**H1XDV-AS Cable**

Eland Product Group: B3A

**APPLICATION**
The H1XDV-AS is a French standard underground power distribution cable suitable for fixed installation, inside or outside, buried or concreted with a higher risk of mechanical damage.

**CHARACTERISTICS**

**Voltage Rating** Uo/U
0.6/1kV

**Temperature Rating**
Minimum laying temperature: -5°C
Operating temperature: -15°C to +60°C
Maximum Conductor temperature: +90°C

**Short Circuit Temperature**
250°C

**Minimum Bending Radius**
Single core: 15 x overall diameter
Multi-core: 12 x overall diameter

**CONSTRUCTION**

**Conductor**
RE: Class 1 round solid aluminium
RM: Class 2 round stranded aluminium
SM: Class 2 sector shaped stranded aluminium

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

**Armour**
Steel Tape

**Outer Sheath**
PVC (Polyvinyl Chloride) UV resistant

**Core Identification**
3 core: ● Black ● Brown ● Grey

**Outer Sheath Colour**
● Black

**STANDARDS**
NF C32-321, NF C33-210

Flame retardant according to NF C 32-070

**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 is compliant with European Regulation EN 50575, the Construction Products Regulation.

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>
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<tbody>
<tr>
<td>B3A03095/50BK</td>
<td>3</td>
<td>95+50</td>
<td>33.9</td>
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### ELECTRICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTIONAL AREA mm²</th>
<th>CURRENT CARRYING CAPACITY (A)</th>
<th>MAXIMUM CONDUCTOR RESISTANCE AT 20°C Ω/km</th>
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<tbody>
<tr>
<td></td>
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<td>AIR</td>
<td>GROUND</td>
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<tr>
<td>3</td>
<td>95+50</td>
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<tr>
<td>3</td>
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<td>300</td>
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<tr>
<td>3</td>
<td>240+95</td>
<td>439</td>
<td>337</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.