

Cat6a S/FTP Purple LSZH Cable



PRODUCT OVERVIEW

Solid conductor 4 pair Cat6a S/FTP (Over braid screen, each pair individually screened) cable with LSZH Purple outer sheath.

Each cable consists of 8 colour coded high density polyethylene insulated conductors. These are twisted together to form 4 pairs with varying lay lengths. These pairs, together with a strong nylon rip cord are jacketed in LSZH material.



ADIC6ASFTPLSZDP500

FEATURES

Cat6a 4 pair LSZH solid cable with 8 colour coded high density polyethylene insulated conductors

23 AWG Bare copper conductors

500 metre reel

Purple RAL 4005

Reaction for Fire Rating - Dca s1, a1, d1 (CPR Rating)

Rip cord for ease of stripping outer sheath

Manufactured and tested to ISO/IEC 11801, ANSI/TIA 568-C.2 standards.

Sequential reverse metre markings (305-0)

S/FTP overall screening and foil screen per pair

Supports Gigabit Ethernet

10 Year Warranty

Feature	Value
Fire Rating	Dca s1, a1, d1
Low Smoke Production	Yes
Low Halogen	Yes
RoHS Compliant	Yes
Lead Free	Yes
RoHS Compliant	Yes
RoHS Compliant	Yes
RoHS Compliant	Yes

Visit us online: www.adiglobal.com

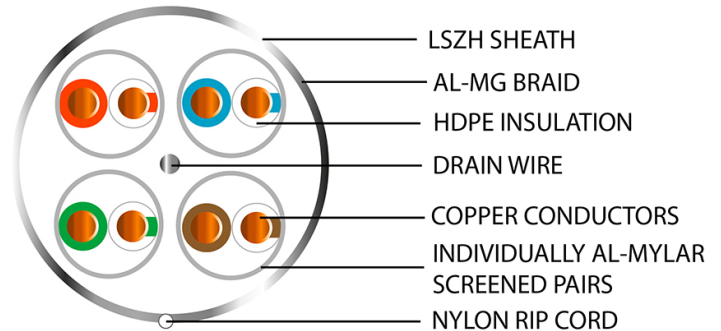
For more information contact your ADI sales person or visit us at www.adiglobal.com

Rev: v1 May 23



Cat6a S/FTP Purple LSZH Cable

CROSS-SECTION DIAGRAM



PRODUCT SPECIFICATIONS

Conductor: Bare Copper

Conductor Size: AWG 23

Overall Cable Diameter (mm): 6.80

Impedance (1-100Mhz): $100\Omega \pm 15\Omega$

Insulation: HDPE

Insulation Diameter (mm): 1.30 ± 0.05

Insulation Colour(s): Blue/White/Blue; Orange/White/Orange; Green/White/Green ;Brown/White/Brown

Nylon Rip-Cord: White 210D

Jacket: LSZH

Jacket Thickness (mm): 0.55

Rated Temperature: -40 - +70°C

Overall Screening: Braiding

Conductor Screening: Foil

ADIC6ASFTPLSZDP500

Rev: v1 May 23

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



Cat6a S/FTP Purple LSZH Cable



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.	(S) SMOKE PRODUCTION	(D) FLAMING DROPLETS	(A) SMOKE ACIDITY
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	d2: None of the above	d2: None of the above
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		
Reaction to Fire BS EN 60332-1-2				Visit us online: www.adiglobal.com		
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.	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 D_{ca} s2, a1, d2 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.

ADIC6ASFTPLSZDP500

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



CONSTRUCTION PRODUCT REGULATION EURO CLASSES



Visit us online:
www.adiglobal.com

Rev: v1 May 23

