COAX CABLE

Coax cable

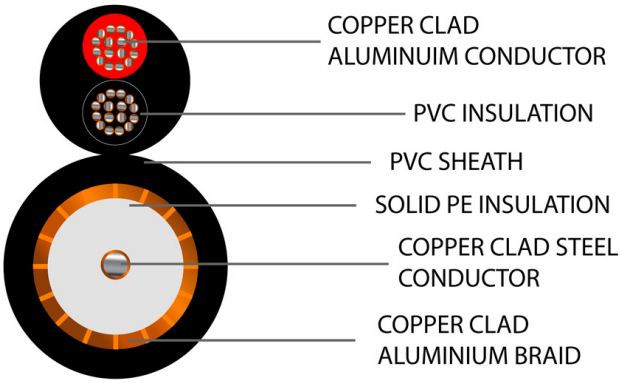
TITLE:
RG59 + Power Cable (Shotgun Cable)

CODE:
SFX/59+2C-0.75-BUDGET-PVC-BLK-100

DESCRIPTION:
100m RG59 Coaxial + 2 Power Cores
0.75mm CCA Budget Black PVC

SUPPLIED AS:
Reel of 100m

- 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
- Suitable for general purpose CCTV applications and high frequency signal transmission



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Product Specification

Cable Construction

CPR	Fca
Conductor Diameter (mm)	0.58 ±0.008
Inner Conductor	Copper Clad Steel
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	<48O/km
Rated Temperature (°C)	-20°C to 80°C
Impedance	75O ±3O
Capacitance	>67nF/km

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MORE INFORMATION:

EURO CLASS (ca:cable)	CLASSIFICATION CRITERIA: FIRE RATING	CLASSIFICATION CRITERIA: SFX COMMENT
Reaction to Fire BS EN ISO 1716		
A_{ca}	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.
Reaction to Fire BS EN 50399		
$B1_{ca}$	Minimum contribution to the fire	It's highly unlikely the commonly-used cables will be classified to Class B1ca.
$B2_{ca}$	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.
C_{ca}	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.
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		
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.
F_{ca}	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.

CPR GUIDE

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SUBCLASSIFICATIONS FOR EUROCLASSES Bca to Dca

(S) SMOKE PRODUCTION	(D) FLAMING DROPLETS	(A) SMOKE ACIDITY
BS EN 50399/BS EN 61034-2	BS EN 50399	BS EN 60754-2
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)
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 (conductivity <10 µS/mm & pH >4.3)
s1: Low production of slow propagation of smoke		
s2: Intermediate production & propagation of smoke		
s3: None of the above	d2: None of the above	d2: None of the above

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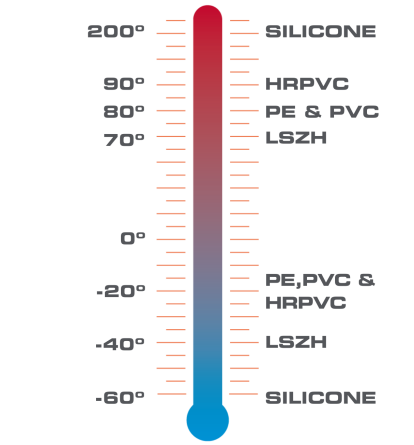
Classes A to E have to be tested by an independent authorised laboratory.
Most cables will fall into classes B2ca to Eca.
For a cable to meet Aca, B1ca, B2ca or Cca, there also needs to be regular on-going factory audits.

OUR OPERATING TEMPERATURE RANGE GUIDE



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