

Cempex Cables

CU CEMPEX 4X 10+4E

Contact

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Nexans Ref.: HTHP13AA004CXEM

Country Ref.: 2658

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

DESCRIPTION



STANDARDS

National AS/NZS 5000.1

CHARACTERISTICS

Construction characteristics

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

Dimensional characteristics

Number of cores	5
Conductor cross-section	10 mm ²
Earth conductor cross section	4 mm ²
Nominal overall diameter	19.2 mm
Gland Size (A2 or A2F)	25
Approximate weight	0.66 kg/m
Neutral conductor section (when smaller)	- mm ²

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 _o /U (U _m)	0.6/ 1 (1.2) kV

Mechanical characteristics

Cable flexibility	Rigid
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Usage characteristics

Max. conductor temperature in service	90 °C
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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 ²]	 Cu	 Cu	 Cu	 Cu	 Cu	 Cu
10	73	68	58	67	67	34

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