



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

STANDARDS

Product AS/NZS 5000.3

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.

CHARACTERISTICS

Construction characteristics

Conductor material	Copper
Insulation	PVC
Outer sheath	PVC
Core identification	Black numbers

Dimensional characteristics

Number of cores	7
Conductor cross-section	1.5 mm ²
Nominal overall diameter	11.7 mm
Gland Size (A2 or A2F)	20
Approximate weight	0.23 kg/m

Electrical characteristics

Max. DC resistance of the conductor at 20°C	13.6 Ohm/km
Rated Voltage U ₀ /U	450/750 V
Rated Voltage U ₀ /U (U _m)	-

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.	 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