Control Cables

CU CNTRL 1.5 X 4

Contact
Sales and Customer Solutions
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Nexans Ref.: GAHQ05AA004CXWW
Country Ref.: 4258

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

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CHARACTERISTICS

Construction characteristics	
Conductor material	Copper
Insulation	PVC
Outer sheath	PVC
Core identification	Black numbers
Dimensional characteristics	
Number of cores	4
Conductor cross-section	1.5 mm²
Nominal overall diameter	9.7 mm
Gland Size (A2 or A2F)	20S
Approximate weight	0.15 kg/m
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	13.6 Ohm/km
Rated Voltage Uo/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
1.5	21	33	17	28.6

Unenclosed touching 2 cond.

VD Voltage Drop 2 Cond. Single Phase (mV/A.m)

Unenclosed touching 3 cond.

VD Voltage Drop 3 Cond. Three phase (mV/A.m)

Note

1. 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.
2. The values in this table are for typical New Zealand installation conditions of:
   Ambient Air Temperature 30°C