

Signum® 600 75 Ohm

Low Loss Flexible Communication Coax

Signum®
Low Loss Coaxial Cable



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 Coverage	Aluminium/Polyester/Aluminium tape ≥ 120 %	
Braid Coverage	Tinned copper wire braid 90 ± 3 %	
Outer Jacket	LSZH FireFighter® UV-resistant	Ø 14,99 ± 0,20 mm

Specification

Part Number	Type
600754	LSZH FireFighter® IEC 60332-1

Mechanical and Thermal Characteristics

Operating Temperature	-40 °C up to +85 °C
Bending Radius	10 x Ø
Max. Pulling Tension	1700 N
Crush resistance (load 700 N)	< 1 %
Fire Behaviour	IEC 60332-1, IEC 60332-3-24, IEC 60754, IEC 61034



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

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