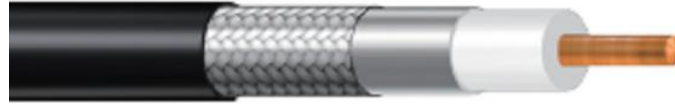


PRODUCT SPECIFICATION

LMR 100-600 Series

HQ-100

Data sheet



Structure specification

Description	Material	inches	mm
Inner Conductor	Solid BC or CCA	0.018	0.46
Dielectric	Foam PE	0.06	1.52
Outer Conductor	Aluminum Tape	0.083	2.11
Overall Braid	Tinned CU or tinned CCA or as per request	0.885	2.25
Jacket	PVC or PE	0.11	2.79

Mechanical performance

Performance Property	Units	US	(metric)
Bend Radius: repeated	in. (mm)	0.55	14
Tensile Strength	lb (kg)	40	(48)

Environmental specifications

Performance Property	0 _F	0 _C
Installation Temperature Range	-40/+185	-40/+85
Storage Temperature Range	-94/+185	-70/+85
Operating Temperature Range	-40/+185	-40/+85

Electrical performance

Performance property	units	US	metric
Velocity of Propagation	%		66
Impedance	ohms	50	
Capacitance	pF/ft (pF/m)		101.10
Shielding Effectiveness	dB	>90	
DC Resistance			
Inner Conductor	ohms/1000ft (/km)		266
Outer Conductor	ohms/1000ft (/km)		32
Voltage Withstand	Volts DC	1000	

Frequency(MHz)	30	50	150	220	450	900	1500	1800	2000
Attenuation dB/100 ft	3.93	5.09	8.96	10.8	16	22.8	30	33.5	39.7
Attenuation dB/100 m	12.9	16.7	29.4	35.5	52.7	74.8	98.5	109.8	130.5