



TITLE:

RG59 Coaxial Cable

CODE:

SFX/59-SWA-PE-BLK-1

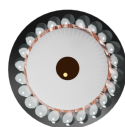
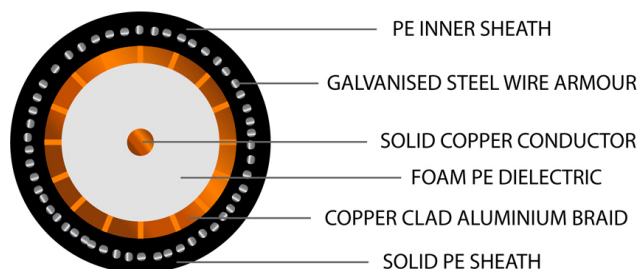
DESCRIPTION:

1m (per metre) RG59 Coaxial SWA Cca
Black PE

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
- Polyethylene plastic is excellent for use externally above ground or below ground inside ducting
- Provides mechanical protection against cable being pinched or pierced
- UV resistant
- Minimal signal degradation





Product Specification



Cable Construction

Cable Construction	19 Strands
CPR	Fca
Conductor	Copper Clad Steel
Conductor Diameter (mm)	0.58 ±0.008
Inner Conductor	Solid Copper
Overall Diameter (mm)	10.30 ±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

Outer/Jacket Specification

Outer Jacket	PE
Outer Jacket Colour	Black RAL 9005
Inner Jacket	PE
Inner Jacket Colour	Black RAL 9005
Inner Jacket Diameter (mm)	6.05 ±0.10
Inner Jacket Thickness (mm)	0.85 ±0.10
Jacket	PE
Overall Colour	Black
Overall Diameter (mm)	10.30 ±0.10
Jacket Colour	Black RAL 9005
Jacket Thickness (mm)	0.85 ±0.10

Electrical Characteristics

Max Conductor DC resistance @ 20°C	<218Ω/km
Outer Conductor DC resistance @ 20°C	<440/km
Rated Temperature (°C)	-40°C to 70°C
Impedance	750 ±30
Capacitance	>67nF/km

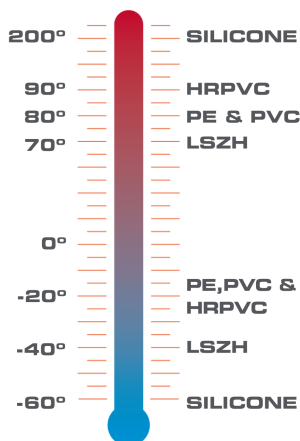
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MORE INFORMATION:

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 _{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
Reaction to Fire BS EN 50399			BS EN 50399/BS EN 61034-2	BS EN 50399
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)	d0: No fall of droplets or flaming particles, times for 1200 seconds
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.	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
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.	s1: Low production of slow propagation of smoke	a1: Very low acidity (conductivity <2.5 μS/mm & pH >4.3)
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.	s2: Intermediate production & propagation of smoke	a2: low acidity (conductivity <10 μS/mm & pH >4.3)
Reaction to Fire BS EN 60332-1-2			s3: None of the above	d2: None of the above
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.	Visit us online: www.securiflex.co.uk 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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