N2XS(FL)2Y - 6/10 (12)kV Cable

Eland Product Group: A9X

APPLICATION
Medium voltage cables for distribution networks; also for connection to generation units and plant and process connection. For installation in ground, in water outdoors, indoors and in cable ducts for power stations, industry, and distribution networks. The water blocking tape avoids water propagation inside the cable.

CHARACTERISTICS

Voltage Rating \( U_0/U \) (\( U_m \))
6/10 (12)kV

Temperature Rating
-20°C to +90°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
Class 2 stranded copper conductor

Inner Semi-Conductive Layer
Semi-conductive material

Insulation
XLPE (Cross-Linked Polyethylene)

Outer Semi-Conductive Layer
Semi-conductive material

Tape 1
Water-swellable tape

Screen
Copper wires and copper tape

Tape 2
Aluminium foil tape tightly bonded to sheath

Outer Sheath
PE (Polyethylene)

Sheath Colour
● Black

STANDARDS

DIN VDE 0276-620, HD 620, BS EN/IEC 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.

REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and 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 mm²</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Conductor</td>
<td>Copper Wire Screen</td>
<td></td>
</tr>
<tr>
<td>A9XFL10KV1035</td>
<td>1</td>
<td>35</td>
<td>16</td>
<td>29</td>
</tr>
<tr>
<td>A9XFL10KV1050</td>
<td>1</td>
<td>50</td>
<td>16</td>
<td>30</td>
</tr>
<tr>
<td>A9XFL10KV1070</td>
<td>1</td>
<td>70</td>
<td>16</td>
<td>32</td>
</tr>
<tr>
<td>A9XFL10KV1095</td>
<td>1</td>
<td>95</td>
<td>16</td>
<td>33</td>
</tr>
<tr>
<td>A9XFL10KV1120</td>
<td>1</td>
<td>120</td>
<td>16</td>
<td>35</td>
</tr>
<tr>
<td>A9XFL10KV1150</td>
<td>1</td>
<td>150</td>
<td>25</td>
<td>36</td>
</tr>
<tr>
<td>A9XFL10KV1185</td>
<td>1</td>
<td>185</td>
<td>25</td>
<td>38</td>
</tr>
<tr>
<td>A9XFL10KV1240</td>
<td>1</td>
<td>240</td>
<td>25</td>
<td>40</td>
</tr>
<tr>
<td>A9XFL10KV1300</td>
<td>1</td>
<td>300</td>
<td>25</td>
<td>42</td>
</tr>
<tr>
<td>A9XFL10KV1400</td>
<td>1</td>
<td>400</td>
<td>35</td>
<td>46</td>
</tr>
<tr>
<td>A9XFL10KV1500</td>
<td>1</td>
<td>500</td>
<td>35</td>
<td>49</td>
</tr>
</tbody>
</table>

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.