 mm
Min. Bend Radius	22.2 mm
Temperature Rating	-30°C to +85°C
Weight	80 kg /km

Frequency (MHz)	Attenuation	
	dB/100 ft	dB/100m
30	1.2	3.8
50	1.4	4.7
150	2.3	7.6
220	2.8	9.2
450	4.1	13.5
900	6.0	19.6
1500	7.8	25.7
1800	8.6	28.3
2000	9.1	30.0
2500	10.3	54.3

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