

6 Core Type 1 LSZH Alarm Cable

**ADI
PRO**

PRODUCT OVERVIEW

6 core Type 1 tinned copper alarm cable with LSZH insulation and LSZH outer sheath in white.

Each cable consists of 6 colour coded LSZH insulated conductors. These together with a nylon ripcord are jacketed in Low Smoke Zero Halogen material.

Type 1 alarm cable is designed for use within intruder alarm, security systems and other low voltage circuits.



ADI/6CT1LSZHWH100

FEATURES

6 cores Type 1 alarm cable with Low Smoke Zero Halogen insulated conductors and outer sheath.

Tinned copper conductors

100 metre reel

White RAL 9003

Reaction for Fire Rating - Eca (CPR Rating)

Rip cord for ease of stripping outer sheath

Manufactured in accordance with BS4737-3.30:2015

Sequential reverse metre markings (100-0)

Rated Voltage 50v

Supports interconnection of intruder alarm installations

Warranty 10 Years



For more information contact your ADI sales person
or visit us at www.adiglobal.com

Rev: Aug 23

**UK
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CE



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CROSS-SECTION DIAGRAM



PRODUCT SPECIFICATIONS

Conductor Diameter: 0.55

Inner Conductor $0.182 \pm 0.008 \times 7$

Overall Cable Diameter (mm): 4.00 ± 0.20

Insulation: LSZH

Insulation Thickness (mm): 0.22

Insulation Diameter (mm): 1.00 ± 0.10

Insulation Colour(s): Red, Black, Blue, Yellow, Green, White

Nylon Rip-Cord: Green

Jacket: LSZH

Jacket Thickness (mm): 0.50

Rated Temperature : -40 - +70°C

Warranty 10 Years

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CONSTRUCTION PRODUCT REGULATIONS (CPR)

EURO CLASS (ca:cable)	CLASSIFICATION CRITERIA		CPR Description	CPR GUIDE		
	FIRE RATING			(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	d2: None of the above	d2: None of the above
Reaction to Fire BS EN 60332-1-2						
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.	s3: None of the above		
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.			

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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.



This product is rated CPR Euroclass E_{ca} for its reaction to fire

This product should only be installed, by a qualified installer, adhering to local wiring regulations relevant to the application. It is the responsibility of the installer to ensure that the CPR Class installed meets the requirements for the application in their country.

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CONSTRUCTION PRODUCT REGULATION EURO CLASSES



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