



Technical Data Sheet

ONE 18AWG x 2C + 22AWG x 1P Control Cable

305m

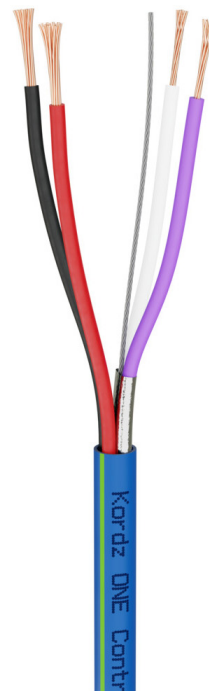
Make performance possible

The Kordz ONE 18AWG x 2C + 22AWG x 1P Control Cable is designed and engineered for systems integrators requiring reliable power and RS-485 communication within a single, installation-friendly cable. Featuring 18AWG stranded conductors for Safety Extra Low Voltage (SELV) power delivery and a 22AWG shielded twisted pair for RS-485 data, it supports a wide range of building control systems including lighting, shades, HVAC interfaces, sensors and automation processors. Balanced strand construction provides the optimal combination of power handling and flexibility, enabling straightforward routing through conduits, risers and control enclosures.

The cable's IEC60332-1 flame retardant PVC construction and CPR Eca classification address basic flame propagation requirements, while industry-standard colour coding simplifies termination. Metre-marked lengths and an internal nylon ripcord enhance installation ease and preparation efficiency, particularly in large-scale deployments.

Packaged in the Kordz recyclable Reel Box for consistent, snag-free dispensing, this cable comes backed by the Kordz lifetime warranty. The ONE 18AWG x 2C + 22AWG x 1P Control Cable provides dependable performance for modern building automation, extending the ONE Series range into control infrastructure with the quality and reliability integrators expect from Kordz.

- 18AWG x 2C power conductors and 22AWG x 1P RS-485 pair for modern building control systems
- Balanced strand construction for flexibility and robust power handling
- Industry-standard internal colour coding for straightforward termination
- IEC60332-1 flame retardant PVC cable with CPR Eca compliance
- Metre-marked cable with internal nylon ripcord for efficient preparation
- Packaged in a recyclable Kordz Reel Box for easy handling and deployment
- AS/NZS S008:2020 and RoHS compliant
- Lifetime warranty for peace of mind



Technical Specifications							
Construction				22AWG 1Pair		18AWG 2Cores	
Conductor Material				Stranded Oxygen Free Copper			
AWG				22AWG (7/0.25mm)		18AWG (41/0.16mm)	
Insulation Material				Foam PE		SR-PVC	
Insulation Diameter				1.8 ± 0.10mm		1.8 ± 0.10mm	
Insulation Colour				White/ Purple		Black/Red	
Drain wire				7/0.20 TC		N/A	
Shielding				Al-foil 125% Coverage		N/A	
Electrical Properties (20°C)							
Conductor Resistance				Max 55.4 ohms/km		Max 21.8 ohms/km	
Dielectric Strength				1500V AC/1min			
Impedance				500 V AC / 1 min			
Capacitance				4 kV / 1 min			
Mechanical Properties							
Cable Diameter				6.00 ± 0.20mm			
Material				IEC 60332-1 PVC Composite			
Colour				Blue with green stripe			
Part No	Color	AWG	Material	Fire Rating	Spool Length	Packaging Style	Packaging Dimensions
K17005-305M-BL	Blue with Green Stripe	22AWG	PVC	CPR Eca / IEC 60332-1	305m	Reel Box	345 mmx260mm x330mm 13.58in×10.24in×12.99in