

## Cat6A 10G U/UTP Alien-X (Isolation Wrap) High Performance Solid Cable, Blue LSZH Jacket, 305M

**NCC6AAXLSZHBLUE**



### DESCRIPTION

The CERTECH Cat6A U/UTP Alien X cable with isolation wrap consists of 4 x copper conductor twisted pairs, separated by a pair separator and wrapped in a non-contiguous overall metallic isolation wrap. This isolation wrap offers increased alien cross talk suppression and improved overall performance compared to regular UTP cables, particularly at shorter lengths. Designed with a strength member for improved pulling tension and drain wire for earth continuity.

When combined with CERTECH Cat 6A jacks and installed by a CERTECH certified installer, the permanent links exceed the performance criteria outlined in AS 11801 (1-6) and can be certified for a 25 year warranty under the CERTECH 25 year warranty program.

### FEATURES

- Category 6A U/UTP Alien X Horizontal Cable
- Alien X cable with non-contiguous metallic isolation wrap
- 23AWGx4P
- LSZH Jacket (PVC free)
- 305m reel in box
- Integrated pair separator
- Internal drain wire
- Internal strength member
- ROHS, RCM and REACH compliant
- GECA PVC free claim authenticated

### STANDARDS

- S008 (Australian)
- AS 11801 (1-6) (Australian)
- TIA/EIA-568-C.2 (North American)
- UL444 (International)

#### Power over Ethernet (PoE)

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

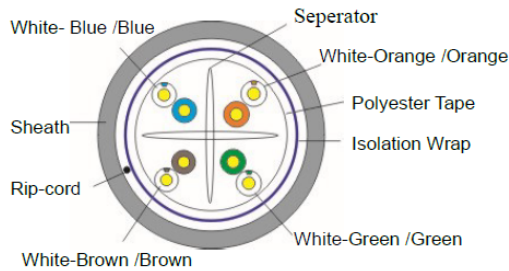
### APPLICATIONS

- Supports 10GBASE-T Ethernet
- Backwards compatible to 1000BASE-Tx Gigabit Ethernet, 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3)
- 100 VG - AnyLAN(IEEE802.12), 155/622 Mbps ATM
- 500 MHz High Bandwidth Audio Visual
- Voice, T1, ISDN
- ONVIF Security Protocol



DESIGNED AND MANUFACTURED TO AUSTRALIAN STANDARDS AND CONDITIONS

## SPECIFICATIONS

Category:	U/UTP-DF CAT6A-4P-LSZH					
Reference Standard:	ISO/IEC11801, ANSI/TIA-568-C.2					
Conductor:	Material:	SOLID-Bare Copper				
	Nom.O.D.(mm):	0.565	up	+0.005		
down			-0.005			
DC Resistance/Conductor Size:	Ohms per metre	≤9.38Ω/100m				
Insulation:	Material:	HDPE				
	Diameter:	1.12±0.05mm				
Sheath:	Thickness:	0.55±0.05 mm				
	External O.D:	7.2±0.5 mm				
	Material:	LSZH(RoHS Compliant & GECA approved)				
	Colour:	Blue				
Surface Printing:	Letter height:	3.0+ 0.3mm				
	Color:	Black				
Core Colour:	1 White- Blue/Blue	2 White- Orange/ Orange	3 White- Green/Green	4 White- Brown/Brown		
Packing:	Reel in box					
Box Size:	33 (W) x 39 (D) x 38 (H)cm					
Sheath Physical Properties:	BeforeAging:	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		
Electrical Characteristics:	Impedance (Ω):	1.0-250.0MHz		100± 15		
		250.0-500.0MHz		100±22		
	1.0-500.0MHz Delay Skew (ns/100m)			≤45		
	DC Resistance (pf/100m) max			9.38		
	DC Conductor Resistance Unbalance (%):			max 5.0		
Operating Temperature:	-20°C~+75°C					
Flame Test Method:	IEC60332-1-2					
Minimum Bend Radius (Pulling):	8 times outer cable diameter					
Minimum Bend Radius (Installed):	4 times outer cable diameter					
DC Resistance Unbalanced:	in pair ≤2.0%, pair to pairs≤4.0%					
(NVP) Nominal Velocity of Propagation:	69%					

