YMz1 Krasdlwd 18/30kV Cable

CONSTRUCTION

Conductor
Stranded Aluminium

Insulation
XLPE (Cross-Linked Polyethylene)

Screen
Copper wires and tape

Outer Sheath
LSZH (Low Smoke Zero Halogen) in accordance with IEC 61034
Halogen Free in accordance with IEC 60754

CABLE STANDARDS

UV Resistant, Longitudinal water blocking, Radial water blocking HD 620-103/JEN 3620
Flame Retardant according to NEN-EN 60332-3-24 Cat C

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.

BSI KITEMARK™ TESTED

CHARACTERISTICS

Voltage Rating
18/30kV

Temperature Rating
Maximum Conductor Short-Circuit Temp up to 5 sec: 250°C
Maximum Continuous Conductor Temp: 90°C

Minimum Bending Radius
15 x overall diameter

Sheath Colour
Red

DIMENSIONS

<table>
<thead>
<tr>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTONAL AREA mm²</th>
<th>NOMINAL CROSS SECTIONAL AREA OF SCREEN mm²</th>
<th>NOMINAL DIAMETER OVER CONDUCTOR mm</th>
<th>NOMINAL THICKNESS OF INSULATION mm</th>
<th>NOMINAL THICKNESS OF SEMI-CONDUCTIVE LAYER mm (Inner)</th>
<th>NOMINAL DIAMETER OVER INSULATION mm</th>
<th>NOMINAL THICKNESS OF OUTER SHEATH mm</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>630</td>
<td>35</td>
<td>30.2</td>
<td>8</td>
<td>0.5 (Fully Bonded)</td>
<td>48.5</td>
<td>2.7</td>
<td>58</td>
<td>4000</td>
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ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>NOMINAL CROSS SECTIONAL AREA mm²</th>
<th>NOMINAL SHORT-CIRCUIT CURRENT FOR 1 SECOND kA</th>
<th>MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C Ohm/km</th>
<th>CONDUCTOR AC RESISTANCE BY MAX TEMPERATURE Ohm/km</th>
<th>CURRENT CARRYING CAPACITY A</th>
<th>CONDUCTOR LOSSES IN THE GROUND kW/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>630</td>
<td>59.22</td>
<td>0.0469</td>
<td>0.0640</td>
<td>730</td>
<td>818</td>
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