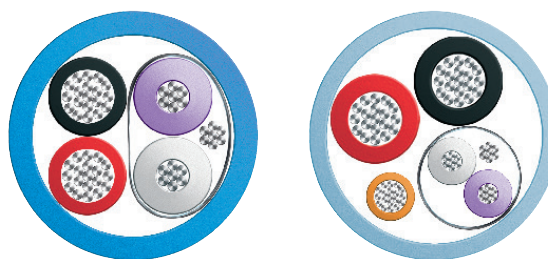


## Multimedia Hybrid Cables for LUTRON & Cresnet Applications

Hybrid multimedia control cable "5000182434" 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.

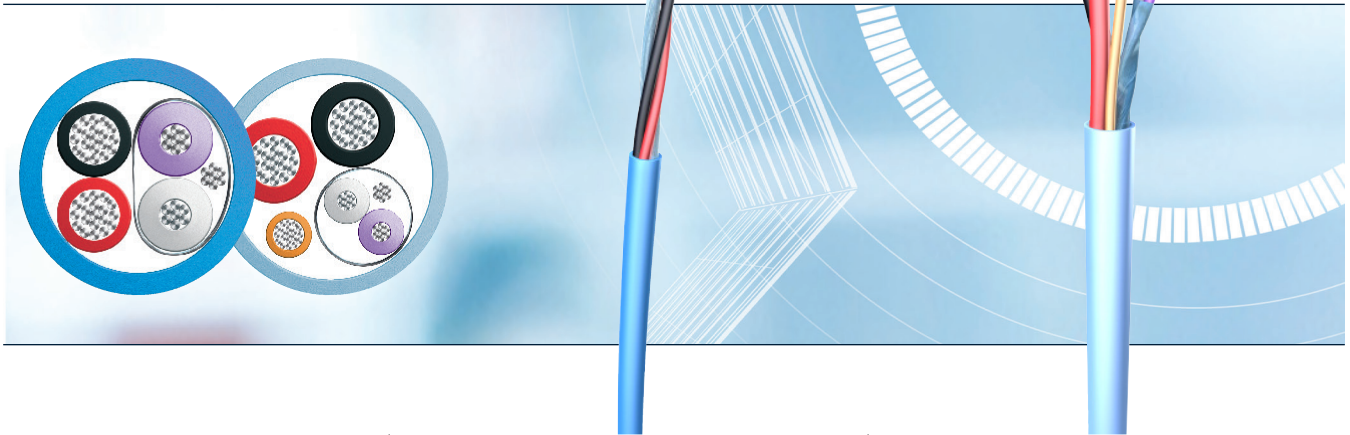
For longer wiring distances (maximum 600m without repeater) use 500012221834 which incorporates a 12awg for power conductors, 22awg 110 ohm signal (DMX, data, digital & analogue audio) and one 18awg sense wire which connects to terminal 5 of the circuit selectors in \*GRAFIK EYE™ dimming or switching panels and allows the system to be set up for emergency lighting applications.

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



# Multimedia Hybrid Cables

## Cable Design



EventSeries® Part Number		<a href="#">5000182434</a>	<a href="#">500012221834</a>
<b>Lutron</b> Part Number		GRX-CBL-346S	GRX-CBL-46L
<b>Crestron</b> Part Number		CRESNET-NP	-
<b>Signal-Pair</b>			
Construction		1x2x0,35mm <sup>2</sup> screened (22awg)	1x2x0,35mm <sup>2</sup> screened (22awg)
Conductor		Stranded tinned plated copper wire (7x0,25mm)	Stranded tinned plated copper wire (7x0,25mm)
Insulation		Foam-skin Polyethylene (PE) Ø 2,0 mm	Foam-skin Polyethylene (PE) Ø 2,0 mm
Pair identification		White / Violet	White / Violet
Drain Wire		Stranded tinned plated copper wire (7x0,20mm)	Stranded tinned plated copper wire (7x0,20mm)
Screen		100% Aluminium foil	100% Aluminium foil
<b>Power Cores</b>			
Construction		2x0,93mm <sup>2</sup> (18/19awg)	2x3,30mm <sup>2</sup> (12awg)
Conductor		Stranded tinned plated copper wire (19x0,25mm)	Stranded tinned plated copper wire (19x0,47mm)
Insulation		Polypropylene (PP) Ø 2,0 mm	Polypropylene (PP) Ø 3,75 mm
Core identification		Black / Red	Black / Red
<b>Sensor Core</b>			
Construction		-	1x0,93mm <sup>2</sup> (18/19awg)
Conductor		-	Stranded tinned plated copper wire (19x0,25mm)
Insulation		-	Polypropylene (PP) Ø 2,0 mm
Core identification		-	Orange

Also available with DataGuard® Armouring and for Duct Grade applications :



**Duct** GRADE

[25000182434-01](#)



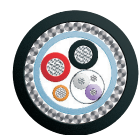
**DataGuard**  
Armoured Network Cables

[145000182434-01](#)



**Duct** GRADE

[2500012221834-01](#)

