

Conduit Wires

CU CONDUIT 4 WH V90 1HM

Contact

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Nexans Ref.: BAAP09A1001AAWT

Country Ref.: 8207.1

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

CHARACTERISTICS

Construction characteristics

Colour	Black
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	4 mm ²
Nominal overall diameter	4.7 mm
Approximate weight	0.06 kg/m
Neutral conductor section (when smaller)	- mm ²
Number of cores	1

Electrical characteristics

Max. DC resistance of the conductor at 20°C	4.61 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage U ₀ /U (U _m)	0.6/ 1 (1.2) kV

Mechanical characteristics

Cable flexibility	Rigid
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Usage characteristics

Max. conductor temperature in service	90 °C
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CURRENT CARRYING CAPACITIES SINGLE PHASE (IN AMPS) - CONDUIT WIRES

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

Conductor cross-section

[mm²]

4



Cu

36



Air enclosed

Note

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The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C

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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
4	32
 Air enclosed	

Note

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- Ambient Air Temperature: 30°C