

Control Cables (Armoured)

CU CNTRL-ARM 1.5 X 3

Contact

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Nexans Ref.: FAMQ05NG003CXWW

Country Ref.: 2059

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 commercial 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

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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	3
Conductor cross-section	1.5 mm ²
Nominal overall diameter	12.9 mm
Gland Size (CW or E1FW)	20S
Approximate weight	0.33 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 U ₀ /U (U _m)	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

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