

**TITLE:**

Alarm Type 2 Copper Direct Burial

**CODE:**

SFX/12C-TY2-DB-BLK-1

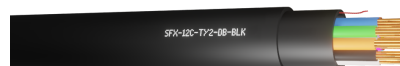
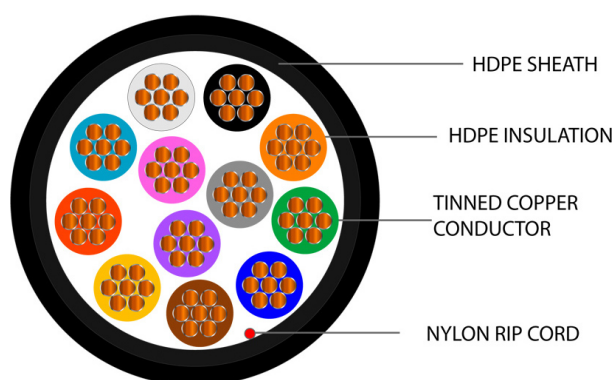
**DESCRIPTION:**

1m (per metre) 12 Core Type 2 Alarm  
Direct Burial Black HDPE

**SUPPLIED AS:**

Per 1m Lengths

- Generally used for connecting alarm equipment such as sensors, control panels and other low voltage circuits
- This cable is ROHS compliant
- High density polyethylene is the most environmentally stable plastic
- A premium alarm cable conforming to BS4737
- An outdoor rated cable designed to be buried under ground without a need for conduit or ducting



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## Product Specification

25-YEAR WARRANTY

### Cable Construction

Cable Construction	12 Cores
CPR	Fca
Conductor	Tinned Copper
Conductor Diameter (mm)	0.19 ±0.008 x 7
Stranded Diameter (mm)	0.22
Overall Diameter (mm)	5.40 ±0.200
Compliance and Standards	BS4737-3.30:2015,RoHS2 2011/65/EU

### Insulation

Insulation	HDPE
Insulation Colour	Red,Black,Blue,Yellow,Green,White,Orange,Brown,Turquoise,Pink,Violet,Grey
Insulation Resistance @20°C	>200 MO/km
Insulation Thickness (mm)	0.21

### Outer/Jacket Specification

Outer Jacket	HDPE
Outer Jacket Colour	Black RAL 9005
Inner Jacket	HDPE
Inner Jacket Colour	Black RAL 9005
Inner Jacket Diameter (mm)	5.40 ±0.100
Inner Jacket Thickness (mm)	0.6
Overall Colour	Black
Overall Diameter (mm)	5.40 ±0.200
Jacket Colour	Black RAL 9005
Nylon Rip-Cord	Red 210D

### Electrical Characteristics

Insulation Resistance @20°C	>200 MO/km
Max Conductor DC resistance @ 20°C	100O/km
Rated Temperature (°C)	-20°C to 80°C
Rated Voltage (V)	30V



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## MORE INFORMATION:

EURO CLASS (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
<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)	a1: Very low acidity (conductivity <2.5 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	d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds
<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.	s2: Intermediate production & propagation of smoke	a2: low acidity (conductivity <10 μS/mm & pH >4.3)
			s3: None of the above	d2: None of the above
Reaction to Fire BS EN 60332-1-2			Visit us online: <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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