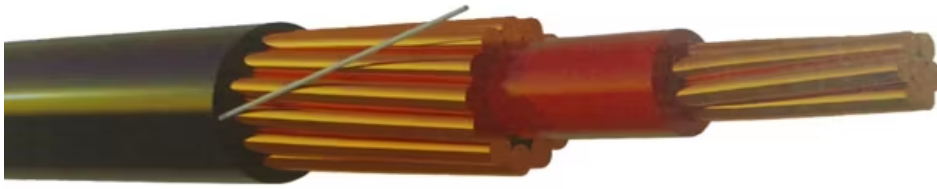


Airdac Concentric Cable



Construction

Conductor: Stranded hard-drawn copper

Insulation: Red Cross-linked Polyethylene (XLPE)

Concentric Layer:

CNE (Combined Neutral & Earth): Bare copper strands serving as both neutral and earth.

SNE (Separate Neutral & Earth): Insulated copper neutral + bare copper earth strands.

Outer Jacket: black Polyethylene (PE)

Ripcord: Nylon ripcord under sheath for easy removal

Applications

Engineered for overhead single-phase service connections from utility distribution networks to residential and commercial buildings. The cable is installed as an aerial drop between utility poles and building entry points, requiring no additional conduit.

CNE configurations are ideal for Protective Multiple Earthing (PME) systems.

SNE configurations provide separate neutral and earth conductors for applications requiring distinct grounding.

Standards

Design Standard: SANS 1507-6, IEC 60502-1

Environmental: RoHS, REACH compliant

Certifications: CE, UKCA



Specification

Related Voltage	0.6/1 kV
Temperature Range	Max 90°C, Min -15°C
Permissible short circuit temperature at the conductor	+250°C (Short circuit duration max. 5 s)
Minimum bending radius	6x

Technical Data

Size (mm ²)	Phase Conductor Structure (No./mm)	Phase Conductor O.D (mm)	XLPE Insulation Thickness (mm)	XLPE Insulation O.D (mm)	Earth Conductor Structure (No./mm)	Neutral Conductor Structure (No./mm)	Pilot Core Structure (No./mm)	PE Sheath Thickness (mm)	PE Sheath O.D (mm)	Approx. Weight (kg/km)
4	7/0.92	2.76	1.0	4.76	3/1.05	7/0.86	2/1.13	1.4	10.0	168
10	7/1.35	4.05	1.0	6.05	3/1.78	7/1.33	2/1.13	1.6	12.7	334
16	7/1.70	5.10	1.0	7.10	3/2.20	7/1.76	2/1.13	1.6	14.5	502