YMz1Krasdlwd 12/20kV 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 60745

CABLE STANDARDS

UV Resistant, Longitudinal water blocking, Radial water blocking HD 620-10J/NEN 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

Cables are tested and verified by The Cable Lab® to confirm they meet the quality standards required of the BSI Cable Testing Verification Kitemark™

CHARACTERISTICS

Voltage Rating
12/20kV

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

Minimum Bending Radius
12 x overall diameter

Sheath Colour
Red

DIMENSIONS

<table>
<thead>
<tr>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTIONAL 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</th>
<th>NOMINAL DIAMETER OVER INSULATION mm</th>
<th>NOMINAL THICKNESS OF SHEATH mm</th>
<th>NOMINAL OVERALL DIAMETER mm</th>
<th>NOMINAL WEIGHT kg/km</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>95</td>
<td>70</td>
<td>11.4</td>
<td>5.5</td>
<td>0.5</td>
<td>0.4 (Fully Bonded)</td>
<td>25</td>
<td>3.5</td>
<td>65</td>
</tr>
</tbody>
</table>

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>95</td>
<td>8.93</td>
<td>0.320</td>
<td>0.412</td>
<td>244</td>
<td>251</td>
</tr>
</tbody>
</table>

UK  T 020 7241 8787 | F 020 7241 8700 | sales@elandcables.com | www.elandcables.com
International  T +44 20 7241 8740 | F +44 20 7241 8700 | international@elandcables.com