CERTECH 305M Cat6A U/UTP Solid Gel Filled (underground) Cable, PE Jacket

NCC6AUTPGEL

DESCRIPTION

The CERTECH 305M Cat6A U/UTP external cable is a high-performance, unshielded network cable designed for outdoor and underground use. The cable consists of 4 x copper conductor twisted pairs separated by a pair divider, a PE jacket, a strength member for improved pulling tension and a dry core layer. With Cat 6A performance, this cable guarantees data transmission speeds of up to 10 gigabits per second (1 Gbps). Wrapped in a PE sheath and containing a dry core layer, this cable is protected from both UV rays and the ingress of water, making it an ideal choice for challenging outdoor installations. The NCC6AUTPGEL cable from is supplied on a 305m wooden reel.

STANDARDS

- AS/CA S008 (Australian)
- AS 11801 (1-6) (Australian)
- TIA/EIA-568-D (North American)
- UL444 (International)
- IEEE 802.3 (International)

PoE Table: Power over Ethernet (PoE)

Name	IEEE Standard	Power at Port	Current/Disconnection under load
PoE	IEEE 802.3af	15.5	Compliant
PoE+	IEEE 802.3at	30W	Compliant
PoE++	IEEE 802.3bt (Type 3)	60W	Compliant
PoE++	IEEE 802.3bt (Type 4)	100W	Compliant

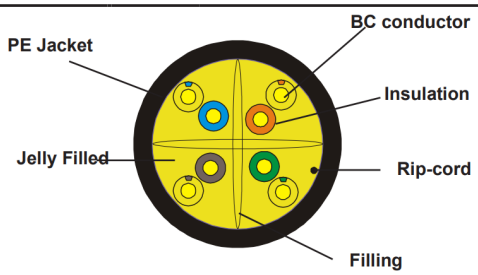
FEATURES

- 305m Cat6 Black U/UTP External SolidCable Roll 500MHz
- 100% Bare Copper Cable
- 23AWGx4P
- Integrated pair seperator
- Internal strength member
- PE Jacket for UV protection
- Dry core layer for moisture protection
- ROHS, RCM and REACH compliant

APPLICATIONS

- External cable runs (both aerial/ above ground and underground)
- Supports 10GBASE-T Ethernet
- Backwards compatible to 1000BASe Tx Gigabit Ethernet, 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3)
- 500 MHz High Bandwidth Audio Visual
- Voice, T1, ISDN
- ONVIF Security Protocol

SPECIFICATIONS

Category:	U/UTP- ZST CAT6A				
Reference Standard:	ISO/IEC11801 TIA/EIA-568-D				
Conductor:	Material:	Solid-Bare Copper			
	Nom.O.D.(mm):	0.565	up	+0.005	
			down	-0.005	
Insulation:	Material:	HDPE			
	Diameter:	1.12 ± 0.05mm			
Screening Material:	Mylar + Al/Mylar				
Sheath:	Thickness:	0.60 ± 0.05mm			
	External O.D:	7.1 ± 0.5mm			
	Surface:	Clean, Frap, Satiation			
	Material:	LDPE (complies RoHS)			
	Colour:	Black			
Surface Printing:	Letter height:	3.0+ 0.3mm			
	Colour:	White			
	Print Error & Space:	≤±0.5%, 1m			
Core Colour:	1 White - Blue/Blue	2 White - Orange/Orange	3 White - Green/Green	4 White - Brown/Brown	
Packing:	Wooden Drum				
Packing Length:	305 ± 1.5m				
Rip-Cord:	Yes	Drain Wire	Yes		
Box Size:	33 (W) x 39 (D) x 38 (H)cm				
Sheath Physical Properties:	Before Aging:	Tensile Strength (Mpa) ≥10.0	Elongation(%) ≥350		
	Aging Period (°C) x hrs	100°C x 24hr x10d			
	After Aging	Elongation (%) ≥300			
	Cold Bend (-20±2°Cx4h)	8xCable O.D, No visible cracks			
Electrical Characteristics:	Delay Skew (ns/100m)	≤45			
	Velocity of Propagation (%)	68			
	Unbalanced-to-ground capacitance (pf/100m) max	330 (pf/100m) max			
	DC Conductor Resistance Unbalance (%):	max 5.0			
Remote Power Data for RP1, RP2 and RP3 calculations:	Operating Temperature	-40 ~ + 75°C			
	DC Resistance Ohms per metre	≤9.38Ω/100m			
	(NVP) Nominal Velocity of Propagation	69%			
Installation Temperature:	-20 ~ + 60°C				
Flame Test Method:	No				
Min. Bending Radius (Pulling)	8 times outer cable diameter				
Min. Bending Radius (Installed)	4 times outer cable diameter				
Dielectric Strength (Max)	DC 1000V 1min No Breakdown				
Mutual Capacitance at Frequency	≤5.6nF/100m				
Operating Frequency:	500MHz				