

## LXHIORE 18/30kV Cable



Eland Product Group: MP60

### APPLICATION

Portuguese Medium Voltage cable for power distribution and power supply stations used in Utility and Industrial applications, with a rated voltage of 18/30kV. Suitable for fixed installations including directly buried. Good mechanical protection.

### CHARACTERISTICS

**Voltage Rating**  $U_0/U$  (Um)  
18/30 (36)kV

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

**Minimum Bending Radius**  
During installation: 15 x overall diameter  
After installation: 10 x overall diameter

### CONSTRUCTION

**Conductor**  
Class 2 Aluminium, circular, stranded

**Conductor Screen**  
Semi-conductive XLPE (Cross-Linked Polyethylene)

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

**Insulation Screen**  
Semi-conductive XLPE (Cross-Linked Polyethylene)

**Metallic Screen**  
Copper wire screen

**Tape**  
Plastic tape

**Filler**  
Extruded polymeric material

**Bedding**  
PE (Polyethylene)

**Armour**  
SWA (Galvanised Steel Wire Armoured)

**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 GROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL DIAMETER mm		NOMINAL WEIGHT kg/km
			Over Insulation	Overall	
MP6030KV03050	3	50	26.0	76.0	6700
MP6030KV03070	3	70	27.5	80.0	7445
MP6030KV03095	3	95	29.5	85.5	9015
MP6030KV03120	3	120	31.0	89.5	9895

## ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL GROSS 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				
3	50	159	162	4.7	0.6410	0.45	0.14
3	70	196	198	6.6	0.4430	0.41	0.16
3	95	238	236	9.0	0.3200	0.39	0.17
3	120	274	268	11.3	0.2530	0.38	0.19

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.