NA2XSY Aluminium Conductor
XLPE PVC - 12/20 (24)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.

CHARACTERISTICS

Voltage Rating Uo/U (Um)
12/20 (24)kV

Temperature Rating
Fixed: -20°C to +70°C
Flexible: -5°C to +70°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

Sheath
PVC (Polyvinyl Chloride)

Sheath Colour
Red

STANDARDS

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

Flame Retardant according to BS EN IEC 60332-1-2

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.

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™.
## DIMENSIONS

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTIONAL AREA ( \text{mm}^2 )</th>
<th>NOMINAL OVERALL DIAMETER ( \text{mm} )</th>
<th>NOMINAL WEIGHT ( \text{kg/km} )</th>
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<td>Copper Wire Screen</td>
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## ELECTRICAL CHARACTERISTICS

| NOMINAL CROSS SECTIONAL AREA \( \text{mm}^2 \) | CURRENT CARRYING CAPACITY \( \text{Amps} \) |
|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Conductor | Copper Wire Screen | In Ground | In Air | Conductor | Copper Wire Screen | In Ground | In Air | Conductor | Copper Wire Screen | In Ground | In Air | Conductor | Copper Wire Screen | In Ground | In Air | Conductor | Copper Wire Screen | In Ground | In Air | Conductor | Copper Wire Screen | In Ground | In Air |
| 50        | 16                 | 172          | 185          | 70        | 16                 | 210          | 231          | 95        | 16                 | 251          | 280          | 120       | 16                 | 285          | 323          | 150       | 25                 | 319          | 366          | 185       | 25                 | 361          | 420          | 240       | 25                 | 417          | 496          | 300       | 25                 | 471          | 569          | 400       | 35                 | 535          | 660          |

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.