



TITLE:

Cat5e 4pr UTP

CODE:

SFX/C5-UTP-DB-BLK-1

DESCRIPTION:

1m (per metre) Category 5e, 4pr UTP
Direct Burial Black HDPE

SUPPLIED AS:

Per 1m Lengths

- 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
- High density polyethelyne is the most environmentally stable plastic
- An outdoor rated cable designed to be buried under ground without a need for conduit or ducting
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- Solid core is the most cost effective and commonly used type of cat5e cable





Product Specification

25-YEAR WARRANTY

Cable Construction

CPR	Fca
Conductor	Bare Copper
Conductor Diameter (mm)	0.47 ±0.02
Overall Diameter (mm)	6.50 ±0.20

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

Outer Jacket	HDPE
Outer Jacket Colour	Black RAL 9005
Inner Jacket	HDPE
Inner Jacket Colour	Black RAL 9005
Inner Jacket Diameter (mm)	5.20 ±0.20
Inner Jacket Thickness (mm)	0.5
Overall Colour	Black
Overall Diameter (mm)	6.50 ±0.20
Jacket Colour	Black RAL 9005
Nylon Rip-Cord	White 210D

Electrical Characteristics

Max Conductor DC resistance @ 20°C	<102.40Ω/km
Rated Temperature (°C)	-20°C to 80°C



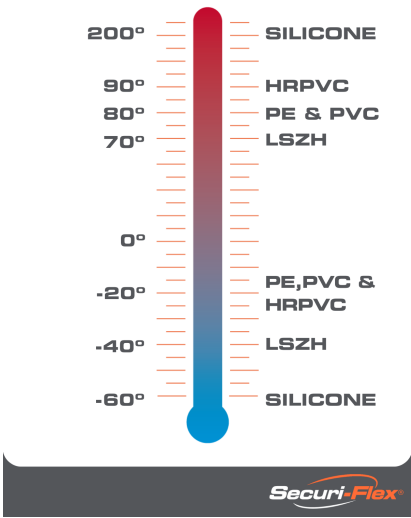
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MORE INFORMATION:

EURO CLASS (ca:cable)	CLASSIFICATION CRITERIA		CPR GUIDE	Securi-Flex®
	FIRE RATING	SFX COMMENT		
Reaction to Fire BS EN ISO 1716			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)	a1: Very low acidity (conductivity <2.5 μS/mm & pH >4.3)
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	d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds
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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