

# Conduit Wires

CU CONDUIT 95 GNYE V75

**Nexans Ref.:** BAAP21AA001AAHT

**Country Ref.:** 5987

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

# Conduit Wires

## CU CONDUIT 95 GNYE V75

### 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                  | 95 mm <sup>2</sup> |
| Nominal overall diameter                 | 15.8 mm            |
| Approximate weight                       | 1 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    | 0.193 Ohm/km    |
| Permissible short circuit current conductor 1s | - kA            |
|                                                | 0.6/ 1 (1.2) kV |

#### Mechanical characteristics

|                   |       |
|-------------------|-------|
| Cable flexibility | Rigid |
|-------------------|-------|

#### Usage characteristics

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

### 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>]

95



Cu

242



Air enclosed

#### Note

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The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C

# Conduit Wires

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## 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<br>[mm <sup>2</sup> ]                                                  | <br>Cu |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 95                                                                                             | 209                                                                                       |
|  Air enclosed |                                                                                           |

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