Control Cables (Armoured)

CU CNTRL-ARM 1.5 X 4

Contact
Sales and Customer Solutions
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Nexans Ref.: HAMQ05NG004CXWW
Country Ref.: 5841

Cu conductors, PVC insulation (numbered cores), Laid up, Extruded Bedding, GSW armour, Black PVC sheath. 0.6/1 kV. Made to BS 6346.



DESCRIPTION

Application

- Industrial and commerical applications
- Used as connection 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 the 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 BS 6346

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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CHARACTERISTICS

Construction characteristics	
Conductor material	Copper
Insulation	PVC
Material of bedding	PVC
Armour type	Galvanized steel wires
Outer sheath	PVC
Core identification	Black numbers
Dimensional characteristics	
Number of cores	4
Conductor cross-section	1.5 mm²
Nominal overall diameter	13.7 mm
Gland Size (CW or E1FW)	20S
Approximate weight	0.38 kg/m
Electrical characteristics	
Conductor AC resistance at 50 Hz	- Ohm/km
Inductive reactance at 50Hz	- Ohm/km
Max. DC resistance of the conductor at 20°C	13.6 Ohm/km
Rated Voltage Uo/U (Um)	0.6/ 1 (1.2) kV
Usage characteristics	
Max. conductor temperature in service	70 °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.

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

 Unenclosed touching 3 cond.

 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

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