

## **COAX CABLE**



#### TITLE:

SFX63 Coaxial Twin Premium PVC

#### CODE:

SFX/63-TWIN-PREM-PVC-WHT-100

#### **DESCRIPTION:**

100m SFX63 Coaxial Twin Premium White **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



































# **Product Specification**



#### **Cable Construction**

Cable Construction	Twin cables in shotgun configuration		
CPR	Eca		
Conductor Diameter (mm)	0.65 ±0.03		
Inner Conductor	Copper		
Overall Diameter (mm)	4.75 ±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)	1.15 ±0.01	

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

Jacket	PVC
Overall Colour	White
Overall Diameter (mm)	4.75 ±0.20
Jacket Colour	White RAL 9003
Jacket Thickness (mm)	0.75 ±0.10

#### **Electrical Characteristics**

Outer Conductor DC resistance @ 20°C	<45O/km
Rated Temperature (°C)	-20°C to 80°C
Impedance	75O ±3O
Capacitance	>56nF/km























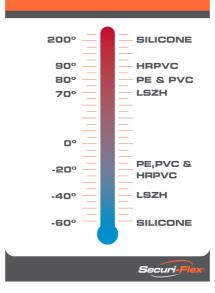
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### **MORE INFORMATION:**

EURO	CLASSIFICATION CRITERIA							
CLASS FIRE (ca:cable) RATING		SFX COMMENT		CPR GUII	E Sec	Securi-Flex		
Reaction to Fire BS EN ISO 1716			SUBCLASSIFICATIONS FOR EUROCLASSES Boa to Doa					
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.		SMOKE RODUCTION		D) FLAMING DROPLETS		A) SMOKE CIDITY
Reaction to Fire BS EN 50399		BS	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 uS/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 flaming particles that persist for less than 10 seconds, timed for 1200 seconds		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				(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			K	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 tested by an independent authorised laboratory.  Most cables will fall into classes B2ca to Eca.  For a cable to meet Aca, B1ca, B2ca or Cca, there also needs to be regular on-going factory audits.				,	

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