



● Application

Airdac SNE Cable (Separate Neutral & Earth) is designed for house connections, specifically for single-phase supply. It is intended for aerial installation and can also be used underground for general purposes, sub-main distribution boxes, street lighting systems, and high-rise buildings. Additionally, the split concentric cable is suitable for power distribution as both an underground and overhead cable.

● Performance

Electrical Performance U0/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, Black & Bare Copper
 Ripcord: Nylon
 Binder Tape: Polyester Tape
 Outer Sheath: XLPE/PVC/PE (Polyethylene)

● Specification

-SANS 1507, NRS 063 & NRS 017 Standard Airdac SNE 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

Physical Performance						
Phase Conductor Nominal Cross Section Area	Neutral Conductor Nominal Cross Section Area	Earth Conductor Wires (No. X Dia.)	Phase Conductor Dia.	Pilot Cores Dia. or Dummy Fillers	Overall Dia.	Cable Weight
mm ²	mm ²	mm	mm	mm	mm	kg/km
4	4	3/1.35	3.8	1.2	6.5	158
6	6	3/1.38	4.3	1.2	7.1	204
10	10	3/1.78	5.1	1.2	8.7	325
16	16	3/2.20	6.2	1.2	10.6	435

Electrical Performance			
Phase Conductor Resistance (DC Resistance @ 20°C)	Phase Conductor Resistance (A.C. Resistance @ 90°C)	Phase Conductor Impedance (Z)	Current (I) in Air @ 30°C
Q/km	Q/km	Q/km	A
4.61	5.4	5.49	30
3.08	3.6	3.7	40
1.83	2.1	2.19	50
1.15	1.47	1.39	70