



## TITLE:

Lighting Control Bus Cables

## CODE:

SFX/USP1-18-EBUS-LSZH-WHT-1

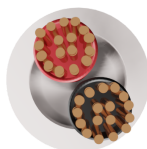
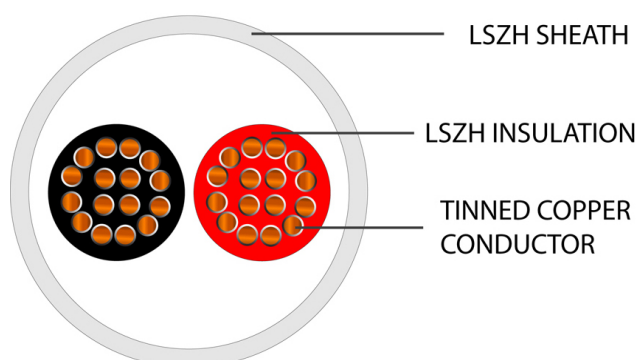
## DESCRIPTION:

1m (per metre) USP1-18 1pr 18AWG  
Unscreened 600V E-Bus White LSZH  
(9740)

## SUPPLIED AS:

Per 1m Lengths

- Suitable for low voltage analog signals or low voltage digital control
- Can be used for computer communication and line level audio
- Low smoke zero halogen plastic is good for use inside public buildings and spaces as will not emit toxic gases if the cable catches fire
- A multi purpose cable
- Improved performance and protection against fire





## Product Specification



### Cable Construction

Cable Construction	1 Pair
CPR	Eca
Conductor	Tinned Copper
Conductor Diameter (mm)	0.30 ±0.008 mm × 16(0.82mm²)
Stranded Diameter (mm)	0.81
Overall Diameter (mm)	5.30 ±0.20

### Insulation

Insulation	LSZH
Insulation Colour	Black, Red
Insulation Resistance @20°C	>200MO/km

### Outer/Jacket Specification

Jacket	LSZH
Overall Colour	White
Overall Diameter (mm)	5.30 ±0.20
Jacket Colour	White RAL 9003

### Electrical Characteristics

Insulation Resistance @20°C	>200MO/km
Max Conductor DC resistance @ 20°C	26.00O/km
Rated Temperature (°C)	-40°C to 70°C
Rated Voltage (V)	600V



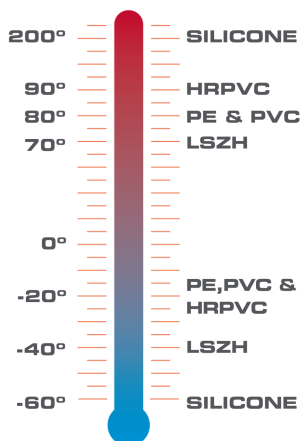
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## MORE INFORMATION:

EURO CLASS (ca: cable)	CLASSIFICATION CRITERIA		CPR GUIDE	
	FIRE RATING	SFX COMMENT		Securi-Flex®
Reaction to Fire BS EN ISO 1716			SUBCLASSIFICATIONS FOR EUROCLASSES B <sub>ca</sub> to D <sub>ca</sub>	
<b>A<sub>ca</sub></b>	Does not contribute to the fire	Due to availability, it will be almost impossible for a cable to meet A <sub>ca</sub> , so they should only be specified with extreme caution.	<b>(S) SMOKE PRODUCTION</b>	<b>(D) FLAMING DROPLETS</b>
Reaction to Fire BS EN 50399			BS EN 50399/BS EN 61034-2	BS EN 50399
<b>B1<sub>ca</sub></b>	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1 <sub>ca</sub> .	s1a: s1 + transmittance >=80% (BS EN 61034-2)	d0: No fall of droplets or flaming particles, times for 1200 seconds
<b>B2<sub>ca</sub></b>	Combustible, low flame spread & heat release contribution to the fire	Similar to Class C <sub>ca</sub> , although a lower acceptable heat release rate and burn measurement. In practice, this is likely to be the highest class cables will meet.	s1b: s1 + transmittance >=60% <80% (BS EN 61034-2)	d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds
<b>C<sub>ca</sub></b>	Combustible, moderate flame spread & heat release	This is a more rigorous test than Class D <sub>ca</sub> , this is widely accepted across Europe as the 'go to' classification, but be aware, many cables do not meet Class C <sub>ca</sub> though availability is improving.	s1: Low production of slow propagation of smoke	a1: Very low acidity (conductivity <2.5 μS/mm & pH >4.3)
<b>D<sub>ca</sub></b>	Combustible, moderate flame spread & heat release	This classification has relatively little use or acceptance within specifying/contracting organisations. This is because no large scale fire growth is measured.	s2: Intermediate production & propagation of smoke	a2: low acidity (conductivity <10 μS/mm & pH >4.3)
Reaction to Fire BS EN 60332-1-2			s3: None of the above	d2: None of the above
<b>E<sub>ca</sub></b>	Combustible, limited fire spread of less than 425mm	A basic test for vertical flame propagation for a single insulated wire or cable using a 1 KW pre-mixed flame. Note: This test does not measure heat release, toxic fumes or smoke.	Visit us online: <a href="http://www.securiflex.co.uk">www.securiflex.co.uk</a>	
<b>F<sub>ca</sub></b>	Combustible, fire spread of more than 425mm	Cables classified to Class F <sub>ca</sub> may have high levels of flammability due to the materials they are made of. This does not mean that the cable cannot be used, it is more likely to be used external.	The Trusted Cable Brand	

## OUR OPERATING TEMPERATURE RANGE GUIDE



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