Speaker Cable 2 Core Purple LSZH

PRODUCT OVERVIEW

Introducing our collection of LSZH Bare Copper Speaker cables, renowned for their outstanding performance and superior quality.

Choose from options featuring either 2 or 4 cores to suit your specific audio needs. With LSZH (Low Smoke Zero Halogen) properties, these cables offer enhanced safety in case of fire. Experience pristine sound quality and reliability with our LSZH Bare Copper Speaker cables.

ADI-SPKPRO2C14LSZHPUR100

FEATURES

For premium, high-quality domestic sound installations designed to deliver exceptional audio performance in luxury homes.

- Bare copper conductors
- 100 metre reels
- Purple RAL 4005
- Reaction for Fire Rating - Eca (CPR Rating)
- Manufactured and tested to CE2014/30/EU, RoHS2 2011/65/EU
- Secure Sound 2C 14AWG Speaker LSZH RoHS2 (PO) (m)
- Sequential reverse metre markings (100-0)
- 14 American Wire Gauge (AWG)
- 10 Year Warranty

For more information contact your ADI sales person

Rev: v1 November 24

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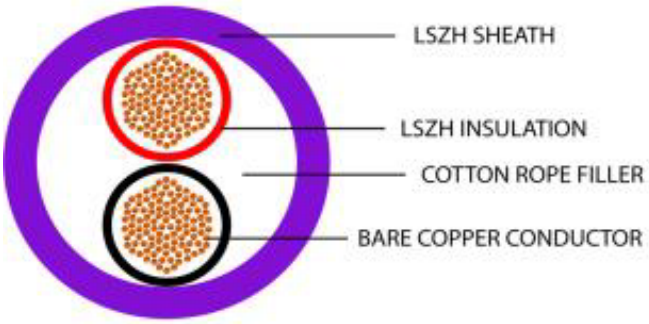
CROSS-SECTION DIAGRAM



PRODUCT SPECIFICATIONS

Conductor: Oxygen Free Copper

Conductor Size: AWG 14

Overall Diameter (mm): 7.20 ± 0.10

Impedance (1-100Mhz): 100Ω ± 15Ω

Insulation: LSZH

Insulation Thickness (mm): 0.46

Insulation Diameter (mm): 2.80 ± 0.10

Insulation Colour(s): Red,Black

Jacket: LSZH

Jacket Thickness (mm): 0.80 ± 0.01

Rated Temperature: -40°C to 70°C

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CONSTRUCTION PRODUCTS REGUALTIONS (CPR)

EURO CLASS (ca:cable)	CLASSIFICATION CRITERIA: FIRE RATING	CPR Description
Reaction to Fire BS EN ISO 1716		
A_{ca}	Does not contribute to the fire	Due to availability, it will be almost impossible for a cable to meet Aca, so they should only be specified with extreme caution.
Reaction to Fire BS EN 50399		
$B1_{ca}$	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1ca.
$B2_{ca}$	Combustible, low flame spread & heat release contribution to the fire	Similar to Class Cca, although a lower acceptable heat release rate and burn measurement. In practice, this is likely to be the highest class cables will meet.
C_{ca}	Combustible, moderate flame spread & heat release	This is a more rigorous test than Class Dca, this is widely accepted across Europe as the 'go to' classification, but be aware, many cables do not meet Class Cca though availability is improving.
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.
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.
F_{ca}	Combustible, fire spread of more than 425mm	Cables classified to Class Fca 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.

CPR GUIDE

SUBCLASSIFICATIONS FOR EUROCLASSES Bca to Dca

(S) SMOKE PRODUCTION	(D) FLAMING DROPLETS	(A) SMOKE ACIDITY
BS EN 50399/BS EN 61034-2	BS EN 50399	BS EN 60754-2
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)
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)
s1: Low production of slow propagation of smoke		
s2: Intermediate production & propagation of smoke		
s3: None of the above	d2: None of the above	d2: None of the above

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Classes A to E have to be tested by an independent authorised laboratory. Most cables will fall into classes B2ca to Eca.

For a cable to meet Aca, B1ca, B2ca or Cca, there also needs to be regular on-going factory audits.

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