

Conduit Wires

CU CONDUIT 2.5 RD V90 1HM

Nexans Ref.: BAAP07A1001AARD

Country Ref.: 5786.1

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 2.5 RD V90 1HM

CHARACTERISTICS

Construction characteristics

| | |
|--------------------------------|--------------------|
| Colour | Red |
| Insulating material | PVC |
| Type of conductor | Circular, stranded |
| Conductor material | Copper |
| Insulation | V-90 |
| With Green/Yellow core | No |
| With smaller neutral conductor | No |

Dimensional characteristics

| | |
|--|---------------------|
| Conductor cross-section | 2.5 mm ² |
| Nominal overall diameter | 3.8 mm |
| Approximate weight | 0.03 kg/m |
| Neutral conductor section (when smaller) | - mm ² |
| Number of cores | 1 |

Electrical characteristics

| | |
|---|-----------------|
| Max. DC resistance of the conductor at 20°C | 7.41 Ohm/km |
| Permissible short circuit current conductor 1s | - kA |
| Rated Voltage U _o /U (U _m) | 0.6/ 1 (1.2) kV |

Mechanical characteristics

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

Usage characteristics

| | |
|---------------------------------------|-------|
| Max. conductor temperature in service | 90 °C |
|---------------------------------------|-------|

CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - CONDUIT WIRES

Copper conductor Circular stranded (except 1 mm² which is solid) Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section

[mm²]

2.5



Cu

27



Air enclosed

Note

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The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C


Conduit Wires

CU CONDUIT 2.5 RD V90 1HM

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

Copper conductor Circular stranded (except 1 mm² which is solid) Insulation PVC Max. Conductor Temperature 75C

| Conductor cross-section [mm ²] |  Cu |
|---|--|
| 2.5 | 24 |

 Air enclosed

Note

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- Ambient Air Temperature: 30°C