



## ● Application

Airdac CNE cable (Combined Negative & Earth) is designed for use in supplying electricity to houses at 600V. It is typically installed in the air from pole-top distribution boxes to houses, connecting to prepaid electricity meters or main circuit breakers. These cables are used for house connections, with or without communication wires.

## ● Performance

Electrical Performance  $U_0/U$ : 600/1000V  
 Chemical Performance: Resistant to chemicals, UV, and oil  
 Mechanical Performance: Minimum bending radius: 10 times the overall diameter  
 Terminal Performance:  
 Maximum Service Temperature: 90°C  
 Maximum Short-circuit Temperature: 250°C (Max. 5s)  
 Minimum Service Temperature: -40°C  
 Fire Performance: Flame retardant according to IEC/EN 60332-1 standard

## ● Construction

Phase Conductor: Class 2 Hard Drawn Copper Conductor  
 Insulation: LV-XLPE (Cross-linked polyethylene)  
 Earth Conductor: Solid Copper Wire  
 Phase Color Code: Red & Bare Copper  
 Ripcord: Nylon  
 Binder Tape: Polyester Tape  
 Outer Sheath: XLPE/PVC/PE (Polyethylene)

## ● Specification

-SANS 1507, NRS 063 & NRS 017 Standard Airdac CNE Cable 0.6/1kV

## ● Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction. CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

## ● Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rhineland and CCS.



## ● National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

\*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

## ● Technical Parameters

Phase Conductor Nominal Cross Section Area	Earth Conductor Wires (No. X Dia.)	Pilot Cores Dia.	Overall Dia.	Cable Weight	Phase Conductor Resistance (D.C. Resistance @ 20°C)	Phase Conductor Resistance (A.C. Resistance @ 90°C)	Phase Conductor Impedance (Z)	Current (I) in Air @ 30°C
mm <sup>2</sup>	mm <sup>2</sup>	mm	mm	kg/km	Ω/km	Ω/km	Ω/km	A
4	15/0.67	1.2	5.1	123	4.61	5.4	5.49	30
6	18/0.67	1.2	9.1	156	3.08	3.6	3.7	40
10	18/0.85	1.2	6.8	244	1.83	2.1	2.19	50
16	28/0.85	1.2	7.9	359	1.15	1.47	1.39	70