

Cempex Cables

CU CEMPEX 4X 95+25E

Contact

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Nexans Ref.: HTHC21AA004CXEM

Country Ref.: 7214

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

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.



STANDARDS

National AS/NZS 5000.1

CHARACTERISTICS

Construction characteristics

Type of conductor	Circular compacted 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	95 mm ²
Earth conductor cross section	mm ²
Nominal overall diameter	39.1 mm
Gland Size (A2 or A2F)	50
Approximate weight	4.36 kg/m
Neutral conductor section (when smaller)	- mm ²

Electrical characteristics

Max. DC resistance of the conductor at 20°C	0.193 Ohm/km
Permissible short circuit current conductor 1s	- kA
Rated Voltage U _o /U (Um)	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
95	311	289	230	323	249	-
 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