

305M Cat6A S/FTP Solid Cable Roll, LSZH Jacket

NCC6ASHLSZHXX



DESCRIPTION

The CERTECH Cat6A S/FTP NCC6ASHLSZHxxxx double shielded cable consists of 4 x copper conductor twisted pairs, LSZH jacket, an overall braid style shield 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 S/FTP reel in a box
- 500 MHz
- 100% bare copper cable
- 23AWGx4P
- LSZH Jacket
- Overall braid shield and individual pair foil shield
- Internal drain wire
- Internal strength member
- ROHS, RCM and 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 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
- Professional audio and video installations
- High noise environments requiring EMI protection



DESIGNED AND MANUFACTURED TO AUSTRALIAN STANDARDS AND CONDITIONS

SPECIFICATIONS

Category:	S/FTP-CAT6A-4P-LSZH-AM30				
Reference Standard:	ISO/IEC11801 TIA-568-C.2				
Conductor:	Material:	Solid-Bare Copper			
	Nom.O.D.(mm):	0.560	up	+0.005	
			down	-0.005	
DC Resistance (Max.):	≤9.38Ω/100m				
Insulation:	Material:	SKIN-FOAM-SKIN-PE			
	Diameter:	1.330 ± 0.05 mm			
Sheath:	Thickness:	0.55 ± 0.05mm			
	External O.D:	7.5 ± 0.5mm			
	Material:	LSZH (RoHS Compliant)			
	Colour:	Blue & Grey			
Surface Printing:	Letter height:	3.0+ 0.3mm			
	Colour:	Black			
	Print error & space	≤±0.5% 1m			
Inner Screening Material	Al/Mylar	Drain Wire	TC0.45		
Rip-Cord	Yes				
Outer Screening Material	Tinned Copper 0.10mm	Coverage	30%		
Core Colour:	A. Blue, White-Blue	B. Orange, White-Orange	C. Green, White-Green	D. Brown, White-Brown	
Shield:	PET Tape				
Operating Frequency:	500MHz				
Packing:	Reel in Box				
Length:	305±1.0m				
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)	8xCable O.D	No visible cracks		
Electrical Characteristics: (20°C)	Delay Shew (ns/100m)	≤45			
	Velocity of Propagation (%)	74%			
	DC Resistance (pf/100m) max	9.38 ohms/m			
	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				

