

LXHI1RE 3.6/6kV Cable



Eland Product Group: MP30

APPLICATION

Portuguese Medium voltage cable for power distribution and power supply stations used in Utility and Industrial applications, for rated voltages up to 3.6/6kV. Suitable for fixed installations, directly buried. Good mechanical protection.

CHARACTERISTICS

Voltage Rating U₀/U (U_m)
3.6/6 (7.2)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 ²	NOMINAL DIAMETER mm		NOMINAL WEIGHT kg/km
			Over Insulation	Overall	
MP3006KV01025	1	25	12.5	25.5	810
MP3006KV01035	1	35	13.5	26.5	870
MP3006KV01050	1	50	15.0	27.5	940
MP3006KV01070	1	70	16.5	29.0	1050
MP3006KV01095	1	95	18.0	31.0	1180
MP3006KV01120	1	120	20.0	32.5	1315
MP3006KV01150	1	150	21.0	34.0	1450
MP3006KV01185	1	185	22.5	35.5	1605
MP3006KV01240	1	240	25.5	38.5	1875
MP3006KV01300	1	300	28.5	42.0	2190
MP3006KV01400	1	400	32.0	45.5	2595
MP3006KV01500	1	500	35.0	49.0	3035
MP3006KV01630	1	630	40.0	54.0	3690

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	127	127	2.4	1.2000	0.44	0.27
1	35	153	151	3.3	0.8680	0.42	0.30
1	50	183	179	4.7	0.6410	0.40	0.33
1	70	229	219	6.6	0.4430	0.38	0.38
1	95	279	262	9.0	0.3200	0.36	0.42
1	120	324	299	11.3	0.2530	0.34	0.47
1	150	366	334	14.2	0.2060	0.33	0.51
1	185	420	377	17.5	0.1640	0.32	0.55
1	240	497	437	22.7	0.1250	0.32	0.60
1	300	575	493	28.3	0.1000	0.31	0.63
1	400	671	563	37.8	0.0778	0.30	0.66
1	500	779	641	47.2	0.0605	0.29	0.69
1	630	915	732	59.5	0.0469	0.28	0.79

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.