

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 U_0/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

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



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, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

| ELAND PART NO. | NO. OF CORES | NOMINAL CROSS SECTIONAL AREA mm ² | NOMINAL OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|----------------|--------------|---|--------------------------------|-------------------------|
| B3A03095/50BK | 3 | 95+50 | 33.9 | 1650 |
| B3A03150/70BK | 3 | 150+70 | 41.4 | 2300 |
| B3A03240/95BK | 3 | 240+95 | 51.4 | 3450 |

ELECTRICAL CHARACTERISTICS

| NO. OF CORES | NOMINAL CROSS SECTIONAL AREA mm ² | CURRENT CARRYING CAPACITY (A) | | MAXIMUM CONDUCTOR RESISTANCE AT 20°C Ω/km |
|--------------|---|----------------------------------|--------|--|
| | | AIR | GROUND | |
| 3 | 95+50 | 241 | 234 | 0.2975 |
| 3 | 150+70 | 324 | 300 | 0.1884 |
| 3 | 240+95 | 439 | 337 | 0.1178 |

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.