



## Technical Data Sheet

# PRO SlimCat™ Network Cable

### Makes installation easier

Kordz PRO SlimCat™ Network Cables are industry-leading and highly flexible network cables designed for high density installations, delivering ANSI/TIA-568.2-D Category 6 permanent link performance up to 50 metres. With a slim 4.0mm diameter U/UTP form factor and a recommended bend radius of just 32mm, the cable enables wired network connectivity to be delivered in a variety of challenging installation applications. PRO SlimCat™ network cables also offer essential space saving advantages in dense rack installations by halving bundle sizes. This allows better airflow and heat dissipation, which in turn improves equipment reliability, serviceability and performance. Fully compatible with PoE++ at 100W, together with its small cable footprint, PRO SlimCat™ network cable is ideal for easy retrofit of devices such as Wi-Fi access points and IP CCTV cameras to existing projects. Equally the cable system comes into its own when non-destructive, discrete cable running techniques are required for use in historic buildings or other challenging retrofit installs. Complete the PRO SlimCat™ end-to-end system by pairing the cable with the corresponding PRO SlimCat™ RJ45 Crimp Connectors and Keystone RJ45 Sockets to ensure reliable, compact connectivity in your next installation.

- Delivers ANSI/TIA-568.2-D Category 6 permanent link performance up to 50m, ideal for small and medium size installations
- Space-saving U/UTP design, enabling reliable wired networks to the places other systems can't reach
- Reducing bundle sizes by almost half (cross-sectional area)
- IEEE802.3bt 100W PoE++ capable
- Simultaneous UL444 CM and CPR Dca fire rating for full compliance with US and EU safety requirements
- Conveniently packaged in a Reel-in-Box delivery system that's easy to identify in a van or on-site
- AS/NZS S008:2010 compliant
- RoHS compliant
- Kordz Lifetime Warranty



Technical Specifications							
<b>Construction</b>							
Conductor	28AWG solid OFC 0.338 +0/-0.02mm						
Insulation	Polyethylene, 0.61±0.1 mm						
Twisting	4 twisted pairs of conductors, not bonded						
Twisted pair colour code	1: white / blue 2: white-orange / orange 3: white / green 4: white-brown / brown						
Shielding	Unshielded (U/UTP)						
Jacket Material	FRLSZH composite						
Outer diameter	4.0 ± 0.5 mm						
<b>Mechanical</b>							
Minimum Bend Radius	without load	≥ 16.0 mm					
	with load	≥ 32.0 mm					
Temperature Range	During operation	-20 °C to 60°C					
	During installation	0°C to 50°C					
<b>Electrical Properties - at 20°C ± 5°C</b>							
DC resistance	max. 23.6 Ω/100 m at 20°C						
Resistance unbalance	max. 4% 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. 67%						
Test voltage (DC, 1min)	1 kV / 1 min						
Part No	Color	Gauge	Cable Type	Fire Rating	Spool Length	Packaging Style	Packaging Dimensions
K23402-305M-BK	Black	28AWG	U/UTP	CPR Dca s2,d2,a1 / UL 444 CM	305m (metre-marked)	Reel-in-Box	330mm x 265mm x 340mm 13.0in x 10.4in x 13.4in
K23402-305M-BL	Blue						
K23402-305M-WH	White						