

# Conduit Wires

## CU CONDUIT 70 GNYE V75

### Contact

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**Nexans Ref.:** BAAP20AA001AAHT

**Country Ref.:** 5680

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

## DESCRIPTION

### 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)



## STANDARDS

**National AS/NZS 5000.1**

### CHARACTERISTICS

#### Construction characteristics

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

#### Dimensional characteristics

Conductor cross-section	70 mm <sup>2</sup>
Nominal overall diameter	13.5 mm
Approximate weight	0.72 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	0.268 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	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>]

70



Cu

194



Air enclosed

#### 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
70	173

 Air enclosed

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