

# 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**  $U_0/U$  (Um)  
12/20 (24)kV

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

**Minimum Bending Radius**  
15 x overall diameter

## CONSTRUCTION

### Conductor

Class 2 stranded aluminium conductor

### Conductor Screen

Semi-conductive material

### Insulation

XLPE (Cross-Linked Polyethylene)

### Insulation Screen

Semi-conductive material

### Screen

Copper wires

### Sheath

PVC (Polyvinyl Chloride)

### Sheath Colour

● Red

## STANDARDS

EN 60228, IEC 60502-2

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

## THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



## SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](https://www.elandcables.com/company/about-us/esg-sustainability)



## REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> |                    | NOMINAL<br>OVERALL DIAMETER<br>mm | NOMINAL<br>WEIGHT<br>kg/km |
|----------------|--------------|---|--------------------|-----------------------------------|----------------------------|
|                |              | Conductor                                       | Copper Wire Screen |                                   |                            |
| A9XA20KV1050   | 1            | 50  | 16                 | 33                                | 950                        |
| A9XA20KV1070   | 1            | 70  | 16                 | 35                                | 1050                       |
| A9XA20KV1095   | 1            | 95  | 16                 | 36                                | 1150                       |
| A9XA20KV1120   | 1            | 120   | 16                 | 38                                | 1300                       |
| A9XA20KV1150   | 1            | 150   | 25                 | 39                                | 1500                       |
| A9XA20KV1185   | 1            | 185   | 25                 | 41                                | 1650                       |
| A9XA20KV1240   | 1            | 240   | 25                 | 44                                | 1850                       |
| A9XA20KV1300   | 1            | 300   | 25                 | 46                                | 2100                       |
| A9XA20KV1400   | 1            | 400   | 35                 | 49                                | 2550                       |

## ELECTRICAL CHARACTERISTICS

| NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> |                    | CURRENT CARRYING CAPACITY<br>Amps |        |
|---|--------------------|-----------------------------------|--------|
| 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.