

Technical Data Sheet

PRO SlimCat™ Cat6 Network Cable

Makes installation easier

Kordz PRO SlimCat™ Network Cables are industry-leading slim 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							
Construction							
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					
Mechanical							
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					
Electrical Properties - at 20°C ± 5°C							
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-GN	Green						
K23402-305M-PP	Purple						
K23402-305M-YL	Yellow						
K23402-305M-WH	White						

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