

Control Cables

CU CNTRL 2.5 X 7

Contact

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Nexans Ref.: APAP07AA007CXWW

Country Ref.: 2943

Cu conductors, PVC insulation (numbered cores), Laid up, Black PVC sheath. 450/750 V. Made to AS/NZS 5000.3,

DESCRIPTION

Application

- Industrial and commercial applications
- Used as a connections type of cable between control cabinets where a number of control signals are required; or for use in any areas where control of equipment is required.
- Both unarmoured and armoured controls are used in a similar style of application, the only difference being that in the case of unarmoured cable the customer may require mechanical protection of the cable.



STANDARDS

National AS/NZS 5000.3

CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Insulation	PVC
Outer sheath	PVC
Core identification	Numbers

Dimensional characteristics

Number of cores	7
Conductor cross-section	2.5 mm ²
Nominal overall diameter	14.0 mm
Gland Size (A2 or A2F)	25
Approximate weight	0.34 kg/m

Electrical characteristics

Max. DC resistance of the conductor at 20°C	7.41 Ohm/km
Rated Voltage U ₀ /U	450/750 V

Usage characteristics

Max. conductor temperature in service	75 °C
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CURRENT CARRYING CAPACITIES (IN AMPS) - CONTROL CABLES

Control cables

Conductor cross-section [mm²]	 Cu	 Cu	 Cu	 Cu
2.5	30	18	25	15.6
 Unenclosed touching 2 cond.	 Voltage Drop 2 Cond. Single Phase (mV/A.m)	 Unenclosed touching 3 cond.		
 Voltage Drop 3 Cond. Three phase (mV/A.m)				

Note

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- The values in this table are for typical New Zealand installation conditions of:
Ambient Air Temperature 30°C