

**TITLE:**

Alarm TCCA Type 3 Screened LSF

**CODE:**

SFX/6C-TY3-SCR-LSF-WHT-100

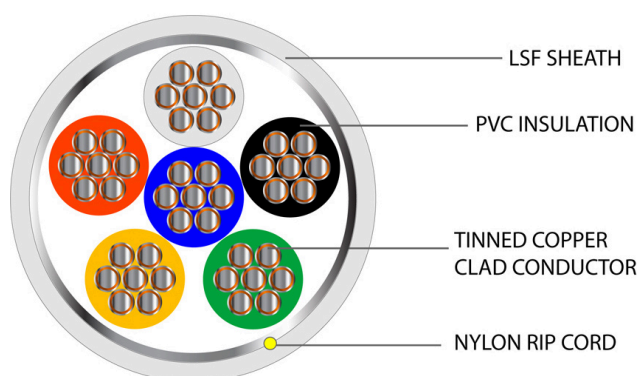
**DESCRIPTION:**

100m 6 Core TCCA Type 3 Alarm  
Screened White LSF

**SUPPLIED AS:**

Reel of 100m

- Generally used for connecting alarm equipment such as sensors, control panels and other low voltage circuits
- This cable is ROHS compliant
- Low smoke and fume plastic is good for use inside public buildings and spaces as will not emit toxic gases if the cable catches fire
- This is the most popular and cost effective cable for general intruder alarm solutions
- Improved performance and protection against fire





# Product Specification



## Cable Construction

|                          |                                    |
|--------------------------|------------------------------------|
| Cable Construction       | 6 Cores                            |
| CPR                      | Eca                                |
| Conductor                | Tinned Copper Clad Aluminium       |
| Conductor Diameter (mm)  | 0.20 ±0.008 x 7                    |
| Stranded Diameter (mm)   | 0.22                               |
| Overall Diameter (mm)    | 4.40 ±0.200                        |
| Compliance and Standards | BS4737-3.30:2015, RoHS2 2011/65/EU |

## Insulation

|                             |                                        |
|-----------------------------|----------------------------------------|
| Insulation                  | PVC                                    |
| Insulation Colour           | Red, Black, Blue, Yellow, Green, White |
| Insulation Resistance @20°C | >200 MO/km                             |
| Insulation Thickness (mm)   | 0.21                                   |

## Outer/Jacket Specification

|                       |                |
|-----------------------|----------------|
| Outer Jacket          | LSF            |
| Outer Jacket Colour   | White RAL 9003 |
| Inner Jacket          | PVC            |
| Jacket                | LSF            |
| Overall Colour        | White          |
| Overall Diameter (mm) | 4.40 ±0.200    |
| Jacket Colour         | White RAL 9003 |
| Jacket Thickness (mm) | 0.5            |
| Nylon Rip-Cord        | Yellow 210D    |

## Electrical Characteristics

|                                    |               |
|------------------------------------|---------------|
| Insulation Resistance @20°C        | >200 MO/km    |
| Max Conductor DC resistance @ 20°C | 155Ω/km       |
| Rated Temperature (°C)             | -20°C to 80°C |
| Rated Voltage (V)                  | 30V           |

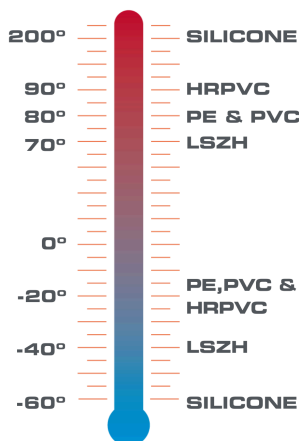




## MORE INFORMATION:

CPR replaced the Construction Products Directive and was incorporated into UK law following Brexit. It determines the harmonised rules for all construction products and gives a common technical language for the performance of all construction products. It is mandatory for a manufacturer to apply the CE mark to their products together with the Euroclass rating (CPR classification). Eca Euroclass and above requires 3rd party testing by a notified body (CE), and approved body (UKCA). CPR has been in place since the 1st of July 2017 and it will be mandatory for manufacturers to apply the UKCA mark to all products after the 31st of December 2025 for sale in the UK

## OUR OPERATING TEMPERATURE RANGE GUIDE



Securi-Flex®

| EURO CLASS<br>(ca:cable)         | CLASSIFICATION CRITERIA                                               |                                                                                                                                                                                                                              | CPR GUIDE                                                                                                                                                                                                                                                                                                 |                                                                                                         |                                                          |
|----------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
|                                  | FIRE RATING                                                           | SFX COMMENT                                                                                                                                                                                                                  | Securi-Flex®                                                                                                                                                                                                                                                                                              |                                                                                                         |                                                          |
| 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)                                                                                                                                                                                                                                                             | d0: No fall of droplets or flaming particles, times for 1200 seconds                                    | a1: Very low acidity (conductivity <2.5 μS/mm & pH >4.3) |
| <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.                                                 | 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)       |
| <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. | s1: Low production of slow propagation of smoke<br>s2: Intermediate production & propagation of smoke<br>s3: None of the above                                                                                                                                                                            | d2: None of the above                                                                                   | d2: None of the above                                    |
| <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 |                                                                       |                                                                                                                                                                                                                              | Visit us online: <a href="http://www.securiflex.co.uk">www.securiflex.co.uk</a>                                                                                                                                                                                                                           |                                                                                                         |                                                          |
| <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.                                          | <b>SFX®</b> The Trusted Cable Brand                                                                                                                                                                                                                                                                       |                                                                                                         |                                                          |
| <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.              | 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. |                                                                                                         |                                                          |

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