

XHIV 18/30kV 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 18/30kV. Suitable for fixed installations, indoor or outdoor including directly buried.

CHARACTERISTICS

Voltage Rating U₀/U (Um)
18/30 (36)kV

Test Voltage
63kV

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
MP0130K01050	1	50	26.0	34.5	1445
MP0130K01070	1	70	28.0	36.0	1695
MP0130K01095	1	95	29.5	38.0	2105
MP0130K01120	1	120	31.5	39.5	2300
MP0130K01150	1	150	32.5	41.0	2600
MP0130K01185	1	185	33.5	42.0	2985
MP0130K01240	1	240	36.5	45.0	3620
MP0130K01300	1	300	39.0	48.0	4315
MP0130K01400	1	400	42.0	51.0	5305
MP0130K01500	1	500	39.0	54.5	6310
MP0130K01630	1	630	42.0	58.0	8010
MP0130K03050	3	50	26.0	70.5	5800
MP0130K03070	3	70	28.0	74.5	6795
MP0130K03095	3	95	29.5	78.5	7985
MP0130K03120	3	120	31.5	82.5	9060
MP0130K03150	3	150	32.5	85.0	10030
MP0130K03185	3	185	33.5	88.0	11475
MP0130K03240	3	240	36.5	94.0	13630
MP0130K03300	3	300	39.0	100.0	16145
MP0130K03400	3	400	42.0	107.0	19650

ELECTRICAL CHARACTERISTICS

NO. 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	50	7.5	0.3870	0.46	0.14	244	225
1	70	10.0	0.2680	0.43	0.16	303	276
1	95	13.6	0.1930	0.41	0.18	368	331
1	120	17.2	0.1530	0.39	0.19	425	377
1	150	21.5	0.1240	0.38	0.20	481	422
1	185	26.5	0.0991	0.37	0.21	547	474
1	240	34.3	0.0754	0.35	0.24	649	556
1	300	42.9	0.0601	0.34	0.26	748	630
1	400	57.2	0.0470	0.33	0.29	868	718
1	500	71.5	0.0366	0.32	0.31	1003	816
1	630	90.1	0.0283	0.31	0.34	1154	923
3	50	7.5	0.3870	0.45	0.14	204	162
3	70	10.0	0.2680	0.41	0.16	253	198
3	95	13.6	0.1930	0.39	0.18	304	235
3	120	17.2	0.1530	0.38	0.19	351	268
3	150	21.5	0.1240	0.36	0.20	398	303
3	185	26.5	0.0991	0.35	0.21	455	343
3	240	34.3	0.0754	0.34	0.24	531	397
3	300	42.9	0.0601	0.32	0.26	606	448
3	400	57.2	0.0470	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.