Conduit Wires

CU CONDUIT 120 GNYE V75

Contact
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Nexans Ref.: BAAP23AA001AAHT
Country Ref.: 7379

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

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CHARACTERISTICS

Construction characteristics	
Colour	Green / yellow
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	120 mm²
Nominal overall diameter	17.5 mm
Approximate weight	1.23 kg/m
Neutral conductor section (when smaller)	- mm²
Number of cores	1
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	0.153 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage Uo/U (Um)	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 mm² which is solid) Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section [mm²]	Cu
120	276

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 [mm²]	Cu
120	247

Air enclosed

Note

The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C