



LXHI1AE 8.7/15kV Cable



Eland Product Group: MP22

APPLICATION

Portuguese Medium Voltage Cable for power distribution and power supply stations used in Utility and Industrial applications, with a rated voltage of 8.7/15kV. Suitable for fixed installations, including directly buried. Good mechanical protection.

CHARACTERISTICS

Voltage Rating U₀/U (Um)
8.7/15 (17.5)kV

Temperature Rating

Conductor maximum operating temperature: 90°C
Maximum short-circuit temperature: 250°C

Minimum Bending Radius

During installation: 20 x overall diameter
After installation: 15 x overall diameter

CONSTRUCTION

Conductor

Class 2 stranded Aluminium

Conductor Screen

Semi-conductive XLPE (Cross-Linked Polyethylene)

Insulation

XLPE (Cross-Linked Polyethylene)

Insulation Screen

Semi-conductive XLPE (Cross-Linked Polyethylene)

Metallic Screen

Copper tape screen

Inner Sheath

PVC (Polyvinyl Chloride)

Armour

Two aluminium tapes helically applied

Sheath

PE (Polyethylene)

Sheath Colour

● Black

STANDARDS

IEC 60228, IEC 60502-2,

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

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL DIAMETER mm		NOMINAL WEIGHT kg/km
			Over Insulation	Overall	
MP2215KV01025	1	25	17.0	29.5	1005
MP2215KV01035	1	35	18.0	30.5	1075
MP2215KV01050	1	50	19.0	31.5	1150
MP2215KV01070	1	70	20.5	33.5	1270
MP2215KV01095	1	95	22.5	35.0	1430
MP2215KV01120	1	120	24.0	37.0	1575
MP2215KV01150	1	150	25.5	38.5	1720
MP2215KV01185	1	185	27.0	40.0	1885
MP2215KV01240	1	240	29.0	42.5	2150
MP2215KV01300	1	300	32.0	45.5	2455
MP2215KV01400	1	400	35.0	48.5	2850
MP2215KV01500	1	500	38.0	52.0	3300
MP2215KV01630	1	630	42.5	56.5	3950

ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CURRENT CARRYING CAPACITY Amps		CONDUCTOR MAXIMUM SHORT-CIRCUIT CURRENT. T=1S kA	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C ohm/km	INDUCTANCE mH/km	CAPACITANCE µF/km
		In air	Buried				
1	25	130	127	2.4	1.2000	0.48	0.18
1	35	157	151	3.3	0.8680	0.46	0.19
1	50	187	179	4.7	0.6410	0.43	0.21
1	70	234	219	6.6	0.4430	0.41	0.24
1	95	284	261	9.0	0.3200	0.39	0.27
1	120	329	298	11.3	0.2530	0.37	0.29
1	150	372	333	14.2	0.2060	0.36	0.31
1	185	425	376	17.5	0.1640	0.35	0.34
1	240	501	435	22.7	0.1250	0.34	0.37
1	300	579	493	28.3	0.1000	0.32	0.42
1	400	674	563	37.8	0.0778	0.31	0.46
1	500	790	641	47.2	0.0605	0.30	0.51
1	630	917	732	59.5	0.0469	0.29	0.58

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.