

305M Cat6A 10G U/FTP Solid Cable, Blue LSZH Jacket

NCC6AUFTPBLUE



DESCRIPTION

The CERTECH Cat6A U/FTP NCC6AUFTPBLUE cable consists of 4 x copper conductor twisted pairs, LSZH jacket, and a foil shield on each individual pair. Designed with a strength member for improved pulling tension and drain wire for earth continuity. CERTECH Cat6A cabling solutions support data transmission speeds of up to 10 gigabits per second (10 Gbps). When combined with CERTECH Cat6A 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 Cat6A U/FTP reel in a box
- 500 MHz
- 100% Bare Copper Cable
- 23AWGx4P
- LSZH Jacket
- Individual foil shield
- Internal drain wire
- Internal strength member
- ROHS, RCM and REACH compliant
- GECA Claim Authenticated (PVC free)

APPLICATIONS

- Supports 10GBASE-T Ethernet
- Backwards compatible to:
1000BASE-Tx Gigabit Ethernet,
10BASE-T, 100BASE-T
Fast Ethernet (IEEE 802.3)
- 500 MHz Ultra High Bandwidth
Audio Visual
- Voice, T1, ISDN
- ONVIF Security Protocol

STANDARDS

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

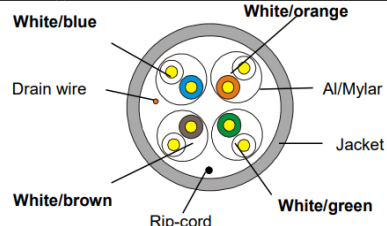
PoE Table: Power over Ethernet (PoE)

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



DESIGNED AND MANUFACTURED TO AUSTRALIAN STANDARDS AND CONDITIONS

SPECIFICATIONS

Category:	SD U/FTP- CAT6A-4P-LSZH					
Reference Standard:	ISO/IEC11801, ANSI/TIA-568-C.2					
Conductor:	Material:	Solid-Bare Copper				
	Nom.O.D.(mm):	0.560	up	+0.005		
			down	-0.005		
Insulation:	Material:	SKIN-FOAM-SKIN-PE				
	Diameter:	1.30±0.05 mm				
Sheath:	Thickness:	0.5 ± 0.05mm				
	External O.D:	7.0 ± 0.5mm				
	Material:	LSZH (RoHS Compliant)				
	Colour:	TBD				
Surface Printing:	Letter height:	3.0+ 0.3mm				
	Colour:	Black				
	Print error & Space	≤±0.5%, 1m				
Screening Material	Al/Mylar	Drain Wire		Yes		
Rip-Cord	Yes					
Core Colour:	A. White-Blue	B. White-Orange	C. White-Green		D. White-Brown	
Packing:	Reel in Box					
Box Size:	33 (W) x 39 (D) x 38 (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)	No visible cracks				
Electrical Characteristics: (20°C)	Impedance(Ω)		1.0-250.0MHz 250.0-500.0MHz		100±15 100±22	
	1.0-500.0MHz	Delay Skew (ns/100m)			≤45	
	DC Resistance (pf/100m) max			≤9.38		
	DC Conductor Resistance Unbalanced (%) max			in pair ≤2.0%, pair to pair ≤4.0%		
	Unbalanced to ground capacitance (pf/100m) max			330		
Operating Temperature:	-40°C ~ + 75°C					
Installation Temperature:	-20°C ~ + 60°C					
Flame Test Method:	IEC60332-1-2					
(NVP) Nominal Velocity of Propagation:	74%					
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:	500MHz					