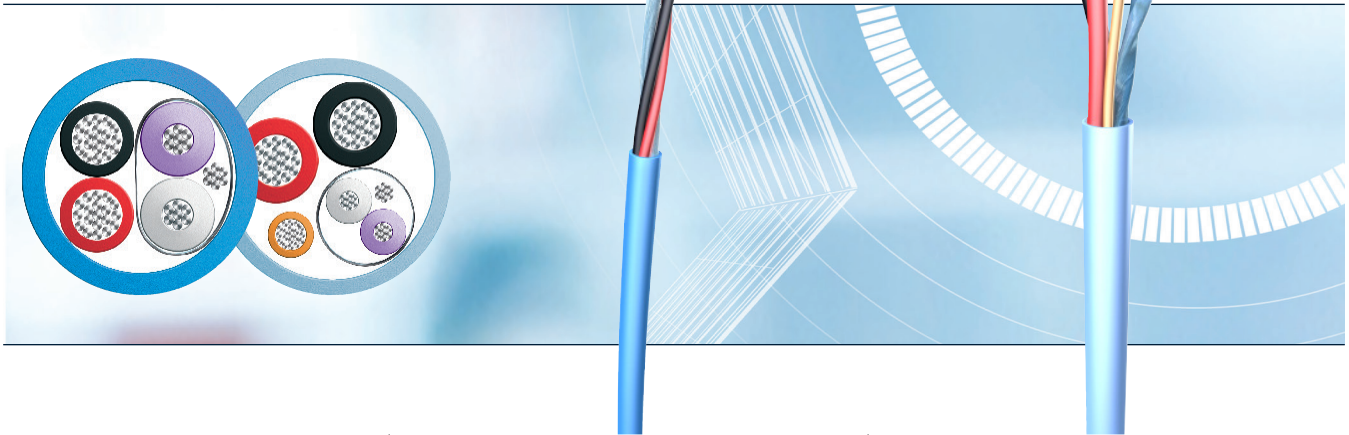


**DataGuard**  
Armoured Network Cables

[14500012221834-01](#)

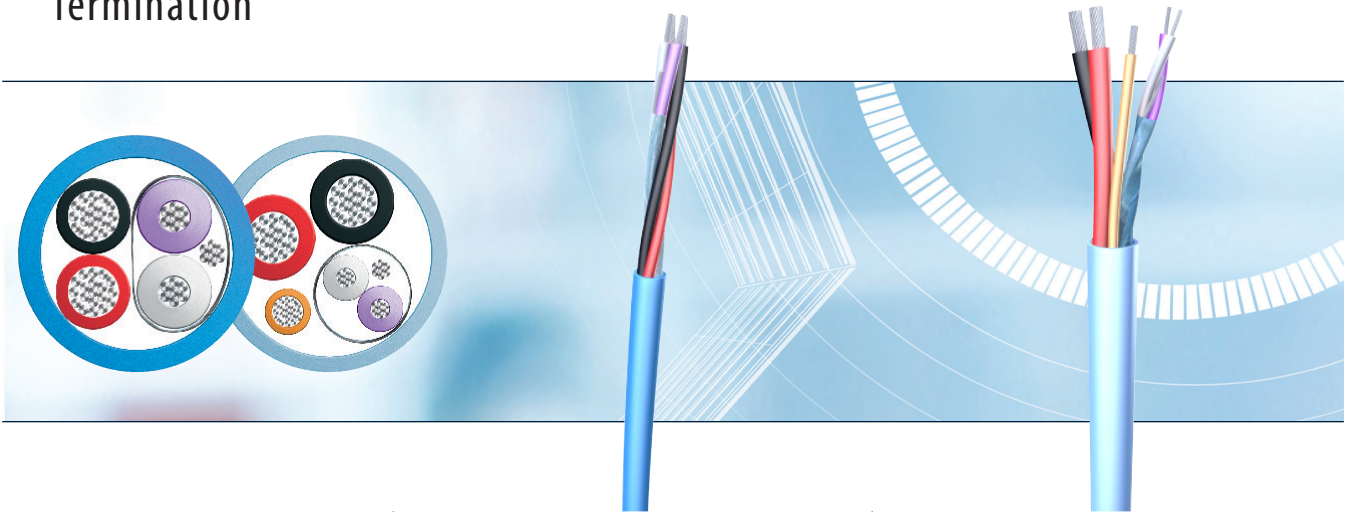
# Multimedia Hybrid Cables

## Electrical Data



Part Number		<b>5000182434</b>	<b>500012221834</b>
<b>Signal-Pair</b>			
Capacitance (core/core)	<i>pF/m</i>	46	46
Capacitance (core/screen)	<i>pF/m</i>	124	124
Attenuation at 1 MHz	<i>dB/100m</i>	2,0	2,0
Velocity ratio		0,78	0,78
Resistance (core)	<i>Ohm/km</i>	56	56
Resistance (screen)	<i>Ohm/km</i>	65	65
Insulation resistance	<i>MOhm x km</i>	100	100
<b>Power &amp; Control Cores</b>			
Resistance (Power cores)	<i>Ohm/km</i>	19	5,5
Resistance (Control cores)	<i>Ohm/km</i>	-	19,5
Insulation resistance	<i>MOhm x km</i>	200	200
Operating Voltage	<i>V</i>	600	600
Test Voltage	<i>V</i>	2000	2000
<b>Generic Data</b>			
Operating Temperature	<i>°C</i>	-25 ~ +70	-25 ~ +70
Bending radius (+ 20°C)	<i>mm</i>	50	70
Bending radius (- 25°C)	<i>mm</i>	100	100
Weight	<i>kg/100m</i>	5,2	14,3

## Multimedia Hybrid Cables Termination



Part Number	<a href="#"><u>5000182434</u></a>	<a href="#"><u>500012221834</u></a>
Formation	1x2x18/19awg Power + 1x2x22/7awg Data	1x2x12/19awg Power + 1x2x22/7awg Data + 18/19awg sense
Terminal 1 (common)	18awg black	12awg black
Terminal 2	18awg red	12awg red
Terminal 3 (multiplex bus)	22awg white	22awg white
Terminal 4 (multiplex bus)	22awg violet	22awg violet
Terminal 5 (sense)	n/a	18awg orange
Terminal D (drain)	24awg	24awg