



**Nexans**  
**Ref.:** DTHP13AA002CXHF  
**Country Ref.:** 8147  
**EAN 13:** 99416079079313

### CONTACT

Sales and Customer Solutions  
 Phone: 0800 639 267  
 sales.nz@nexans.com

Cu Conductors, XLPE insulation, Laid up, Black PVC sheath, 0.6/1 kV. Made to AS/NZS 5000.1. Circular multicore with integral earth.

### STANDARDS

**Product** AS/NZS 5000.1

### DESCRIPTION

Discover the next level of electrical efficiency with our Cempex Cables. Engineered for seamless installation and superior conductivity, it's the perfect choice for modern electrical wiring needs. Embrace reliability and innovation in every connection with our high-quality, durable cable solution.

- Copper conductor
- Class 2 conductor flexibility
- PVC sheathed
- XLPE insulated
- 0.6/ 1 (1.2) kV

### APPLICATION

- Industrial, commercial and domestic applications.
- For use in various situations to supply the main power from the point of supply to buildings, equipment, sheds, eg, switch board to main control cabinet, main between floors and buildings, cable cabinet to motor, etc.

### INSTALLATION

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Conductor flexibility  
**Class 2**



Rated Voltage U<sub>o</sub>/U (Um)  
**0.6/ 1 (1.2) kV**



Cable flexibility  
**Rigid**



Max.conductor temp.in service  
**90 °C**



U.V resistance  
**Yes**

### CHARACTERISTICS

#### Construction characteristics

Type of conductor	Circular compacted stranded
Conductor material	Copper
Insulation	XLPE
Outer sheath	PVC
Conductor flexibility	Class 2
Conductor shape	Circular
Core identification	Red, Black, Green/Yellow
Sheath colour	Black
With Green/Yellow core	Yes
With smaller neutral conductor	No

#### Dimensional characteristics

Number of cores	3
Conductor cross-section	10 mm <sup>2</sup>
Earth conductor cross section	4 mm <sup>2</sup>
Nominal overall diameter	14.8 mm
Gland Size (A2 or A2F)	25
Approximate weight	0.391 kg/m
Neutral conductor section (when smaller)	- mm <sup>2</sup>

#### Electrical characteristics

Max. DC resistance of the conductor at 20°C	1.83 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage U <sub>0</sub> /U (U <sub>m</sub> )	0.6/ 1 (1.2) kV

#### Mechanical characteristics

Cable flexibility	Rigid
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#### Usage characteristics

Max. conductor temperature in service	90 °C
U.V resistance	Yes

### CURRENT CARRYING CAPACITIES THREE PHASE (IN AMPS) - 3 -4 CORE PLUS EARTH CU CEMPEX CABLES

Copper Conductor Circular stranded Insulation XLPE Max. Conductor Temperature 90C

Conductor cross-section [mm <sup>2</sup> ]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
10	73	68	58	67	67	34
 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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The values in this table 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