N2XSY 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.

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)

CABLE STANDARDS
DIN VDE 0276-620, HD 620 S1, DIN/BS EN 60228, BS EN/IEC 60332-1-2

The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

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

Test Voltage
42kV

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

Short Circuit Temperature
+250°C

Minimum Bending Radius
15 x overall diameter

Sheath Colour
Red
**DIMENSIONS**

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTIONAL AREA</th>
<th>MINIMUM OVERALL DIAMETER mm</th>
<th>MAXIMUM OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
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<tbody>
<tr>
<td></td>
<td>Conductor mm²</td>
<td>Copper Wire Screen mm²</td>
<td></td>
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<tr>
<td>A9X20KV1035</td>
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<td>35 RM/16</td>
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<td>32</td>
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<td>50 RM/16</td>
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<td>33</td>
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<tr>
<td>A9X20KV1070</td>
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<td>70 RM/16</td>
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<tr>
<td>A9X20KV1095</td>
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<tr>
<td>A9X20KV1120</td>
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<td>33</td>
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<tr>
<td>A9X20KV1150</td>
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</table>

* trefoil touching arrangement

**ELECTRICAL CHARACTERISTICS**

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<tr>
<th>ELAND PART NO.</th>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTIONAL AREA</th>
<th>CURRENT CARRYING CAPACITY</th>
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<tr>
<td></td>
<td>Conductor mm²</td>
<td>Copper Wire Screen mm²</td>
<td>In Ground Amps</td>
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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.