

NETWORK CABLE



TITLE:

Cat5e 4pr UTP

CODE:

SFX/C5-UTP-PE-BLK-100

DESCRIPTION:

100m Category 5e, 4pr UTP Black PE

SUPPLIED AS:

Reel of 100m

- Capable of 100mbps transfer speed or 100mhz frequency at a maximum distance of 90 meters
- Unscreened cables are thinner, more flexible and less expensive so are suited to building LANS and telecoms applications
- Polyethylene plastic is excellent for use externally above ground or below ground inside ducting
- **UV** resistant
- **UV** resistant
- Solid core is the most cost effective and commonly used type of cat5e cable

















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Product Specification



Cable Construction

CPR	Fca
Conductor	Bare Copper
Conductor Diameter (mm)	0.47 ±0.01
Overall Diameter (mm)	4.80 ±0.03

Insulation

Insulation	HDPE
Insulation Colour	Blue/White/Blue;Orange/White/Orange;Green/White/Green;Brown/White/Brown
Insulation Thickness (mm)	0.18

Outer/Jacket Specification

Jacket	PE (UV resistant)
	·
Overall Colour	Black
Overall Diameter (mm)	4.80 ±0.03
Jacket Colour	Black RAL 9005
Jacket Thickness (mm)	0.49 ±0.03
Nylon Rip-Cord	White 210D

Electrical Characteristics

Max Conductor DC resistance @ 20°C	<115O/km
Rated Temperature (°C)	-20°C to 80°C









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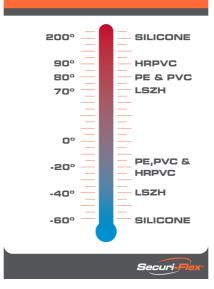
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MORE INFORMATION:

EURO	CLASS	IFICATION CRITERIA		
CLASS (ca:cable)	FIRE RATING	SFX COMMENT	CPR GUIDE Se	curi-Flex°
Reaction to Fir	e BS EN ISO 1716		SUBCLASSIFICATIONS FOR EUROCLASSE	S Bca to Dca
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.	(S) SMOKE (D) FLAMING PRODUCTION 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 _{ca}	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 _{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.	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 _{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.	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 _{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 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 authoris Most cables will fall into classes B2ca to Eca. For a cable to meet Aca, B1ca, B2ca or Cca, there also need factory audits.	*

OUR OPERATING TEMPERATURE RANGE GUIDE











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