LXHIOE(be) 8.7/15kV Cable

Eland Product Group: MP09

APPLICATION

Portuguese reference Medium Voltage cable with additional waterblocking properties for power distribution and power supply stations used in Utility and Industrial applications, for rated voltages up to 8.7/15kV. Suitable for fixed installations, indoor or outdoor, in open air on cable trays, or underground in ducts or directly buried.

CHARACTERISTICS

Voltage Rating Uo/U (Um)
8.7/15 (17.5)kV

Test Voltage
30kV

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 wires screen

Tape
Waterblocking tape

Sheath
PE (polyethylene)

Sheath Colour
● Black

STANDARDS

IEC 60228, IEC 60502-2

THE CABLE LAB®

AN ISO/IEC 17025 AND IECEE 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

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®.

DIMENSIONS

ELAND PART NO.	NO. OF CORES	CONDUCTOR NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL DIAMETER OVER INSULATION mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
MP0915K01025	1	25	17.0	24.5	665
MP0915K01035	1	35	18.0	25.5	720
MP0915K01050	1	50	19.0	26.5	785
MP0915K01070	1	70	20.5	28.5	900
MP0915K01095	1	95	22.5	30.0	1020
MP0915K01120	1	120	24.0	32.0	1160
MP0915K01150	1	150	25.5	33.5	1270
MP0915K01185	1	185	27.0	35.0	1435
MP0915K01240	1	240	29.0	37.5	1665
MP0915K01300	1	300	32.0	40.5	1915
MP0915K01400	1	400	35.0	43.5	2270
MP0915K01500	1	500	38.0	46.5	2655
MP0915K01600	1	630	42.5	51.5	3240
MP0915K03025	3	25	17.0	49.0	2665
MP0915K03035	3	35	18.0	51.5	2905
MP0915K03050	3	50	19.0	54.0	3210
MP0915K03070	3	70	20.5	58.0	3650
MP0915K03095	3	95	22.5	61.5	4210
MP0915K03120	3	120	24.0	65.5	4725
MP0915K03150	3	150	25.5	68.5	5285
MP0915K03185	3	185	27.0	72.0	5835
MP0915K03240	3	240	29.0	77.5	6830
MP0915K03300	3	300	32.0	84.0	7965
MP0915K03400	3	400	35.0	90.5	9390

ELECTRICAL CHARACTERISTICS

NO. OF CORES	CONDUCTOR NOMINAL CROSS SECTIONAL AREA mm²	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	25	2.4	1.2000	0.45	0.18	126	124
1	35	3.3	0.8680	0.43	0.19	152	148
1	50	4.7	0.6410	0.41	0.21	182	175
1	70	6.6	0.4430	0.38	0.24	228	215
1	95	9.0	0.3200	0.36	0.27	277	257
1	120	11.3	0.2530	0.35	0.29	322	294
1	150	14.2	0.2060	0.34	0.31	365	330
1	185	17.5	0.1640	0.33	0.34	419	373
1	240	22.7	0.1250	0.32	0.37	496	434
1	300	28.3	0.1000	0.30	0.42	577	494
1	400	37.8	0.0778	0.29	0.46	675	566
1	500	47.2	0.0605	0.29	0.51	787	648
1	630	59.5	0.0469	0.27	0.58	929	745
3	25	2.4	1.2000	0.43	0.18	142	115
3	35	3.3	0.8680	0.41	0.19	170	136
3	50	4.7	0.6410	0.39	0.21	204	162
3	70	6.6	0.4430	0.36	0.24	253	198

UK T 020 7241 8787 | F 020 7241 8700 | sales@elandcables.com | www.elandcables.com
International T +44 20 7241 8740 | F +44 20 7241 8700 | international@elandcables.com

ELECTRICAL CHARACTERISTICS

NO. OF CORES	CONDUCTOR NOMINAL CROSS SECTIONAL AREA mm²	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
3	95	9.0	0.3200	0.34	0.27	304	235
3	120	11.3	0.2530	0.33	0.29	351	268
3	150	14.2	0.2060	0.32	0.31	398	303
3	185	17.5	0.1640	0.31	0.34	455	343
3	240	22.7	0.1250	0.30	0.37	531	397
3	300	28.3	0.1000	0.29	0.42	606	448
3	400	37.8	0.0778	0.27	0.46	696	511