

LXHIO1RE 6/10kV Cable



Eland Product Group: MP32

APPLICATION

Portuguese reference medium voltage cable for power distribution and power supply stations used in Utility and Industrial applications, for rated voltages up to 6/10kV. Suitable for fixed installations, directly buried. Good mechanical protection.

CHARACTERISTICS

Voltage Rating U_o/U (Um)
6/10 (12)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 wire screen

Inner Sheath
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.



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	
MP3210KV01025	1	25	14.5	27.5	900
MP3210KV01035	1	35	15.5	28.5	965
MP3210KV01050	1	50	17.0	29.5	1035
MP3210KV01070	1	70	18.5	31.0	1155
MP3210KV01095	1	95	20.0	33.0	1290
MP3210KV01120	1	120	22.0	34.5	1445
MP3210KV01150	1	150	23.0	36.0	1565
MP3210KV01185	1	185	24.5	37.5	1745
MP3210KV01240	1	240	27.0	40.0	1980
MP3210KV01300	1	300	30.0	43.0	2275
MP3210KV01400	1	400	32.5	46.0	2655
MP3210KV01500	1	500	35.5	49.0	3065
MP3210KV01630	1	630	40.5	54.5	3725

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	129	127	2.4	1.2000	0.46	0.22
1	35	155	151	3.3	0.8680	0.44	0.24
1	50	185	179	4.7	0.6410	0.42	0.26
1	70	232	219	6.6	0.4430	0.39	0.30
1	95	282	262	9.0	0.3200	0.37	0.33
1	120	326	298	11.3	0.2530	0.36	0.37
1	150	369	333	14.2	0.2060	0.35	0.39
1	185	423	377	17.5	0.1640	0.34	0.43
1	240	498	436	22.7	0.1250	0.32	0.47
1	300	576	493	28.3	0.1000	0.31	0.53
1	400	672	564	37.8	0.0778	0.30	0.59
1	500	779	641	47.2	0.0605	0.29	0.65
1	630	915	732	59.5	0.0469	0.28	0.75

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.