



NETWORK CABLE

Securi-Flex®

Network cable

TITLE:

Cat6 4pr F/UTP SWA LSZH

CODE:

SFX/C6-F-UTP-SWA-LSZH-BLK-1

DESCRIPTION:

1m (per metre) Category 6 4pr F-UTP
SWA Black LSZH

SUPPLIED AS:

Per 1m Lengths

- Capable of 1000mbps transfer speed or 250mhz frequency at a maximum distance of 90 meters
- Screened for use where RF or Power equipment may produce electromagnetic interference. This is also a security measure should eavesdropping be apparent.
- 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
- Provides mechanical protection against cable being pinched or pierced



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TERMS AND CONDITIONS APPLY - WHILE EVERY EFFORT HAS BEEN MADE TO ENSURE THE ACCURACY AND COMPLETENESS OF THE INFORMATION, NO GUARANTEE IS GIVEN NOR RESPONSIBILITY TAKEN FOR ERRORS OR OMISSIONS IN THIS DATA SHEET.



Product Specification



Cable Construction

CPR	Fca
Conductor	Bare Copper
Conductor Diameter (mm)	0.54 ±0.020
Overall Diameter (mm)	11.20 ±0.20

Insulation

Insulation	HDPE
Insulation Colour	Blue/White/Blue;Orange/White/Orange;Green/White/Green;Brown/White/Brown
Insulation Thickness (mm)	0.26

Outer/Jacket Specification

Outer Jacket	LSZH
Inner Jacket	LSZH
Inner Jacket Colour	Grey RAL 7004
Inner Jacket Diameter (mm)	7.80 ±0.20
Inner Jacket Thickness (mm)	0.80 ±0.10
Overall Colour	Black
Overall Diameter (mm)	11.20 ±0.20
Jacket Colour	Black RAL 9005

Electrical Characteristics

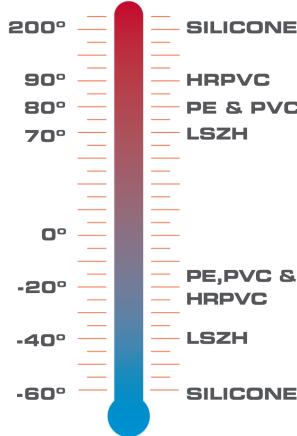
Max Conductor DC resistance @ 20°C	<102.40Ω/km
Rated Temperature (°C)	-40°C to 70°C



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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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