

# Conduit Wires

CU Conduit 35 GNYE V75 1HM

## Contact

Sales and Customer Solutions  
sales.nz@nexans.com

**Nexans Ref.:** BAAP18A1001AAHT

**Country Ref.:** 2057.1

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

# Conduit Wires

CU Conduit 35 GNYE V75 1HM

## Contact

Sales and Customer Solutions  
sales.nz@nexans.com

## CHARACTERISTICS

### Construction characteristics

Colour	Green / yellow
	PVC
Type of conductor	Circular, stranded
Conductor material	Copper
Insulation	V-75
With Green/Yellow core	No
With smaller neutral conductor	

### Dimensional characteristics

Conductor cross-section	35 mm <sup>2</sup>
Nominal overall diameter	10.1 mm
Approximate weight	0.38 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	0.524 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	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

Conductor cross-section


[mm<sup>2</sup>]

35



Cu

128

 Air enclosed

### Note

© Copyright Standards New Zealand 2016.

Content in this table and the typical New Zealand installation conditions are derived from AS/NZS 3008.1.2:2010 and has been reproduced or adapted with permission from Standards New Zealand under Copyright Licence 000926.

Please refer to the complete Standard for full details available for purchase from Standards New Zealand at [www.standards.co.nz](http://www.standards.co.nz).

The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C

# Conduit Wires

CU Conduit 35 GNYE V75 1HM


## Contact

Sales and Customer Solutions  
sales.nz@nexans.com

## 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 [mm <sup>2</sup> ]	 Cu
35	114

 Air enclosed

### Note

© Copyright Standards New Zealand 2016.

Content in this table and the typical New Zealand installation conditions are derived from AS/NZS 3008.1.2:2010 and has been reproduced or adapted with permission from Standards New Zealand under Copyright Licence 000926.

Please refer to the complete Standard for full details available for purchase from Standards New Zealand at [www.standards.co.nz](http://www.standards.co.nz).

The values are for typical New Zealand installation conditions of:

- Ambient Air Temperature: 30°C