

Multimedia Hybrid Control Cable

Power + Signal LSZH FireFighter® 600 V IEC 60332-1

Application

Hybrid multimedia control cable for use with Lutron *GRAFIK EYE™ 3000, 4000, 5000, 6000 systems and Crestron touchpanels, keypads, expansion modules and tuners with the added benefit of using LSZH FireFighter® sheath. The data cable is compliant with DMX512 digital & analogue as well as RS-422, RS-485 applications.

*GRAFIK EYE™ is a trade mark of Lutron Electronics Inc.

Cable Design

Signal-Pair 1x2x0,35mm² screened (22awg)

Conductor	Stranded tinned plated copper wire (7x0,25mm) 0,35mm ²
Insulation	Foam Polyethylene (PE) Ø 2,0 mm
Pair identification	White / Violet
Drain Wire	Stranded tinned plated copper wire (7x0,20mm)
Screen	100% Polyester + Aluminium/polyester (Alu. inside)

Power cores 2x0,93mm² (18/19awg)

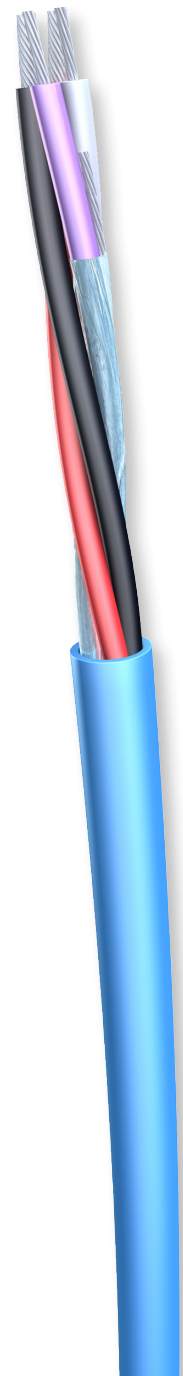
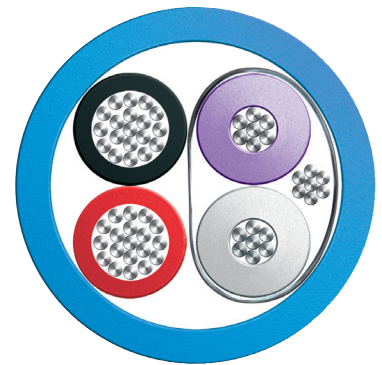
Conductor	Stranded tinned plated copper wire (19x0,25mm) 0,93mm ²
Insulation	Cross-Linked Polyethylene (XLPE) Ø 2,0 mm
Core identification	Black / Red

Assembly 1 signal pair (0,35mm²) + 2 power cores (0,93mm²)

Outer Jacket LSZH FireFighter® BLUE RAL 5015
Diameter Ø 7,20 ± 0,5 mm

Fire Behaviour

- Flame Retardant acc. to IEC 60332-1
- Halogen Free acc. to IEC 60754
- Smoke Emission acc. to IEC 61034



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Technical Data

Signal-Pair	Capacitance core/core	46	pF/m	(nom)
	Capacitance core/screen	124	pF/m	
	Attenuation (1 MHz)	2,0	dB/100m	(nom)
	Velocity ratio	0,78		(nom)
	Resistance (core)	56	Ohm/km	(max)
	Resistance (screen)	65	Ohm/km	(max)
	Insulation resistance	100	Mohm x km	(min)
Power Cores	Resistance (cores)	19	Ohm/km	(max)
	Insulation resistance	200	Mohm x km	(min)
	Operating voltage	600	V	
	Test voltage	2000	V	

Thermal & Mechanical Characteristics

Operating temperature	-25 °C up to +70 °C		
Bending radius	+20 °C	50	mm (min)
	-25 °C	100	mm (min)
Weight	5.2	kg/100m	

Specification

EventSeries® Part #	Lutron	Crestron	Type
5000182434	GRX-CBL-346S	CRESNET-NP	EventSeries® Multimedia Hybrid Control Cable 1x2x18/19awg Power + 1x2x22/7awg 110ohm 600V LSZH FireFighter® IEC60332-1 Blue

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