



**Nexans**  
**Ref.:** BAAP11A1001AABE  
**Country Ref.:** 8105.1  
**EAN 13:** 9319215007973

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Cu conductor, PVC insulation. 0.6/1 kV. Made to AS/NZS 5000.1.

### STANDARDS

**Product** AS/NZS 5000.1

### Application

- Industrial, commercial and domestic applications
- The wiring of switch boards and control panels
- Earth wiring in houses
- Wiring where the conduit wire is run inside a protective enclosure (plastic or metal conduits)

## CHARACTERISTICS

### Construction characteristics

Colour	Blue
Insulating material	PVC
Type of conductor	Circular, stranded
Conductor material	Copper
Insulation	V-75
Conductor flexibility	Class 2
Conductor shape	Circular
With Green/Yellow core	No
With smaller neutral conductor	No

### Dimensional characteristics

Conductor cross-section	6 mm <sup>2</sup>
Nominal overall diameter	5.3 mm
Approximate weight	0.08 kg/m
Neutral conductor section (when smaller)	- mm <sup>2</sup>
Number of cores	1

### Electrical characteristics

Max. DC resistance of the conductor at 20°C	3.08 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage U <sub>0</sub> /U (Um)	0.6/ 1 (1.2) kV

### Mechanical characteristics

Cable flexibility	Rigid
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### Usage characteristics

Max. conductor temperature in service	75 °C
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## CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - CONDUIT WIRES

Copper conductor Circular stranded (except 1 mm<sup>2</sup> which is solid) Insulation PVC Max. Conductor Temperature 75C

### Conductor cross-section

[mm<sup>2</sup>]

6



Cu

47



### Note

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The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C

**CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - CONDUIT WIRES**

Copper conductor Circular stranded (except 1 mm<sup>2</sup> which is solid) Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section [mm <sup>2</sup> ]	 Cu
6	40

 Air enclosed

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- Ambient Air Temperature: 30°C