



TITLE:

EIB Bus LSZH (KNX Equivalent)

CODE:

SFX/EIB-BUS-LSZH-D-GRN-1

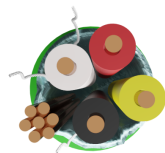
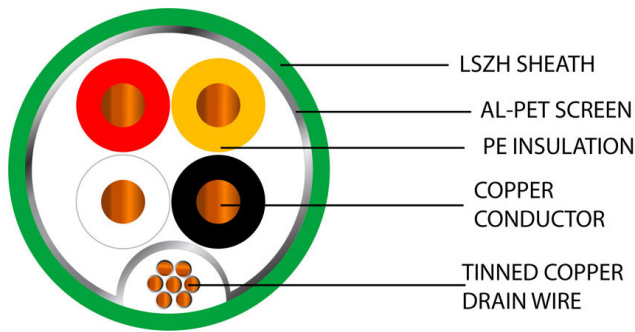
DESCRIPTION:

1m (per metre) EIB Bus 2 x 2 x 0.8mm
Green LSZH (KNX Eqv)

SUPPLIED AS:

Per 1m Lengths

- Suitable for use on KNX systems forming part of greener building technology
- Used for data transfer to control lighting and climate control
- 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
- Sometimes known as TP1 cable





Product Specification



Cable Construction

Cable Construction	2 Pairs
CPR	Dca -s:2 -a:1 -d:2
Conductor	Bare Copper
Conductor 2	N/A
Conductor 3	N/A
Conductor Diameter (mm)	0.80 ±0.01
Inner Conductor	Bare Copper
Stranded Diameter (mm)	0.8
Overall Diameter (mm)	6.50 ±0.20

Insulation

Insulation	HDPE
Insulation Colour	Red/Black;White/Yellow
Insulation Resistance @20°C	>200MO/km
Insulation Thickness (mm)	0.28

Outer/Jacket Specification

Outer Jacket	LSZH
Outer Jacket Colour	Green RAL 6018
Inner Jacket	N/A
Inner Jacket Colour	N/A
Inner Jacket Diameter (mm)	N/A
Inner Jacket Thickness (mm)	N/A
Jacket	LSZH
Overall Colour	Green
Overall Diameter (mm)	6.50 ±0.20
Jacket Colour	Green RAL 6018
Jacket Thickness (mm)	0.8
Nylon Rip-Cord	Yes

Electrical Characteristics

Insulation Resistance @20°C	>200MO/km
Max Conductor DC resistance @ 20°C	<37.00/km
Outer Conductor DC resistance @ 20°C	≤81.0 Ω/km
Rated Temperature (°C)	-40°C to 70°C
Rated Voltage (V)	600V
Impedance	Nom. 78 Ω

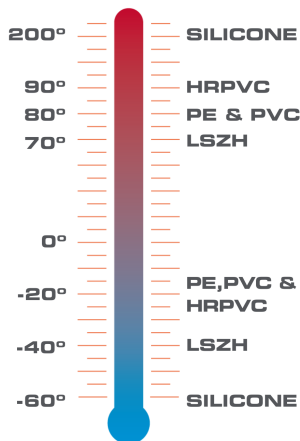




MORE INFORMATION:

EURO CLASS (ca: cable)	CLASSIFICATION CRITERIA		CPR GUIDE		
	FIRE RATING	SFX COMMENT	(S) SMOKE PRODUCTION	(D) FLAMING DROPLETS	(A) SMOKE ACIDITY
Reaction to Fire BS EN ISO 1716			SUBCLASSIFICATIONS FOR EUROCLASSES B _{ca} to D _{ca}		
A_{ca}	Does not contribute to the fire	Due to availability, it will be almost impossible for a cable to meet A _{ca} , so they should only be specified with extreme caution.			
Reaction to Fire BS EN 50399			BS EN 50399/BS EN 61034-2	BS EN 50399	BS EN 60754-2
B1_{ca}	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1 _{ca} .	s1a: s1 + transmittance >=80% (BS EN 61034-2)	d0: No fall of droplets or flaming particles, times for 1200 seconds	a1: Very low acidity (conductivity <2.5 μS/mm & pH >4.3)
B2_{ca}	Combustible, low flame spread & heat release contribution to the fire	Similar to Class C _{ca} , 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	a2: low acidity (conductivity <10 μS/mm & pH >4.3)
C_{ca}	Combustible, moderate flame spread & heat release	This is a more rigorous test than Class D _{ca} , this is widely accepted across Europe as the 'go to' classification, but be aware, many cables do not meet Class C _{ca} though availability is improving.	s1: Low production of slow propagation of smoke		
D_{ca}	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 s3: None of the above	d2: None of the above	d2: None of the above
Reaction to Fire BS EN 60332-1-2			Visit us online: www.securiflex.co.uk The Trusted Cable Brand		
E_{ca}	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.	Classes A to E have to be tested by an independent authorised laboratory. Most cables will fall into classes B2 _{ca} to E _{ca} . For a cable to meet A _{ca} , B1 _{ca} , B2 _{ca} or C _{ca} , there also needs to be regular on-going factory audits.		
F_{ca}	Combustible, fire spread of more than 425mm	Cables classified to Class F _{ca} 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.			

OUR OPERATING TEMPERATURE RANGE GUIDE



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