

## XHI1AE 8.7/15kV Cable



Eland Product Group: MP18

### APPLICATION

Portuguese Medium Voltage Cable for power distribution and power supply stations used in Utility and Industrial applications, with a rated voltage of 8.7/15kV. Suitable for fixed installations, including directly buried. Good mechanical protection.

### CHARACTERISTICS

**Voltage Rating** U<sub>0</sub>/U (Um)  
8.7/15 (17.5)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 Copper

#### 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

PVC (Polyvinyl Chloride)

#### Armour

Two aluminium tapes helically applied

#### 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 E24267





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL DIAMETER mm		NOMINAL WEIGHT kg/km
			Over Insulation	Overall	
MP1815KV01025	1	25	17.0	29.5	1155
MP1815KV01035	1	35	18.0	30.5	1285
MP1815KV01050	1	50	19.0	32.0	1440
MP1815KV01070	1	70	21.0	33.5	1690
MP1815KV01095	1	95	22.5	35.5	2010
MP1815KV01120	1	120	24.5	37.0	2300
MP1815KV01150	1	150	25.5	38.5	2600
MP1815KV01185	1	185	26.5	39.5	2985
MP1815KV01240	1	240	29.5	42.5	3615
MP1815KV01300	1	300	32.0	45.5	4315
MP1815KV01400	1	400	35.0	48.5	5300
MP1815KV01500	1	500	38.0	52.0	6335
MP1815KV01630	1	630	44.0	55.5	8045

## ELECTRICAL CHARACTERISTICS

NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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	168	163	3.6	0.7270	0.48	0.18
1	35	203	195	5.0	0.5240	0.45	0.20
1	50	243	231	7.2	0.3870	0.43	0.21
1	70	302	282	10.0	0.2680	0.41	0.24
1	95	366	337	13.6	0.1930	0.39	0.27
1	120	423	383	17.2	0.1530	0.37	0.29
1	150	477	428	21.5	0.1240	0.36	0.31
1	185	541	480	26.5	0.0991	0.35	0.33
1	240	640	555	34.3	0.0754	0.34	0.38
1	300	736	626	42.9	0.0601	0.32	0.42
1	400	850	709	57.2	0.0470	0.31	0.46
1	500	976	798	71.5	0.0366	0.30	0.51
1	630	1 115	894	90.1	0.0283	0.29	0.56

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.