YMz1Krvsdlw 18/30kV Cable

Eland Product Group: B9X

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
8.7/15kV

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

Outer Sheath
LSZH (Low Smoke Zero Halogen) UV Resistant

Sheath Colour
Red

STANDARDS
Generally to HD 620-10J / NEN 3620
Fire Resistant to BS EN/IEC 60332-1-2,
BS EN/IEC 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 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™.

RoHS Trusted
KITEMARK™
KM 634267

British Standards Institute
ISO/IEC 17025
Laboratory

ISO 9001
Quality Management

ISO 14001
Environmental Management

BSI PAS 99
Occupational Health and Safety Management

BSI Kitemark®

B9X
FS 672069
OHS 672066
EMS 672067

UKAS

bsi

BSI

ISO 9001
Quality Management

ISO 14001
Environmental Management

BHSAS

18001
Occupational Health and Safety Management

RoHS Kitemark®

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Quality Management

ISO 14001
Environmental Management

BHSAS

18001
Occupational Health and Safety Management

RoHS Kitemark®
## DIMENSIONS

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<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-CONDUCTIVE 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>
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<tr>
<th>NOMINAL CROSS SECTIONAL AREA</th>
<th>NOMINAL SHORT-CIRCUIT 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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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.