

**TITLE:**

Cat6 4pr UTP

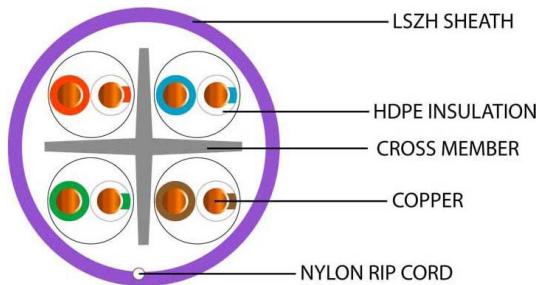
CODE:

SFX/C6-UTP-LSZH-PUR-305

DESCRIPTION:305m Category 6, 4pr UTP Purple LSZH
HDBaseT Certified**SUPPLIED AS:**

Reel of 305m

- Capable of 1000mbps transfer speed or 250mhz frequency at a maximum distance of 90 meters
- Unscreened cables are thinner, more flexible and less expensive so are suited to building LANS and telecoms applications
- 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
- Comes in a variety of colours
- Improved performance and protection against fire
- Supplied in an easy pull box

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Product Specification

Cable Construction

CPR	Eca
Conductor	Bare Copper
Conductor Diameter (mm)	0.53 ±0.01
Overall Diameter (mm)	6.10 ±0.03

Insulation

Insulation	HDPE
Insulation Colour	Blue/White/Blue;Orange/White/Orange;Green/White/Green;Brown/White/Brown
Insulation Thickness (mm)	0.18

Outer/Jacket Specification

Jacket	LSZH
Overall Colour	Purple
Overall Diameter (mm)	6.10 ±0.03
Jacket Colour	Purple RAL 4005
Jacket Thickness (mm)	0.55 ±0.03
Nylon Rip-Cord	White 210D

Electrical Characteristics

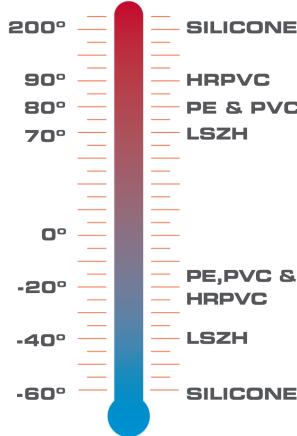
Max Conductor DC resistance @ 20°C	<950/km
Rated Temperature (°C)	-40°C to 70°C



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**MORE INFORMATION:**

EURO CLASS (ca:cable)	CLASSIFICATION CRITERIA		CPR GUIDE	Securi-Flex®		
	FIRE RATING	SFX COMMENT				
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.	(S) SMOKE PRODUCTION	(D) FLAMING DROPLETS		
B1_{ca}	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1ca.	(A) SMOKE ACIDITY	BS EN 60754-2		
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.	BS EN 50399/BS EN 61034-2	BS EN 50399		
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.	s1a: s1 + transmittance >=80% (BS EN 61034-2)	a1: Very low acidity (conductivity <2.5 μ S/mm & pH >4.3)		
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.	s1b: s1 + transmittance >=60% <80% (BS EN 61034-2)	d0: No fall of droplets or flaming particles, times for 1200 seconds		
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.	s1: Low production of slow propagation of smoke	d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds		
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.	s2: Intermediate production & propagation of smoke	a2: low acidity (conductivity <10 μ S/mm & pH >4.3)		
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	d2: None of the above		
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.	Visit us online: www.securiflex.co.uk			
BS EN 60332-1-2						
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.						

OUR OPERATING TEMPERATURE RANGE GUIDE

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