

CERTECH 305M Cat6A 10G U/FTP External (Underground) Cable, PE Jacket

NCC6ASLDGEL



DESCRIPTION

The CERTECH 305M Cat6A U/FTP external cable is a high-performance, shielded network cable designed for outdoor and underground use. The cable consists of 4 x copper conductor twisted pairs separated by a pair divider, a PE jacket and a dry core layer. Designed with a strength member for improved pulling tension, an individual pair foil shield and drain wire for earth continuity. With Cat6A performance, this cable guarantees data transmission speeds of up to 10 gigabits per second (10 Gbps). Wrapped in a PE sheath and containing a dry core layer, this cable is protected from both UV rays and the ingress of water, making it an ideal choice for challenging outdoor installations.

FEATURES

- 305m Cat6 Black U/FTP External Solid Cable Roll 500MHz
- 100% Bare Copper Cable
- 23AWGx4P
- Individual pair foil shield
- Internal drain wire
- Integrated pair separator
- Internal strength member
- PE Jacket for UV protection
- Dry core layer for moisture protection
- ROHS, RCM and REACH compliant

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

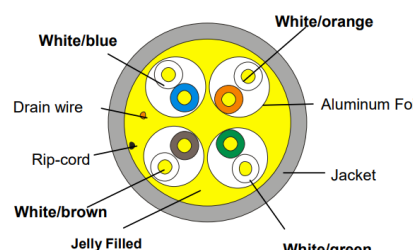
APPLICATIONS

- External cable runs (both aerial/ above ground and underground)
- Supports 10GBASE-T Ethernet
- Backwards compatible to 1000BASE-Tx Gigabit Ethernet, 10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3)
- 500 MHz High Bandwidth Audio Visual
- Voice, T1, ISDN
- ONVIF Security Protocol



DESIGNED AND MANUFACTURED TO AUSTRALIAN STANDARDS AND CONDITIONS

SPECIFICATIONS

Category:	U/FTP-ZST CAT6A-4P-PE				
Reference Standard:	ISO/IEC11801, TIA/EIA-568-D				
Conductor:	Material:	Solid-Bare Copper			
	Nom.O.D.(mm):	0.560	up down	+0.005 -0.005	
Insulation:	Material:	Skin-foam-skin PE			
	Diameter:	1.330±0.05 mm			
Sheath:	Thickness:	0.55±0.05 mm			
	External O.D:	7.4±0.4 mm			
	Material:	LDPE (complies RoHS)			
	Colour:	Black			
	Surface:	Clean			
Surface Printing:	Letter height:	3.0 + 0.3mm			
	Colour:	White			
	Print Error & Space:	≤±0.5%, 1m			
Core Colour:	A. Blue, White-Blue	B. Orange, White-Orange	C. Green, White-Green	D. Brown, White-Brown	
Packing:	Wooden Drum				
Box Size:	33 (W) x 39 (D) x 38 (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)	8x Cable O.D. No visible cracks			
Electrical Characteristics:	Impedance (Ω):	1.0-250.0MHz		100± 15	
	1.0-500.0MHz Delay Skew 20°C (ns/100m)			≤45	
	DC Conductor Resistance Unbalance (%):			max 5.0	
Remote Power Data for RP1, RP2 and RP3 calculationS:	Operating Temperature			-40 ~ +75°C	
	DC Resistance Ohms per metre			≤9.38Ω/100m	
	(NVP) Nominal Velocity of Propagation:			74%	
Installation Temperature:	-20 ~ +60°C				
Flame Test Method:	No				
DC Resistance Unbalanced:	in pair ≤2.0%, pair to pairs≤4.0%				
Dielectric Strength (Max.)	DC 1000V 1min No Breakdown				
Mutual Capacitance at Frequency	≤5.8nF/100m				
Min. Bending Radius (Pulling)	8 times outer cable diameter				
Min. Bending Radius (Installed)	4 times outer cable diameter				
Operating Frequency:	500MHz				

