



Nexans
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Stranded plain annealed copper, 450/750 V PVC insulated, PVC Flat Sheathed to AS/NZS 5000.2

STANDARDS

Product AS/NZS 5000.2

CLIMATE is a durable and robust three phase and earth cable, specifically designed for heat pump and air conditioning installations. This cable is an extension of our 'Current' twin and earth cable, with the added benefit of a blue coloured sheath for easy identification.

Application:

- General application: domestic, commercial, industrial
- Fixed applications



Conductor flexibility
Class 2



Rated Voltage Uo/U (Um)
450/750 V



Max. conductor temp. in service
90 °C

CHARACTERISTICS

Construction characteristics

With Green/Yellow core	Yes
Sheath colour	Blue
Conductor flexibility	Class 2
Conductor material	Copper
Conductor shape	Circular
Core identification	Red, White, Blue, Green/Yellow
Insulation	V-90
Outer sheath	PVC
Type of conductor	Circular, solid

Dimensional characteristics

Number of cores	3
Conductor cross-section	1 mm ²
Earth conductor cross section	1 mm ²
Nominal overall diameter	4.25 x 11.7
Approximate weight	0.09 kg/m
Cable length	100 m
Nominal insulation thickness	0.6 mm
Nominal outer sheath thickness	0.9 mm

Electrical characteristics

Rated Voltage U ₀ /U (Um)	450/750 V
Conductor AC resistance at 50 Hz	- Ohm/km
Inductive reactance at 50Hz	- Ohm/km
Max. DC resistance of the conductor at 20°C	18.1 Ohm/km

Usage characteristics

Max. conductor temperature in service	90 °C
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