



NETWORK CABLE



Network cable

TITLE:

Cat6 4pr UTP

CODE:

SFX/C6-UTP-SWA-PE-BLK-1

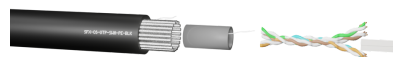
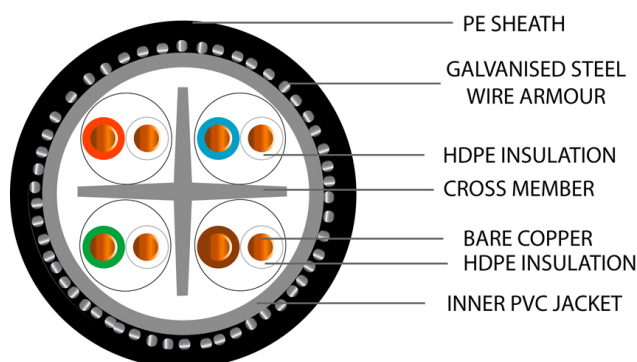
DESCRIPTION:

1m (per metre) Category 6, 4pr UTP SWA
Black PE

SUPPLIED AS:

Per 1m Lengths

- Capable of 1000mbps transfer speed or 250mhz 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
- Provides mechanical protection against cable being pinched or pierced
- UV resistant
- Can be cut to any length required saving installation time
- Solid core is the most cost effective and commonly used type of cat6 cable



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Product Specification

Cable Construction

CPR	Fca
Conductor	Bare Copper
Conductor 2	N/A
Conductor Diameter (mm)	0.54 ±0.020
Overall Diameter (mm)	10.50 ±0.20

Insulation

Insulation	HDPE
Insulation Colour	Blue/White/Blue;Orange/White/Orange;Green/White/Green;Brown/White/Brown
Insulation Thickness (mm)	0.29
Insulation 2 Thickness (mm)	N/A
Outer Insulation	N/A
Outer Insulation Diameter (mm)	N/A
Outer Insulation Thickness (mm)	N/A

Outer/Jacket Specification

Outer Insulation	N/A
Outer Jacket	PE UV resistant
Outer Jacket Colour	Black RAL 9005
Inner Jacket	PE UV resistant
Inner Jacket Colour	Grey RAL 7004
Inner Jacket Diameter (mm)	7.00 ±0.20
Inner Jacket Thickness (mm)	0.7
Jacket	PE
Overall Colour	Black
Overall Diameter (mm)	10.50 ±0.20
Jacket Colour	Black RAL 9005
Jacket Thickness (mm)	0.8
Nylon Rip-Cord	N/A

Electrical Characteristics

Max Conductor DC resistance @ 20°C	<830/km
Rated Temperature (°C)	-20°C to 80°C





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 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 PRODUCTION	(D) FLAMING DROPLETS	(A) SMOKE ACIDITY
Reaction to Fire 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 μS/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 flaming particles that persist for less than 10 seconds, timed for 1200 seconds	a2: low acidity (conductivity <10 μS/mm & pH >4.3)
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.	s1: Low production of slow propagation of smoke		
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	d2: None of the above	d2: None of the above
Reaction to Fire BS EN 60332-1-2			Visit us online: www.securiflex.co.uk The Trusted Cable Brand		
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.	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.		
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.			

OUR OPERATING TEMPERATURE RANGE GUIDE



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