

Control Cables

CU CNTRL 2.5 X 3

Contact

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Nexans Ref.: EAHP07AA003CXWW

Country Ref.: 1328

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

CHARACTERISTICS

Construction characteristics

| | |
|---------------------|---------|
| Conductor material | Copper |
| Insulation | PVC |
| Outer sheath | PVC |
| Core identification | Numbers |

Dimensional characteristics

| | |
|--------------------------|---------------------|
| Number of cores | 3 |
| Conductor cross-section | 2.5 mm ² |
| Nominal overall diameter | 10.2 mm |
| Gland Size (A2 or A2F) | 20S |
| Approximate weight | 0.17 kg/m |

Electrical characteristics









| | |
|---|-------------|
| Max. DC resistance of the conductor at 20°C | 7.41 Ohm/km |
| Rated Voltage U ₀ /U | 450/750 V |

Usage characteristics

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

CURRENT CARRYING CAPACITIES (IN AMPS) - CONTROL CABLES

Control cables

| Conductor cross-section [mm²] |  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

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