

## LXHIOE(be) 18/30kV Cable



Eland Product Group: MP09

### 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, indoor or outdoor, in open air on cable trays, or underground in ducts or directly buried.

### CHARACTERISTICS

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

**Test Voltage**  
63kV

**Temperature Range**  
Fixed: -20°C to +90°C

**Minimum Bending Radius**  
15 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**  
Waterblocking yarns

**Sheath**  
PE (polyethylene)

**Sheath Colour**  
●Black

### STANDARDS

IEC 60228, IEC 60502-2

### THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECCE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



### SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: [www.elandcables.com/company/about-us/esg-sustainability](http://www.elandcables.com/company/about-us/esg-sustainability)



### REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	CONDUCTOR NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL DIAMETER OVER INSULATION mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
MP0930K01050	1	50	26.0	34.0	1155
MP0930K01070	1	70	27.5	36.0	1275
MP0930K01095	1	95	29.5	37.5	1435
MP0930K01120	1	120	31.0	39.5	1575
MP0930K01150	1	150	32.5	41.0	1725
MP0930K01185	1	185	34.0	42.5	1890
MP0930K01240	1	240	36.0	45.0	2150
MP0930K01300	1	300	39.0	48.0	2460
MP0930K01400	1	400	42.0	51.0	2850
MP0930K01500	1	500	45.0	54.0	3275
MP0930K01630	1	630	49.5	59.0	3920
MP0930K03050	3	50	26.0	70.0	4915
MP0930K03070	3	70	27.5	74.0	5520
MP0930K03095	3	95	29.5	78.0	(#)"
MP0930K03120	3	120	31.0	82.0	(*('
MP0930K03150	3	150	32.5	85.0	)%)'
MP0930K03185	3	185	34.0	88.5	*#("
MP0930K03240	3	240	36.0	93.5	+#+"
MP0930K03300	3	300	39.0	100.0	#"'#'
MP0930K03400	3	400	42.0	106.5	##\$#'

## ELECTRICAL CHARACTERISTICS

NO. OF CORES	CONDUCTOR NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONDUCTOR MAXIMUM SHORT CIRCUIT CURRENT T=1S kA	CONDUCTOR DC RESISTANCE AT 20°C ohm/km	INDUCTANCE mH/km	CAPACITANCE µF/km	CURRENT CARRYING CAPACITY Amps	
						In Air	Buried
1	50	4.7	0.6410	0.46	0.14	188	174
1	70	6.6	0.4430	0.43	0.16	234	214
1	95	9.0	0.3200	0.41	0.17	285	256
1	120	11.3	0.2530	0.39	0.19	330	293
1	150	14.2	0.2060	0.38	0.20	373	327
1	185	17.5	0.1640	0.37	0.21	427	371
1	240	22.7	0.1250	0.36	0.24	504	432
1	300	28.3	0.1000	0.34	0.26	584	491
1	400	37.8	0.0778	0.33	0.29	681	564
1	500	47.2	0.0605	0.32	0.31	792	646
1	630	59.5	0.0469	0.30	0.35	933	743
3	50	4.7	0.6410	0.45	0.14	204	162
3	70	6.6	0.4430	0.41	0.16	253	198
3	95	9.0	0.3200	0.39	0.17	304	235
3	120	11.3	0.2530	0.38	0.19	351	268
3	150	14.2	0.2060	0.37	0.20	398	303
3	185	17.5	0.1640	0.35	0.21	455	343
3	240	22.7	0.1250	0.34	0.24	531	397
3	300	28.3	0.1000	0.32	0.26	606	448
3	400	37.8	0.0778	0.31	0.29	696	511

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.