

### Contact

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Nexans ref.: ENHP11AA003CXRJ

Country ref.: 8214

Cu Conductors, PVC insulation, Laid up, Black PVC sheath, 450/750 V. Made to AS/NZS 5000.2. Circular multicore with integral earth.

## DESCRIPTION

### Application

- Industrial, commercial and domestic applications
- Small mains cables.



## STANDARDS

National AS/NZS 5000.2

## CHARACTERISTICS

### Construction characteristics

Conductor material	Copper
Type of conductor	Circular, stranded
Insulation	PVC
Outer sheath	PVC
With Green/Yellow core	Yes
With smaller neutral conductor	No
Core identification	Red, White, Blue, Green/Yellow

### Dimensional characteristics

Number of cores	4
Conductor cross-section	6 mm <sup>2</sup>
Earth conductor cross section	2.5 mm <sup>2</sup>
Nominal overall diameter	14.6 mm
Gland Size (A2 or A2F)	25
Approximate weight	0.4 kg/m

### Electrical characteristics

Rated Voltage U <sub>o</sub> /U	450/750 V
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	450 / 750 V
Max. DC resistance of the conductor at 20°C (Ohm/km)	3.08

### Mechanical characteristics

Cable flexibility	Rigid
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### Usage characteristics







U.V resistance	Yes
Max. conductor temperature in service	75 °C

## CORE COLOURS

No. of Cores	Colour
3	RD, BK, GNYE
4	RD, WH, BU, GNYE
5	RD, WH, BU, BK, GNYE

## CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - THREE & FOUR CORE REMOLEX PVC

Copper conductor Circular stranded Insulation PVC Max. Conductor Temperature 75C

Conductor cross-section [mm²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
1.5	18	17	16	20	20	9
2.5	26	25	23	28	28	13
4	35	33	29	36	36	17
6	46	42	38	46	46	22
10	62	58	50	61	61	29
16	82	78	66	106	80	39



Air Spaced from Surface,  
Unenclosed



Air touching, unenclosed



Air enclosed



Buried direct



Buried in single-way duct



Cable surrounded by thermal  
insulation, unenclosed

### Note

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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
- Soil Temperature: 15°C
- Soil Thermal Resistivity: 1.2 K.m/W
- Depth of Burial: 0.5 m