


Product Type		LMC300-LSZH		
Structure Drawing				
Structure Characteristics				
Structure	Item	Standard Value		
Inner Conductor	Material	Stranded Bare Copper Wire		
	Construction(mm)	1.78		
	Nom.Dia(mm)	1.78		
Insulation	Material	Foam PolyolefinDielectric		
	Nom.Dia(mm)	4.85		
Outer Conductor	Material	Bonded Aluminum Foil+Tinned Copper Wire Braid		
	Nom.Dia(mm)	5.6		
Jacket	Material	LSZH		
	Nom.Dia(mm)	7.62		
Electrical Characteristics				
Item	Standard Value	Attenuation and Power handling@25°C and Sea Level		
		Frequency (MHz)	Attenuation (dB/m)	Power handling ( w )
Impedance (Ω)	50	30	4.2	1.74
Capacitance(pF/m)	79	50	5.4	1.35
Velocity of Propagation	85%	150	9.4	0.77
Cutoff Frequency(GHz)	24.5	220	11.5	0.63
		450	16.6	0.44
Screening Effectiveness (dB)	>90	900	23.8	0.30
		1500	31.2	0.23
Max Power (KW)	10	1800	34.4	0.21
Voltage Withstand(Volts DC)	2000	2000	36.4	0.20
		2500	41.0	0.18
Jacket Spark(Vrms)	5000	5800	65.0	0.11
Mechanical & Environmental Characteristics				
Min Bending Radius/Single		mm	5×Cable OD	
Min Bending Radius/Repeated		mm	10×Cable OD	
Weight		kg/M	0.08	
Operating Temperature		°C	-40+85	