

# Control Cables

CU CNTRL 2.5 X 7

## Contact

Sales and Customer Solutions  
sales.nz@nexans.com

**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**

# Control Cables

CU CNTRL 2.5 X 7

## Contact

Sales and Customer Solutions  
sales.nz@nexans.com

## 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 <sup>2</sup>
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 <sub>0</sub> /U	450/750 V

### Usage characteristics

Max. conductor temperature in service	75 °C
---------------------------------------	-------

# Control Cables

CU CNTRL 2.5 X 7

## Contact

Sales and Customer Solutions  
sales.nz@nexans.com

## CURRENT CARRYING CAPACITIES (IN AMPS) - CONTROL CABLES

Control cables

Conductor cross-section [mm <sup>2</sup> ]	 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

- Content from AS/NZS 3008.1.2:2010 has been reproduced with the permission from Standards New Zealand under Copyright Licence 000926. Please see the Standard for full details.
- The values in this table are for typical New Zealand installation conditions of:  
Ambient Air Temperature 30°C