***MOGOGA ENERGY BOTS***

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***5 MAY 2025***

***Att: Ambassador Ukraine Embassy, Gaborone, Botswana***

***REFFERENCE; UKRAINE MANUFACTURES PARTNERSHIP REQUEST FOR ELECTRIC CABLES AND BOTSWANA SPECS.***

**CABLES SPECTS**

Airdac SNE Cable

Electrical Properties

|  |  |
| --- | --- |
| Cable Size (mm2) | 16 |
| Phase conductor resistance (Ohm/km) DC @ 20oC | 1.20 |
| Earth size (mm2) | 10 |
| Neutral size (mm2) | 16 |
| Phase core Impedance (Z) (Ohm/km) | 1.47 |
| Current Rating\* (A) | 70 |
| Pilot cores (No. x OD) Solid (mm) | 2 x 1.13 |

Mechanical Properties

|  |  |
| --- | --- |
| Cable Size (mm2) | 16 |
| Phase conductor (No. x OD) (mm) | 7 x 1.67 |
| Nominal insulation thickness (mm) | 1.0 |
| Neutral conductor (No. OD) (mm) | 7 x 1.76 |
| Earth conductor (No. x OD) (mm) | 3 x 2.20 |
| Nominal Sheath Thickness (mm) | 1.6 |
| Approximate Cable OD (mm) | 14.5 |
| Approximate Cable Mass (kg/km) | 485 |