

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_o/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

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.