



ELAND[®]
CABLES

NA2XS(F)2Y Aluminium Conductor XLPE PE - 18-30 (36)kV Cable



Eland Product Group: A9X

APPLICATION

Medium voltage cables for distribution networks; also for connection to generation units and plant and process connection. To be laid directly in ground, outdoors, indoors and in cable ducts. The swellable tape provides additional waterblocking properties, making the cable longitudinally water tight and preventing water propagation along the cable.

CHARACTERISTICS

Voltage Rating U_0/U (Um)
18/30 (36)kV

Temperature Rating
-20°C to +90°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded aluminium conductor

Inner Semi-Conductive Layer
Semi-conductive material

Insulation
XLPE (Cross-Linked Polyethylene)

Outer Semi-Conductive Layer
Semi-conductive material

Screen
Copper wires and copper tape

Tape
Water-swellable tape

Sheath
PE (Polyethylene)

Sheath Colour
● Black

STANDARDS

DIN VDE 0276-620, HD 620, EN 60228, IEC 60502-2

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



8578



FS 672069



EMS 672067



OHS 672066

REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



KN 034287





DIMENSIONS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA mm ² | | NOMINAL OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|----------------|--------------|---|--------------------|-----------------------------------|----------------------------|
| | | Conductor | Copper Wire Screen | | |
| A9XAF30KV1050 | 1 | 50 | 16 | 38 | 1100 |
| A9XAF30KV1070 | 1 | 70 | 16 | 40 | 1200 |
| A9XAF30KV1095 | 1 | 95 | 16 | 41 | 1350 |
| A9XAF30KV1120 | 1 | 120 | 16 | 43 | 1450 |
| A9XAF30KV1150 | 1 | 150 | 25 | 44 | 1700 |
| A9XAF30KV1185 | 1 | 185 | 25 | 46 | 1850 |
| A9XAF30KV1240 | 1 | 240 | 25 | 48 | 2050 |
| A9XAF30KV1300 | 1 | 300 | 25 | 51 | 2350 |
| A9XAF30KV1400 | 1 | 400 | 35 | 54 | 2800 |

ELECTRICAL CHARACTERISTICS

| NOMINAL CROSS SECTIONAL AREA mm ² | | CURRENT CARRYING CAPACITY Amps | |
|---|--------------------|-----------------------------------|--------|
| Conductor | Copper Wire Screen | In Ground | In Air |
| 50 | 16 | 174 | 187 |
| 70 | 16 | 213 | 232 |
| 95 | 16 | 254 | 282 |
| 120 | 16 | 289 | 325 |
| 150 | 25 | 322 | 367 |
| 185 | 25 | 364 | 421 |
| 240 | 25 | 422 | 496 |
| 300 | 25 | 476 | 568 |
| 400 | 35 | 541 | 650 |

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.