

## LLA600 & LLA600LSZH Coaxial Cable Foil & Braid Low Loss Flexible Communication

Cable Construction			Electrical Characteristics		
Inner	Solid bare copper clad aluminium,		Velocity of propagation	87 %	
Dielectric	Foam Polyethylene, Ø 11.56 mm		Dielectric constant	1.32	
Outer	Aluminium tape, Ø 11.71 mm		Time delay	3.83 ns/m	
Braid	Overall tinned copper braid, Ø 12.45		Impedance	50 Ohm	
Outer Jacket	Polyethylene (PE), Ø 14.99 mm		Capacitance	76.6 pF/m	
	LSZH FireFighter™ IEC60332-1, Ø		Inductance	0.19 µH/m	
Mechanical & Thermal Characteristics			Shielding effectiveness	>90 dB	
Bending radius	Installed	38.1 mm	DC Resistance	Inner Conductor	1.7 Ohm/km
	repeated	152.4 mm		Outer Conductor	3.9 Ohm/km
Bending		3.73 N/m	Voltage withstand	4000 V	
Weight		200 kg/km	Jacket spark	8000 V rms	
Tensile		158.9 kg	Peak power	40 kW	
Flat plate		1.07 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	1.4	5.51
50	1.8	4.24
150	3.2	2.41
220	3.9	1.97
450	5.6	1.35
900	8.2	0.93
1500	10.9	0.70
1800	12.1	0.63
2000	12.8	0.59
2500	14.5	0.52
5800	23.8	0.32

