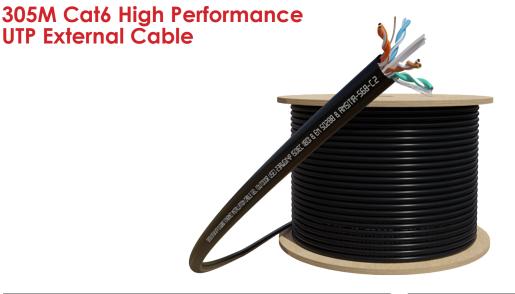


**NCC6SLDEXT** 



## **DESCRIPTION**

The CERTECH 305M UTP Cable is a high-performance network cable designed for outdoor above ground (not underground) use. The cable consists of 4 x copper conductor twisted pairs separated by a pair divider, PE jacket, and a strength member for improved pulling tension. With Cat6 performance, this cable guarantees data transmission speeds of up to 1 gigabit per second (1 Gbps). The PE sheath protects the cable from the harsh external elements, including UV rays, making it an ideal choice for challenging outdoor installations. The NCC6SLDEXT cable from CERTECH 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 UTP External Solid Cable Roll 250MHz
- 100% Bare Copper Cable
- 23AWGx4P
- PE Jacket
- AS/CA S008: Approved

### **APPLICATIONS**

- External cable runs (aerial/above ground)
- Supports 1GBASE-T (1000Base-T) Ethernet
- Backwards compatible to: 10BASE-T, 100BASE-T, (IEEE 802.3)
- 250 MHz High Bandwidth Audio Visual
- Voice, T1, ISDN
- ONVIF Security Protocol









# SPECIFICATIONS

Category:	U/UTP CAT6-4P-PE		-	'		BC condu	
Reference Standard:	ISO/IEC11801 TIA-568-C.2			1 4	Insulatio		
Conductor:	Material:	Solid-Bare Copper				ilisulatio	
	Nom.O.D.(mm):	0.550	up	+0.005		PET Ta	
			down	-0.005		Rip-cor	
				1 0.000	PE Jacket	Filling	
DC Resistance/Conductor Size:	Ohms per metre	<del>                                     </del>	≤9.38Ω/100m				
Insulation:	Material:	HDPE					
	Diameter:	0.95 ± 0.05mm					
Sheath:	Thickness:	0.55 ± 0.05mm					
	External O.D:	6.3 ± 0.5mm					
	Material:	LDPE (RoHS Compliant & GECA approved)					
	Colour:	Black					
Surface Printing:	Letter height:	3.0+ 0.3mm					
	Colour:	White					
Core Colour:	A. Blue,	B. Orange	<del>)</del> ,	C. Greer	1,	D. Brown,	
	White-Blue	White-Ora	ange	White-G	reen	White-Brown	
Shield:	PET Tape						
Packing:	Wooden Drum						
Box Size:	33 (W) x 39 (D) x 38 (H)cm	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 (%) ≥100					
	Cold Bend: (20±2°Cx4h)	No visible cracks					
Electrical	Impedance (Ω):	1.0-250.0	1.0-250.0MHz 100± 15				
Characteristics:	1.0-250.0MHz Delay Skew (ns/100m)				≤45		
	DC Resistance (pf/100m) max			9.38			
	DC Conductor Resistance Unbalanced (%):			max 5.0			
Operating Temperature:	-40°C ~ + 75°C						
Installation Temperature:	-20°C ~ + 60°C						
Flame Test Method:	No						
DC Resistance Unbalanced:	in pair ≤2.0%, pair to pair≤4.0%						
DC Resistance (Max.):	≤9.38Ω/100m						
(NVP) Nominal Velocity of Propagation:	69%						
Min. Bend Radius (Pulling)	8 times outer cable diameter						
Min. Bend Radius (Installed)	4 times outer cable diameter						
Dielectric Strength (Max.)	DC 1000V 1min No Breakdown						
Mutual Capacitance at Frequency	ce at ≤5.6nF/100m						
Operating Frequency:	250MHz						







ABN: 17 149 306 785