

## XHIOE(be) 8.7/15kV Cable



Eland Product Group: MP07

### APPLICATION

Portuguese referenced Medium Voltage cable 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** U<sub>0</sub>/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**  
Stranded copper conductor

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

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

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

**Metallic Screen**  
Copper wires

**Tape**  
Waterblocking yarn

**Outer Sheath**  
PE (Polyethylene)

**Sheath Colour**  
● Black

### STANDARDS

IEC 60228, IEC 60502-2

### THE CABLE LAB<sup>®</sup>

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](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
MP0715K01025	1	25	17.0	24.5	820
MP0715K01035	1	35	18.0	25.5	930
MP0715K01050	1	50	19.0	26.5	1 075
MP0715K01070	1	70	21.0	28.5	1 320
MP0715K01095	1	95	22.5	30.5	1 595
MP0715K01120	1	120	24.5	32.0	1 880
MP0715K01150	1	150	25.5	33.5	2 145
MP0715K01185	1	185	26.5	35.0	2 535
MP0715K01240	1	240	29.5	37.5	3 130
MP0715K01300	1	300	32.0	40.5	3 775
MP0715K01400	1	400	35.0	43.5	4 720
MP0715K01500	1	500	38.0	47.0	5 685
MP0715K01600	1	630	44.0	50.5	7 315
MP0715K03025	3	25	17.0	49.0	3 125
MP0715K03035	3	35	18.0	51.5	3 540
MP0715K03050	3	50	19.0	54.5	4 135
MP0715K03070	3	70	21.0	58.0	4 965
MP0715K03095	3	95	22.5	62.0	5 950
MP0715K03120	3	120	24.5	66.0	6 915
MP0715K03150	3	150	25.5	68.5	7 940
MP0715K03185	3	185	26.5	71.5	9 160
MP0715K03240	3	240	29.5	78.0	11 265
MP0715K03300	3	300	32.0	84.0	13 595
MP0715K03400	3	400	35.0	90.5	16 825

## 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 uF/km	CURRENT CARRYING CAPACITY Amps	
						In Air	Buried
1	25	3.6	0.7270	0.45	0.18	163	159
1	35	5.0	0.5240	0.43	0.20	197	191
1	50	7.5	0.3870	0.41	0.21	236	226
1	70	10.0	0.2680	0.38	0.24	295	277
1	95	13.6	0.1930	0.36	0.27	359	333
1	120	17.2	0.1530	0.35	0.29	416	379
1	150	21.5	0.1240	0.34	0.31	471	425
1	185	26.5	0.0991	0.33	0.33	537	479
1	240	34.3	0.0754	0.32	0.38	639	558
1	300	42.9	0.0601	0.30	0.42	738	632
1	400	57.2	0.0470	0.29	0.46	858	720
1	500	71.5	0.0366	0.28	0.51	993	817
1	630	90.1	0.0283	0.28	0.56	1 143	922
3	25	3.6	0.7270	0.43	0.18	142	148
3	35	5.0	0.5240	0.41	0.20	170	175

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.

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						In Air	Buried
3	50	7.5	0.3870	0.39	0.21	204	209
3	70	10.0	0.2680	0.36	0.24	253	256
3	95	13.6	0.1930	0.34	0.27	304	303
3	120	17.2	0.1530	0.33	0.29	351	345
3	150	21.5	0.1240	0.32	0.31	398	390
3	185	26.5	0.0991	0.31	0.33	455	440
3	240	34.3	0.0754	0.30	0.38	531	507
3	300	42.9	0.0601	0.29	0.42	606	571
3	400	57.2	0.0470	0.27	0.46	696	645

