

600 Low Loss Flexible Communication Coax - 75 Ohm LSZH FireFighter®

Cable Design

Inner Conductor	Solid plain copper clad aluminium	Ø 2,74 ± 0,01 mm
Dielectric	Foam polyethylene	Ø 11,56 ± 0,10 mm
Shield	Aluminium/Polyester/Aluminium tape	
Coverage	≥ 120 %	
Braid	Tinned copper wire braid	
Coverage	90 ± 3 %	
Outer Jacket	LSZH FireFighter® UV-resistant	Ø 14,99 ± 0,20 mm



Mechanical and Thermal Characteristics

Operating Temperature	-40° C up to +85° C
Min. Bending Radius	single 38,1mm - repeated 152,4 mm
Max. Pulling Tension	1700 N
Crush resistance (load 700 N)	< 1 %
Fire Behaviour	IEC 60332-1, IEC 60332-3-24, IEC 60754, IEC 61034

Electrical Data

Impedance	75±3	Ohm
Capacitance	51	pF/m
Velocity Ratio	87	%
Inner Conductor Resistance	< 4,6	Ohm/km
Braid Resistance	< 4,0	Ohm/km
Jacket sparker	8000	V rms
Dielectric Strength	4000	V DC
Insulation resistance	> 10,000	MOhm•km
Peak Power	40	kW
Shielding Effectiveness (30-2500 MHz)	≥ 90	dB
SWR (30-2500 MHz)	≤ 1,30	dB



Attenuation

Frequency (MHz)	dB/100m
30	1,30
50	1,70
150	3,00
220	3,60
450	5,30
900	7,70
1500	10,20
1800	11,40
2000	12,10
2500	13,70

Maximum attenuation is 10% higher.

Specification

Part Number	Type
600754	LSZH FireFighter®