

**TITLE:**

Alarm TCCA Type 3 Direct Burial

CODE:

SFX/6C-TY3-DB-BLK-1

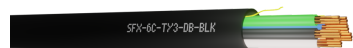
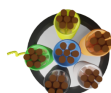
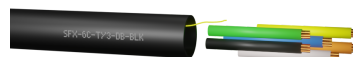
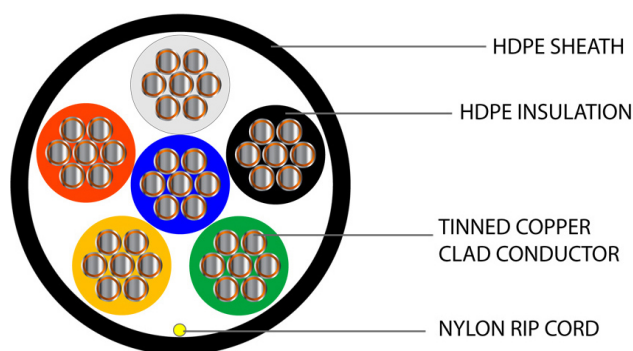
DESCRIPTION:

1m (per metre) 6 Core TCCA Type 3
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
- This is the most popular and cost effective cable for general intruder alarm solutions
- 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	6 Cores
CPR	Fca
Conductor	Tinned Copper Clad Aluminium
Conductor Diameter (mm)	0.20 ±0.008 x 7
Stranded Diameter (mm)	0.22
Overall Diameter (mm)	4.00 ±0.200
Compliance and Standards	BS4737-3.30:2015,RoHS2 2011/65/EU

Insulation

Insulation	HDPE
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	HDPE
Outer Jacket Colour	Black RAL 9005
Inner Jacket	HDPE
Inner Jacket Colour	Black RAL 9005
Inner Jacket Diameter (mm)	4.00 ±0.100
Inner Jacket Thickness (mm)	0.6
Jacket	PE
Overall Colour	Black
Overall Diameter (mm)	4.00 ±0.200
Jacket Colour	Black RAL 9005
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	155O/km
Rated Temperature (°C)	-20°C to 80°C
Rated Voltage (V)	30V

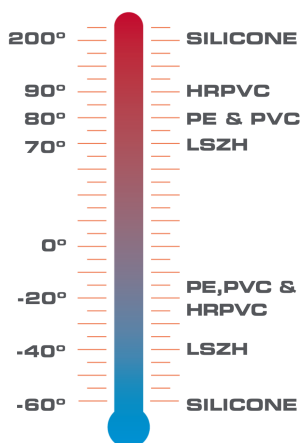
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MORE INFORMATION:

CLASSIFICATION CRITERIA			CPR GUIDE		Securi-Flex®	
EURO CLASS (ca:cable)	FIRE RATING 	SFX COMMENT				
Reaction to Fire BS EN ISO 1716			SUBCLASSIFICATIONS FOR EUROCLASSES B _{ca} to D _{ca}			
A _{ca}	Does not contribute to the fire	Due to availability, it will be almost impossible for a cable to meet A _{ca} , so they should only be specified with extreme caution.	(S) SMOKE PRODUCTION 	(D) FLAMING DROPLETS 	(A) SMOKE ACIDITY 	
Reaction to Fire BS EN 50399			BS EN 50399/BS EN 61034-2	BS EN 50399	BS EN 60754-2	
B1 _{ca}	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1 _{ca} .	 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	
B2 _{ca}	Combustible, low flame spread & heat release contribution to the fire	Similar to Class C _{ca} , although a lower acceptable heat release rate and burn measurement. In practice, this is likely to be the highest class cables will meet.				
C _{ca}	Combustible, moderate flame spread & heat release	This is a more rigorous test than Class D _{ca} , this is widely accepted across Europe as the 'go to' classification, but be aware, many cables do not meet Class C _{ca} though availability is improving.				
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.				
Reaction to Fire BS EN 60332-1-2			Visit us online: www.securiflex.co.uk			
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.	The Trusted Cable Brand			
F _{ca}	Combustible, fire spread of more than 425mm	Cables classified to Class F _{ca} 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 _{ca} to E _{ca} . For a cable to meet A _{ca} , B1 _{ca} , B2 _{ca} or C _{ca} , there also needs to be regular on-going factory audits.			

OUR OPERATING TEMPERATURE RANGE GUIDE



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