

XHIV 8.7/15kV Cable



Eland Product Group: MP01

APPLICATION

Portuguese MV Cable for power distribution and power supply stations used in Utility and Industrial applications, for rated voltages to 8.7/15kV. Suitable for fixed installations, indoor or outdoor including directly buried.

CHARACTERISTICS

Voltage Rating U₀/U (Um)
8.7/15 (17.5)kV

Test Voltage
30kV

Temperature Range

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

Stranded copper conductor

Inner Layer

Semi-conductive material

Insulation

XLPE (Cross-Linked Polyethylene)

Outer Layer

Semi-conductive material and tape

Screen

Copper tape

Outer Sheath

PVC (Polyvinyl Chloride)

Sheath Colour

● Black

STANDARDS

IEC 60228, IEC 60502-2

Flame Retardant according to BS EN/IEC 60332-1-2

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 compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.



KM 634267





DIMENSIONS

ELAND PART NO.	NO. OF CORES	CONDUCTOR NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL DIAMETER OVER INSULATION mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
MP0115K01025	1	25	17,0	24.4	820
MP0115K01035	1	35	18,0	25.5	930
MP0115K01050	1	50	19,0	26.5	1075
MP0115K01070	1	70	21,0	28.5	1320
MP0115K01095	1	95	22,5	30.5	1595
MP0115K01120	1	120	24,5	32.0	1880
MP0115K01150	1	150	25,5	33.5	2145
MP0115K01185	1	185	26,5	35.0	2535
MP0115K01240	1	240	29,5	37.5	3130
MP0115K01300	1	300	32,0	40.5	3775
MP0115K01400	1	400	35,0	43.5	4720
MP0115K01300	1	500	38.0	47.0	5685
MP0115K01400	1	630	44.0	50.5	7315
MP0115K03025	3	25	17,0	49,0	3125
MP0115K03035	3	35	18,0	51,5	3540
MP0115K03050	3	50	19,0	54,5	4135
MP0115K03070	3	70	21,0	58,0	4965
MP0115K03095	3	95	22,5	62,0	5950
MP0115K03120	3	120	24,5	66,0	6915
MP0115K03150	3	150	25,5	68,5	7940
MP0115K03185	3	185	26,5	71,5	9160
MP0115K03240	3	240	29,5	78,0	11265
MP0115K03300	3	300	32,0	84,0	13595
MP0115K03400	3	400	35,0	90,5	16825



ELECTRICAL CHARACTERISTICS

NO. OF CORES	CONDUCTOR NOMINAL CROSS SECTIONAL AREA mm ²	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	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	1143	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
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

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.