



Technical Data Sheet

ONE Outdoor Grade Network Cable

ONE Category 6 U/UTP Outdoor-Rated Bulk Network Cable

The Kordz ONE Series Category 6 U/UTP Outdoor Grade Network Cable is a gel-filled, UV-stabilised cable suitable for outdoor or direct burial installation applications. Featuring high quality water-resistant gel and a UV-stabilised polyethylene jacket, the product also exceeds the performance requirements of ANSI/TIA-568.2-D Category 6 and features 24AWG OFC conductors for increased ease of field termination, thereby saving precious time.

- Suitable for 10BASE-T, 100BASE-TX, 1000BASE-T/1000BASE-TX (Gigabit) & 5GBaseT, PoE & PoE+
- Exceeds ANSI/TIA-568.2-D Category 6 performance requirements
- 24AWG Oxygen-Free Copper conductors with U/UTP 4-pair construction
- Water-resistant gel-filled for optimal moisture rejection, tested to conform with IEC 60794-1-2 FSB requirements
- UV-stabilised polyethylene-based cable jacket conforming to AS 1049 requirements
- Metre-marked and spooled on a robust wooden reel for ease of outdoor use
- Available in Black only



Technical Specifications

Construction

Primary Conductors	Solid OFC annealed bare copper wire 0.537 +0/-0.015mm [24AWG]		
Insulation	Orange & Brown pairs	Polyethylene, 1.02 ± 0.1 mm	
	Blue & Green pairs	Foam PE, 1.05 ± 0.1 mm	
Twisting	4 twisted pairs, 2 single conductors paired		
Twisted pair colour code	1: white / blue 2: white-orange / orange		
	3: white / green 4: white-brown brown		
Cable lay up	4 pairs with different pitches		
	Non-metallic cross separator (spine)		
Filler	Water-resistant gel		
Buffer	Mylar tape		
Jacket Material	UV-stabilised polyethylene-based composite (LDPE)		
Outer diameter	6.3 ± 0.5 mm		

Mechanical

Minimum Bend Radius	without load	≥ 25.2 mm
	with load	≥ 50.4 mm
Temperature Range	During operation	- 20 °C to 60 °C
	During installation	0°C to 50°C

Electrical Properties - at 20 °C ± 5 °C

DC resistance	max. 9.38 Ω/100 m at 20°C	
Resistance unbalanced	max. 2% at 20°C	
Insulation resistance (500V)	min. 5000 MΩ/km at 20°C	
Mutual capacitance	max. 5.6 nf/100 m at 1 kHz	
Capacitance unbalance (pair to ground)	max. 330 pf/100 m at 1 kHz	
Nominal velocity of propagation	nom. 63 %	
Test voltage (DC, 1min)	1 kV / 1 min	

Part No	Cable Type	Gauge	Length	Packaging Style
K14703-305M-BK	Category 6 U/UTP	24AWG	305M	Wooden Reel (35cm x 15cm x 28cm)