

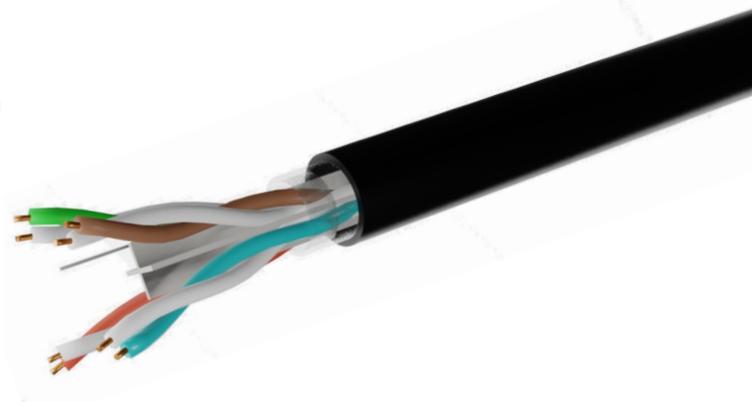
Cat6 UTP Black PE Cable

ADI
PRO

PRODUCT OVERVIEW

Solid conductor 4 pair Cat6 U/UTP (Unscreened/Unscreened twisted Pairs) cable with PE Black outer sheath.

Each cable consists of 8 colour coded high density polyethylene insulated conductors. These are twisted together to form 4 pairs with varying lay lengths. These pairs, together with a strong nylon rip cord are jacketed in PE (UV resistant) material.



ADIC6UTPPEBLK305

FEATURES

Cat6 4 pair UTP solid cable with 8 colour coded high density polyethylene insulated conductors

Bare copper conductors

305 metres in an easy to pull box

Black RAL 9005

Reaction for Fire Rating - Fca (CPR Rating)

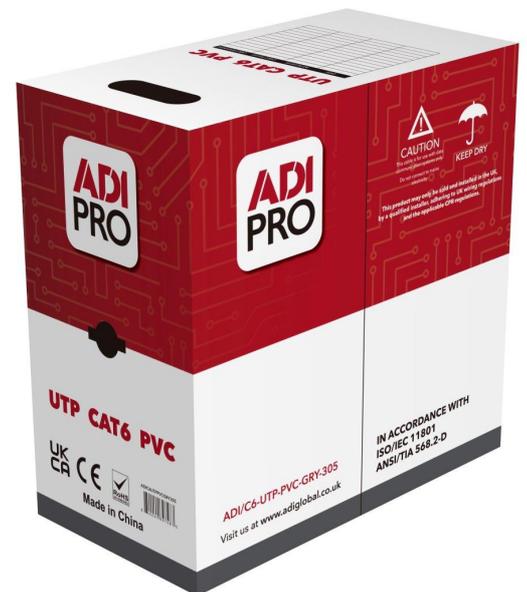
Rip cord for ease of stripping outer sheath

Manufactured and tested to ISO/IEC 11801, ANSI/TIA 568-C.2, CE2014/30/EU, LVD, 2014/35/EU, RoHS2 2011/65/EU standards.

Sequential reverse metre markings (305-0)

24 American Wire Gauge (AWG)

Supports Gigabit Ethernet



For more information contact your ADI sales person

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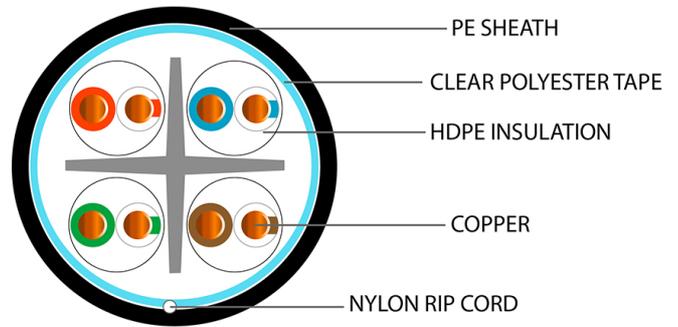
UK
CA

CE



Cat6 UTP Black PE Cable

CROSS-SECTION DIAGRAM



PRODUCT SPECIFICATIONS

Conductor: Bare Copper

Conductor Size: AWG 24

Overall Cable Diameter (mm): 6.10

Impedance (1-100Mhz): $100\Omega \pm 15\Omega$

Insulation: HDPE

Insulation Thickness (mm): 0.18

Insulation Diameter (mm): 1.02 ± 0.08

Insulation Colour(s): Blue/White/Blue; Orange/White/Orange; Green/White/Green ;Brown/White/Brown

Nylon Rip-Cord: White 210D

Jacket: PE (UV resistant)

Jacket Thickness (mm): 0.55

Rated Temperature : -20°C to 80°C

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UK
CA

CE



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CONSTRUCTION PRODUCT REGULATIONS (CPR)

EURO CLASS (ca:cable)	CLASSIFICATION CRITERIA		CPR Description	CPR GUIDE		
	FIRE RATING			(S) SMOKE PRODUCTION	(D) FLAMING DROPLETS	(A) SMOKE ACIDITY
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 BS EN 50399/BS EN 61034-2	(D) FLAMING DROPLETS BS EN 50399	(A) SMOKE ACIDITY BS EN 60754-2
Reaction to Fire BS EN 50399				<p>s1a: s1 + transmittance >=80% (BS EN 61034-2)</p> <p>s1b: s1 + transmittance >=60% <80% (BS EN 61034-2)</p> <p>s1: Low production of slow propagation of smoke</p> <p>s2: Intermediate production & propagation of smoke</p> <p>s3: None of the above</p>		
B1_{ca}	Minimum contribution to the fire		It's highly unlikely the commonly-used cables will be classified to Class B1 _{ca} .	<p>d0: No fall of droplets or flaming particles, times for 1200 seconds</p> <p>d1: Fall of droplets or flaming particles that persist for less than 10 seconds, timed for 1200 seconds</p> <p>d2: None of the above</p>		
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.	<p>a1: Very low acidity (conductivity <2.5 μS/mm & pH >4.3)</p> <p>a2: low acidity (conductivity <10 μS/mm & pH >4.3)</p> <p>d2: None of the above</p>		
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.			
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				<p>Visit us online: www.adiglobal.com</p>		
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 B2 _{ca} to E _{ca} .		
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.	For a cable to meet A _{ca} , B1 _{ca} , B2 _{ca} or C _{ca} , there also needs to be regular on-going factory audits.		



This product is rated CPR Euroclass F_{ca} for its reaction to fire

This product should only be installed, by a qualified installer, adhering to local wiring regulations relevant to the application. It is the responsibility of the installer to ensure that the CPR Class installed meets the requirements for the application in their country.

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CONSTRUCTION PRODUCT REGULATION EURO CLASSES



A_{ca}	No Reaction	
B1_{ca}	Very Low Reaction	
B2_{ca}	Low Reaction	
C_{ca}	Reduced Reaction	
D_{ca}	Improved Reaction	
E_{ca}	Basic Reaction	
F_{ca}	Undetermined	



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