XHIE 8.7/15kV Cable

Eland Product Group: MP02

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 Uo/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
PE (Polyethylene)

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.

UKAS ISO/IEC 17025 Testing laboratory accreditation 8578
bsi. ISO 9001 Quality Management FS 672069
ISO 14001 Environmental Management EMS 672067
ISO 45001 Occupational Health and Safety Management 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™.

bsi. RoHS Trusted KITEMARK™ KM 634267
RoHS

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
MP0215K01025	1	25	17,0	24.4	820
MP0215K01035	1	35	18,0	25.5	930
MP0215K01050	1	50	19,0	26.5	1075
MP0215K01070	1	70	21,0	28.5	1320
MP0215K01095	1	95	22,5	30.5	1595
MP0215K01120	1	120	24,5	32.0	1880
MP0215K01150	1	150	25,5	33.5	2145
MP0215K01185	1	185	26,5	35.0	2535
MP0215K01240	1	240	29,5	37.5	3130
MP0215K01300	1	300	32,0	40.5	3775
MP0215K01400	1	400	35,0	43.5	4720
MP0215K01300	1	500	38.0	47.0	5685
MP0215K01400	1	630	44.0	50.5	7315
MP0215K03025	3	25	17,0	49,0	3125
MP0215K03035	3	35	18,0	51,5	3540
MP0215K03050	3	50	19,0	54,5	4135
MP0215K03070	3	70	21,0	58,0	4965
MP0215K03095	3	95	22,5	62,0	5950
MP0215K03120	3	120	24,5	66,0	6915
MP0215K03150	3	150	25,5	68,5	7940
MP0215K03185	3	185	26,5	71,5	9160
MP0215K03240	3	240	29,5	78,0	11265
MP0215K03300	3	300	32,0	84,0	13595
MP0215K03400	3	400	35,0	90,5	16825

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	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

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