Conduit Wires

CU CONDUIT 35 BK V75

Contact
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Nexans Ref.: BAAC18AA001AABK
Country Ref.: 7395

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

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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CHARACTERISTICS

Construction characteristics	
Colour	Black
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	35 mm²
Nominal overall diameter	10.1 mm
Approximate weight	0.38 kg/m
Neutral conductor section (when smaller)	- mm²
Number of cores	1
Electrical characteristics	
Max. DC resistance of the conductor at 20°C	0.524 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
35	128

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
35	114

Air enclosed

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