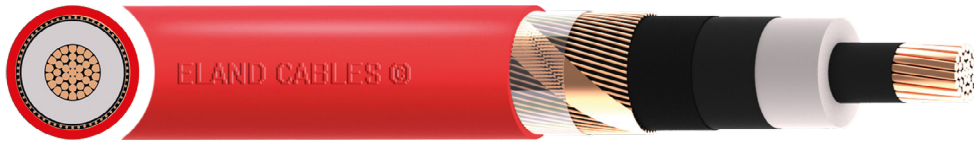


## N2XSX XLPE PVC - 18/30 (36)kV Cable



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.

### CHARACTERISTICS

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

**Test Voltage**  
63kV

**Temperature Rating**  
Fixed: -20°C to +90°C

**Minimum Bending Radius**  
15 x overall diameter

### CONSTRUCTION

**Conductor**  
Stranded copper 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

Flame Retardant according to IEC/EN 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.



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 636267





## DIMENSIONS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA<br>mm <sup>2</sup> |                    | MINIMUM OVERALL DIAMETER<br>mm | MAXIMUM OVERALL DIAMETER<br>mm | NOMINAL WEIGHT<br>kg/km |
|----------------|--------------|---|--------------------|--------------------------------|--------------------------------|-------------------------|
|                |              | Conductor                                       | Copper Wire Screen |                                |                                |                         |
| A9X30KV1050    | 1            | 50  | 16                 | 33                             | 38                             | 1450                    |
| A9X30KV1070    | 1            | 70  | 16                 | 35                             | 40                             | 1700                    |
| A9X30KV1095    | 1            | 95  | 16                 | 36                             | 41                             | 2050                    |
| A9X30KV1120    | 1            | 120   | 16                 | 38                             | 43                             | 2300                    |
| A9X30KV1150    | 1            | 150   | 25                 | 39                             | 44                             | 2700                    |
| A9X30KV1185    | 1            | 185   | 25                 | 41                             | 46                             | 3100                    |
| A9X30KV1240    | 1            | 240   | 25                 | 43                             | 48                             | 3700                    |
| A9X30KV1300    | 1            | 300   | 25                 | 46                             | 51                             | 4350                    |
| A9X30KV1400    | 1            | 400   | 35                 | 49                             | 54                             | 5300                    |
| A9X30KV1500    | 1            | 500   | 35                 | 52                             | 57                             | 6450                    |

## 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                 | 225                               | 241    |
| 70  | 16                 | 274                               | 299    |
| 95  | 16                 | 327                               | 363    |
| 120   | 16                 | 371                               | 418    |
| 150   | 25                 | 414                               | 472    |
| 185   | 25                 | 466                               | 539    |
| 240   | 25                 | 539                               | 635    |
| 300   | 25                 | 606                               | 725    |
| 400   | 35                 | 680                               | 831    |
| 500   | 35                 | 765                               | 953    |

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.