

**TITLE:**

RG59 + Power Cable (Shotgun Cable)

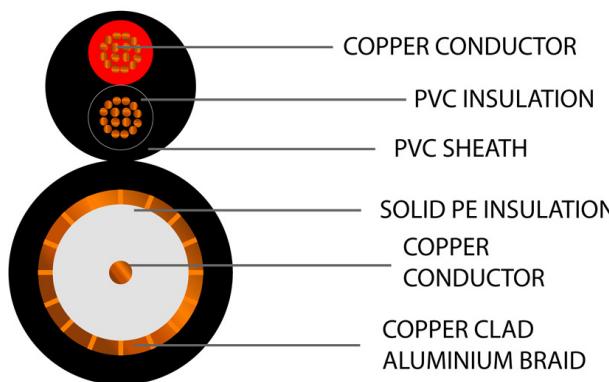
**CODE:**

SFX/59+2C-0.5-PREM-PVC-BLK-1

**DESCRIPTION:**1m (per metre) RG59 Coaxial + 2 Power  
Cores 0.5mm Premium Black PVC**SUPPLIED AS:**

Per 1m Lengths

- Even with the introduction of IP cameras, coax is still a preferred choice for many installers in the security industry
- Coax is a simple solution that does not require any additional products such as baluns to create an image
- Polyvinyl chloride plastic has excellent aging properties and will usually exceed a 25-30 year service life
- Ideal for powering cameras remotely and controlling Power, Tilt and Zoom functions (PTZ Cameras)
- Improved performance and protection against fire

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# Product Specification

## Cable Construction

CPR	Eca
Conductor Diameter (mm)	0.58 ±0.008
Inner Conductor	Bare Copper
Overall Diameter (mm)	6.10 ±0.10
Compliance and Standards	CE2014/30/EU, RoHS2 2011/65/EU, LVD 2014/35/EU

## Insulation

Insulation	Solid PE
Insulation Colour	Clear
Insulation Thickness (mm)	1.60 ±0.01
Insulation 2 Thickness (mm)	0.42 ±0.03

## Outer/Jacket Specification

Jacket	PVC
Overall Colour	Black
Overall Diameter (mm)	6.10 ±0.10
Jacket Colour	Black RAL 9005
Jacket Thickness (mm)	0.85 ±0.10

## Electrical Characteristics

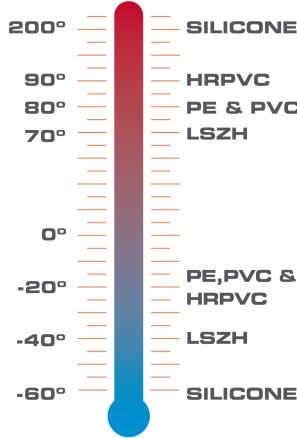
Outer Conductor DC resistance @ 20°C	<420/km
Rated Temperature (°C)	-20°C to 80°C
Impedance	750 ±3Ω
Capacitance	>67nF/km



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**MORE INFORMATION:**

EURO CLASS (ca:cable)	CLASSIFICATION CRITERIA		CPR GUIDE	Securi-Flex®		
	FIRE RATING	SFX COMMENT				
Reaction to Fire BS EN ISO 1716						
<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 Aca, so they should only be specified with extreme caution.	(S) SMOKE PRODUCTION	(D) FLAMING DROPLETS		
<b>B1<sub>ca</sub></b>	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1ca.	(A) SMOKE ACIDITY	BS EN 60754-2		
<b>B2<sub>ca</sub></b>	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.	BS EN 50399/BS EN 61034-2	BS EN 50399		
<b>C<sub>ca</sub></b>	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.	s1a: s1 + transmittance >=80% (BS EN 61034-2)	a1: Very low acidity (conductivity <2.5 $\mu$ S/mm & pH >4.3)		
<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.	s1b: s1 + transmittance >=60% <80% (BS EN 61034-2)	d0: No fall of droplets or flaming particles, times for 1200 seconds		
<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.	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>F<sub>ca</sub></b>	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.	s2: Intermediate production & propagation of smoke	a2: low acidity (conductivity <10 $\mu$ S/mm & pH >4.3)		
Reaction to Fire BS EN 60332-1-2						
<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.	s3: None of the above	d2: None of the above		
<b>F<sub>ca</sub></b>	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.	Visit us online: <a href="http://www.securiflex.co.uk">www.securiflex.co.uk</a>			
BS EN 60332-1-2						
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.						

**OUR OPERATING TEMPERATURE RANGE GUIDE**

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