

LLA240 & LLA240LSZH Coaxial Cable Foil & Braid Low Loss Flexible Communication

Cable Construction			Electrical Characteristics		
Inner	Solid bare copper, 1.42mm		Velocity of propagation	84 %	
Dielectric:	Foam Polyethylene, Ø 3.81mm		Dielectric constant	1.42	
Outer	Aluminium tape, Ø 3.94 mm		Time delay	3.97 ns/m	
Braid	Overall tinned copper braid, Ø 4.52		Impedance	50 Ohm	
Outer Jacket	Polyethylene (PE), Ø 6.10 mm		Capacitance	79.4 pF/m	
			Inductance	0.20 µH/m	
Mechanical & Thermal Characteristics			Shielding effectiveness	>90 dB	
Bending radius	Installed	19.1 mm	DC Resistance	Inner Conductor	10.5 Ohm/km
	repeated	63.5 mm		Outer Conductor	12.8 Ohm/km
Bending		0.34 N/m	Voltage withstand	1500 V	
Weight		50 kg/km	Jacket spark	5000 V rms	
Tensile		36.3 kg	Peak power	5.6 kW	
Flat plate		0.36 kg/mm	Attenuation	see table	
Temperature Range	Installation	-40 °C up to			
	Storage	-70 °C up to			
	Operating	-40 °C up to			

Frequency	Attenuation	Avg. Power (kW)
30	4.4	1.49
50	5.7	1.15
150	9.9	0.66
220	12.0	0.54
450	17.3	0.38
900	24.8	0.26
1500	32.4	0.20
1800	35.6	0.18
2000	37.7	0.17
2500	42.4	0.15
5800	66.8	0.10

