YMz1Krvasdlwd 12/20kV Cable

APPLICATION

LSZH Medium Voltage cable with copper conductors offering a lightweight alternative to aluminium conductor alternatives. Suitable for use in conduit and for fixed, protected installation. For installations where fire, smoke emission and toxic fume create a potential risk to life and equipment.

CHARACTERISTICS

**Voltage Rating** Uo/U
12/20kV

**Temperature Rating**
Fixed: 0°C to +90°C
Maximum Conductor Short-Circuit Temp up to 5 sec: 250°C

**Minimum Bending Radius**
15 x overall diameter

CONSTRUCTION

**Conductor**
Class 2 Stranded Copper

**Inner Semi-Conductive Layer**
Semi-Conductive Material

**Insulation**
XLPE (Cross-Linked Polyethylene)

**Outer Semi-Conductive Layer**
Semi-Conductive Material

**Screen**
Copper wires and tape

**Tape**
Longitudinal and Radial Water Blocking

**Outer Sheath**
LSZH (Low Smoke Zero Halogen) UV Resistant

**Sheath Colour**
Red

STANDARDS

Generally to HD 620-10J / NEN 3620
Fire Resistant to IEC/EN 60332-1-2, IEC/EN 60332-3-24 Cat.C

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 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</th>
<th>NOMINAL CROSS SECTIONAL AREA OF SCREEN</th>
<th>NOMINAL DIAMETER OVER CONDUCTOR</th>
<th>NOMINAL THICKNESS OF INSULATION</th>
<th>NOMINAL THICKNESS OF SEMI-CO ndUCTIVE LAYER</th>
<th>NOMINAL THICKNESS OF SHEATH</th>
<th>NOMINAL OVERALL DIAMETER</th>
<th>NOMINAL WEIGHT</th>
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### ELECTRICAL CHARACTERISTICS

#### Single Core

<table>
<thead>
<tr>
<th>NOMINAL CROSS SECTIONAL AREA</th>
<th>NOMINAL SHORT-CIRCUIT OF CONDUCTOR CURRENT FOR 1 SECOND</th>
<th>MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C</th>
<th>CONDUCTOR AC RESISTANCE BY MAXIMUM TEMPERATURE</th>
<th>CURRENT CARRYING CAPACITY</th>
<th>CONDUCTOR LOSSES IN THE GROUND</th>
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<tbody>
<tr>
<td></td>
<td>(kA)</td>
<td>OHM/km</td>
<td>(Ω/km)</td>
<td>IN Ground 20°C</td>
<td>IN Air 30°C</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.