

## **COAX CABLE**



#### TITLE:

SFX100 Coaxial

#### CODE:

SFX/100-STD-PVC-BLK-100

#### **DESCRIPTION:**

100m SFX100 Coaxial Standard Black **PVC** 

#### SUPPLIED AS:

Reel of 100m

- High frequency, low loss cable, designed to carry CCTV, TV and Satellite Signals
- · Manufactured with gas injected foam granting the cable a much better mechanical, electrical and ageing performance compared to a solid PE dielectric
- Polyvinyl chloride plastic has excellent aging properties and will usually exceed a 25-30 year service life
- This family of cable contains both a foil and braided screen, enhancing performance and reducing interference
- Improved performance and protection against fire

















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# Product Specification



#### **Cable Construction**

CPR	Eca
Conductor Diameter (mm)	1.02 ±0.01
Inner Conductor	Copper Clad Steel
Overall Diameter (mm)	6.60 ±0.20
Compliance and Standards	CE2014/30/EU,RoHS2 2011/65/EU,LVD 2014/35/EU

#### Insulation

Insulation	Foamed PE
Insulation Colour	White
Insulation Thickness (mm)	1.79 ±0.01

#### **Outer/Jacket Specification**

Jacket	PVC	
Overall Colour	Black	
Overall Diameter (mm)	6.60 ±0.20	
Jacket Colour	Black RAL 9005	
Jacket Thickness (mm)	1.23	

#### **Electrical Characteristics**

Outer Conductor DC resistance @ 20°C	<450/km
Rated Temperature (°C)	-20°C to 80°C























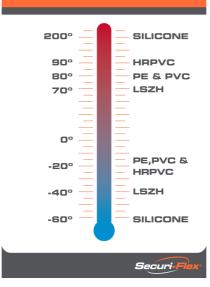
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### **MORE INFORMATION:**

CLASSIFICATION CRITERIA					
CLASS (ca:cable)	FIRE RATING	SFX COMMENT	CPR GUII	DE <i>Se</i> c	curi-Flex®
Reaction to Fir	e BS EN ISO 1716		SUBCLASSIFICATIONS	S FOR EUROCLASSES	S Bca to Dca
A <sub>ca</sub>	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	(A) SMOKE ACIDITY
Reaction to Fir	e BS EN 50399		BS EN 50399/BS EN 61034-2	BS EN 50399	BS EN 60754-2
B1 <sub>ca</sub>	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1ca.	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)
B2 <sub>ca</sub>	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.	s1b: s1 + transmittance >=60% <80% (BS EN 61034-2)	d1: Fall of droplets or	a2: low acidity
Cca	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.	s1: Low production of slow propagation of smoke s2: Intermediate	flaming particles that persist for less than 10 seconds, timed for 1200 seconds	(conductivity <10 µS/mm & pH >4.3)
D <sub>ca</sub>	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.	production & propagation of smoke s3: None of the above	d2: None of the above	d2: None of the above
Reaction to Fir	e BS EN 60332-1-2				
E <sub>ca</sub>	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.	Visit us onlin www.securiflex		The Trusted Cable Brand
F <sub>ca</sub>	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.	Classes A to E have to be teste Most cables will fall into classes For a cable to meet Aca, B1ca, factory audits.	B2ca to Eca.	, and the second

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