

## Service Cable CNE – Low Voltage

### Application

**Applications:** 600/1000 Volt A.C Service Cable

**Conductor Temp:** Max 90°C

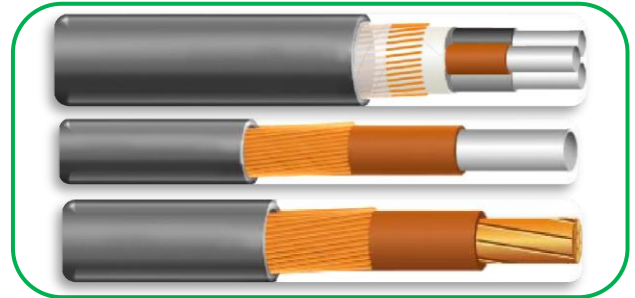
**Short circuit temperature:** Max. 250 °C

**Installation temperature:** Min. -10 °C

**Min. radius of bend:** 8 x D on 3-core cables,  
10 x D on single core cables

**Max. pulling tension:** Directly on conductor max 50 N/mm<sup>2</sup> of total conductor cross section (Cu-cables)  
Directly on conductor max 30 N/mm<sup>2</sup> of total conductor cross section (AL-cables)

**CPR Class:** ECA



### Construction

**Outer Sheath colour:** ● PVC Black

**Conductor:** Round stranded copper or solid aluminium conductor

**Insulation :** XLPE

**Colour marking of core:** Brown, Black and Grey

### Technical Properties

**Standard:** BS 7870-3.11:2011

**Marking of sheath** ELECTRIC CABLE 600/1000 V BS7870-3.11 "Dimension" "Year" "Meters" + "Year, month, date

**Rated voltage** 1000 V between phases

Material description	Material of conductor	Number of Cores	Cross section (mm <sup>2</sup> )	Cable diameter (mm)	Weight (kg/m)	Max. conductor resistance	Max. resistance concentric conductor Ω/km
CNE 1x4 Cu	Cu	1	4	12,0	0,133	4,61	4,8
CNE 1x16 CU	Cu	1	16	12,0	0,340	1,15	1,2
CNE 1x25 AL	AL	1	25	12,0	0,280	1,2	1,3
CNE 3x25 AL	AL	3	25	21,3	0,621	1,2	1,3
CNE 1x35 AL	AL	1	35	12,8	0,358	0,868	0,91
CNE 3x35 AL	AL	3	35	24,6	0,826	0,868	0,91

\*If any further information is required please contact us directly and we will be able to advise accordingly