

## LXHI1RE 18/30kV Cable



Eland Product Group: MP30

### APPLICATION

Portuguese referenced Medium Voltage cable for power distribution and power supply stations used in Utility and Industrial applications, for rated voltages up to 18/30kV. Suitable for fixed installations, directly buried. Good mechanical protection.

### CHARACTERISTICS

**Voltage Rating** U<sub>o</sub>/U (U<sub>m</sub>)  
18/30 (36)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 circular 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

Extruded PVC (Polyvinyl Chloride)

#### Armour

AWA - Aluminium wires, helically applied, tightened with plastic tapes

#### Sheath

PE (Polyethylene) type ST7

#### 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.



8578



FS 672069



EMS 672067



OHS 672066

### 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™.



KM 036287





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL DIAMETER mm		NOMINAL WEIGHT kg/km
			Over Insulation	Overall	
MP3030KV01050	1	50	26.0	39.0	1595
MP3030KV01070	1	70	27.5	41.0	1760
MP3030KV01095	1	95	29.5	42.5	1920
MP3030KV01120	1	120	31.0	44.5	2105
MP3030KV01150	1	150	32.5	46.0	2250
MP3030KV01185	1	185	34.0	47.5	2460
MP3030KV01240	1	240	36.0	50.0	2780
MP3030KV01300	1	300	39.0	53.5	3125
MP3030KV01400	1	400	42.0	56.5	3585
MP3030KV01500	1	500	45.0	59.5	4020
MP3030KV01630	1	630	49.5	64.5	4765

## ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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	50	191	178	4.7	0.641	0.48	0.14
1	70	238	218	6.6	0.443	0.45	0.16
1	95	288	260	9.0	0.320	0.43	0.17
1	120	333	297	11.3	0.253	0.41	0.19
1	150	376	332	14.2	0.206	0.40	0.20
1	185	430	375	17.5	0.164	0.39	0.21
1	240	506	435	22.7	0.125	0.37	0.24
1	300	584	493	28.3	0.100	0.36	0.26
1	400	679	563	37.8	0.0778	0.34	0.29
1	500	786	642	47.2	0.0605	0.33	0.31
1	630	920	734	59.5	0.0469	0.32	0.35

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.