



More information

Technical Data Sheet

PRS SlimCat™ Cat6A Network Cable

Makes installation easier

Kordz PRS SlimCat™ Cat6A Network Cable is the industry-leading highly flexible network cable designed for high performance and high-density installations, delivering ANSI/TIA-568.2-D Cat6A permanent link performance up to 50 metres. With a slim 5mm diameter F/UTP form factor and a recommended bend radius of just 40mm, the cable enables wired network connectivity to be delivered in a variety of challenging installation applications and can go where other cables can't. The Kordz PRS SlimCat™ Cat6A Network Cable also offers 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, Kordz PRS SlimCat™ Network Cable is ideal for easy retrofitting 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 Kordz PRS SlimCat™ end-to-end system by pairing the cable with the corresponding Kordz PRS SlimCat™ RJ45 Shielded Crimp Connectors and Shielded Keystone RJ45 Sockets to ensure reliable, compact connectivity in your next installation.

- Delivers ANSI/TIA-568.2-D Cat6A permanent link performance up to 50m, ideal for small and medium size installations
- Space-saving F/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, 0.67±0.1 mm

Twisting 4 twisted pairs of conductors, 2 single conductors paired

Twisted pair colour code 1: white-blue / blue 2: white-orange / orange
3: white-green / green 4: white-brown / brown

Shielding shielded (F/UTP)

Jacket Material FRLSZH composite

Outer diameter 5.0 ± 0.5 mm

Mechanical

Minimum Bend Radius without load ≥ 20.0 mm
with load ≥ 40.0 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						
K23402-305M-BL	Blue	28AWG	F/UTP	CPR Dca s1,d1,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-WH	White						

Kordz products are sold with a limited warranty as outlined at: www.kordz.com.au
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