

305M Cat6 UTP Solid Cable Roll, LSZH Jacket

NCC6LSZHXX



DESCRIPTION

The CERTECH Cat6 U/UTP cable consists of 4 x copper conductor twisted pairs separated by a pair divider for superior AXT performance, LSZH jacket, and a strength member for improved pulling tension. CERTECH Cat6 cabling solutions support data transmission speeds of up to 1 gigabit per second (1 Gbps). When combined with CERTECH Cat6 jacks and installed by a CERTECH certified installer, the permanent links exceed the performance criteria outlined in AS 11801 (1-6) and certifiable through CERTECH's 25 Year Certified Warranty Program.

FEATURES

- 305m Cat6 Blue UTP Solid Cable Roll 250MHz
- 100% Bare Copper Cable
- 23AWGx4P
- LSZH Jacket
- AS/CA S008:2010 Approved
- 4K UHD Ready
- ROHS, RCM & REACH compliant
- GECA Claim Authenticated (PVC free)
- Available Colours



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

APPLICATIONS

- 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



DESIGNED AND MANUFACTURED TO AUSTRALIAN STANDARDS AND CONDITIONS

SPECIFICATIONS

Category:	U/UTP CAT6-4P-LSZH					
Reference Standard:	ISO/IEC11801, TIA-568-C.2					
Conductor:	Material:	Solid-Bare Copper				
	Nom.O.D.(mm):	0.550	up	+0.005		
			down	-0.005		
Insulation:	Material:	HDPE				
	Diameter:	0.98±0.05 mm				
Sheath:	Thickness:	0.55 ± 0.05mm				
	External O.D:	6.1 ± 0.4mm				
	Material:	LSZH (RoHS Compliant)				
	Colour:	TBD				
Surface Printing:	Letter height:	3.0+ 0.3mm				
	Colour:	Black				
	Print error & Space	≤±0.5%, 1m				
Rip-Cord	Yes	Drain Wire	No			
Core Colour:	A. White, Blue-Blue	B. White, Orange-Orange	C. White, Green-Green	D. White, Brown-Brown		
	Packing: Reel in Box					
Box Size:	34 (W) x 27 (D) x 35 (H)cm					
Sheath Physical Properties:	Before Aging:	Tensile Strength (Mpa) ≥10.0		Elongation(%) ≥125		
	Aging Period (°C) x hrs:	100°C x 24hr x7d				
	After Aging:	Tensile Strength (Mpa) ≥8.0		Elongation (%) ≥100		
	Cold Bend:(-20±2°Cx4h)	8x Cable O.D		No visible cracks		
Electrical Characteristics: (20°C)	1.0-250.0MHz	Delay Shew (ns/100m)		≤45		
	1.0-250.0MHz	Impedance (Ω):		100±15		
	DC Resistance (pf/100m) max			≤9.38		
	DC Conductor Resistance Unbalanced (%) max			in pair ≤2.0% pair to pair ≤4.0%		
Operating Temperature:	-40°C ~ + 75°C					
Installation Temperature:	-20°C ~ + 60°C					
Flame Test Method:	No					
(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	≤5.6nF/100m					
Operating Frequency:	250MHz					

