

305M Cat6A 10G S/FTP Solid External (Above Ground) Cable

NCC6ASTPEXT



DESCRIPTION

The CERTECH 305M Cat6A 10G S/FTP external cable is a high-performance network cable designed for outdoor (not underground) use. The cable consists of a robust S/FTP double shielding, 4 x copper conductor twisted pairs separated by a pair divider, a PE jacket, and a strength member for improved pulling tension. With Cat6A performance, this cable ensures reliable data transmission at speeds of up to 10 gigabits per second (10 Gbps). Its S/FTP (Shielded Foiled Twisted Pair) design provides exceptional protection against electromagnetic interference. The PE sheath protects the cable from the harsh external elements, including UV rays, making it an ideal choice for challenging outdoor installations. The NCC6ASTPEXT cable from CERTECH is supplied on a 305m wooden reel.

FEATURES

- 305m Cat6A Black S/FTP External Solid Cable Roll 500MHz
- 100% Bare Copper Cable
- 23AWGx4P
- PE Jacket for UV protection
- Internal drain wire
- Overall braid shield and individual pair foil shield
- Integrated pair separator
- Internal strength member
- ROHS, RCM and REACH

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

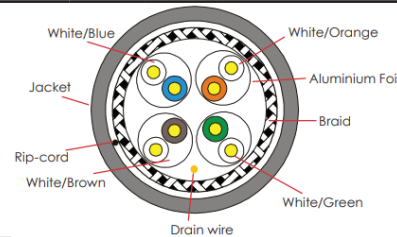
APPLICATIONS

- External cable runs (aerial/above ground)
- 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



DESIGNED AND MANUFACTURED TO AUSTRALIAN STANDARDS AND CONDITIONS

SPECIFICATIONS

Category:	S/FTP-CAT6A-4P-PE-TC30				
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		
Insulation:	Material:	Skin-foam-skin PE			
	Diameter:	1.330±0.05 mm			
Sheath:	Thickness:	0.55 ± 0.05mm			
	External O.D:	7.6±0.5 mm			
	Material:	LDPE (RoHS Compliant)			
	Colour:	Black			
Surface Printing:	Letter height:	3.0 + 0.3mm			
	Colour:	White			
	Print error & Space	≤±0.5%, 1m			
Rip-Cord	Yes				
Core Colour:	A. White - Blue	B. White - Orange	C. White - Green	D. White - Brown	
Packing:	Wooden Drum				
Box Size:	34 (W) x 27 (D) x 35 (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 (%) ≥300			
	Cold Bend:(-20±2°Cx4h)	No visible cracks			
Electrical Characteristics: (20°C)	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%		
	Unbalanced-to-ground Capacitance (pf/100m)max		330		
Operating Temperature:	-40°C ~ + 75°C				
Installation Temperature:	-20°C ~ + 60°C				
Flame Test Method:	CM				
(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				

