

**TITLE:**

Cat8.1 4pr S/FTP

**CODE:**

SFX/C8.1-S-FTP-LSZH-GRN-100

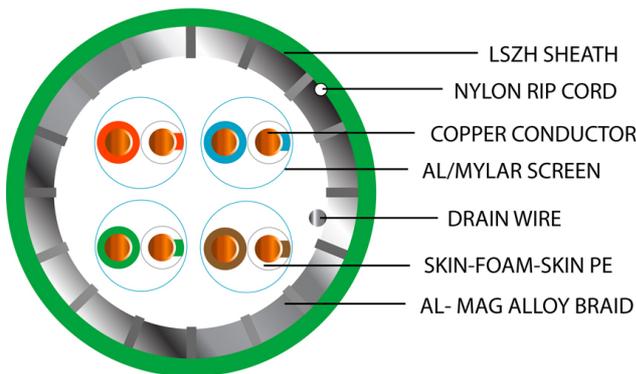
**DESCRIPTION:**

100m Category 8.1, 4pr S/FTP Green LSZH

**SUPPLIED AS:**

Reel of 100m

- Capable of 40Gb transfer speed or 2000mhz frequency at a maximum distance of 30 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
- Improved performance and protection against fire
- Improved performance and protection against fire



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## Product Specification



### Cable Construction

CPR	Dca -s:1b -a:1 -d:2
Conductor	Bare Copper
Conductor Diameter (mm)	0.596 ±0.005
Overall Diameter (mm)	8.00 ±0.50

### Insulation

Insulation	Skin-Foam-Skin PE
Insulation Colour	Blue/White/Blue;Orange/White/Orange;Green/White/Green;Brown/White/Brown
Insulation Thickness (mm)	0.44

### Outer/Jacket Specification

Jacket	LSZH
Overall Colour	Green
Overall Diameter (mm)	8.00 ±0.50
Jacket Colour	Green RAL 6018
Jacket Thickness (mm)	0.55 ±0.05
Nylon Rip-Cord	White 210D

### Electrical Characteristics

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



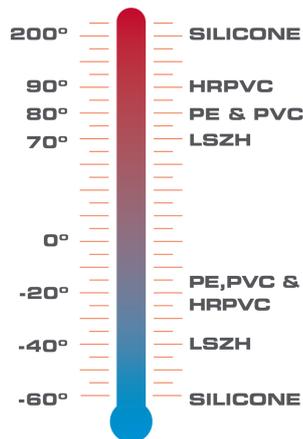
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## MORE INFORMATION:

EURO CLASS (ca: cable)	CLASSIFICATION CRITERIA		CPR GUIDE	Securi-Flex®	
	FIRE RATING	SFX COMMENT			
Reaction to Fire BS EN ISO 1716			SUBCLASSIFICATIONS FOR EUROCLASSES B <sub>ca</sub> to D <sub>ca</sub>		
<b>A<sub>ca</sub></b>	Does not contribute to the fire	Due to availability, it will be almost impossible for a cable to meet A <sub>ca</sub> , so they should only be specified with extreme caution.	<b>(S) SMOKE PRODUCTION</b>	<b>(D) FLAMING DROPLETS</b>	<b>(A) SMOKE ACIDITY</b>
Reaction to Fire BS EN 50399			BS EN 50399/BS EN 61034-2	BS EN 50399	BS EN 60754-2
<b>B1<sub>ca</sub></b>	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1 <sub>ca</sub> .	s1a: s1 + transmittance >=80% (BS EN 61034-2) s1b: s1 + transmittance >=60% <80% (BS EN 61034-2) s1: Low production of slow propagation of smoke s2: Intermediate production & propagation of smoke s3: None of the above	d0: No fall of droplets or flaming particles, times for 1200 seconds  d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds  d2: None of the above	a1: Very low acidity (conductivity <2.5 μS/mm & pH >4.3)  a2: low acidity (conductivity <10 μS/mm & pH >4.3)  d2: None of the above
<b>B2<sub>ca</sub></b>	Combustible, low flame spread & heat release contribution to the fire	Similar to Class C <sub>ca</sub> , although a lower acceptable heat release rate and burn measurement. In practice, this is likely to be the highest class cables will meet.			
<b>C<sub>ca</sub></b>	Combustible, moderate flame spread & heat release	This is a more rigorous test than Class D <sub>ca</sub> , this is widely accepted across Europe as the 'go to' classification, but be aware, many cables do not meet Class C <sub>ca</sub> though availability is improving.			
<b>D<sub>ca</sub></b>	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			<b>Visit us online:</b> <a href="http://www.securiflex.co.uk">www.securiflex.co.uk</a> The Trusted Cable Brand		
<b>E<sub>ca</sub></b>	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.	Classes A to E have to be tested by an independent authorised laboratory. Most cables will fall into classes B2 <sub>ca</sub> to E <sub>ca</sub> . For a cable to meet A <sub>ca</sub> , B1 <sub>ca</sub> , B2 <sub>ca</sub> or C <sub>ca</sub> , there also needs to be regular on-going factory audits.		
<b>F<sub>ca</sub></b>	Combustible, fire spread of more than 425mm	Cables classified to Class F <sub>ca</sub> 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.			

## OUR OPERATING TEMPERATURE RANGE GUIDE



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