LXHIOE 6/10kV Cable

Eland Product Group: MP06

APPLICATION

Portuuese referenced Medium Voltage cable for power distribution and power supply stations used in Utility and Industrial applications, for rated voltages up to 6/10kV. Suitable for fixed installations, indoor or outdoor, in open air on cable trays, or underground in ducts or directly buried.

CHARACTERISTICS

Voltage Rating Uo/U (Um)
6/10 (12)kV

Test Voltage
21kV

Temperature Range
Fixed: -20°C to +90°C

Minimum Bending Radius
15 x overall diameter

CONSTRUCTION

Conductor
Class 2 Aluminium, circular, stranded

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

Insulation
XLPE (Cross-Linked Polyethylene)

Insulation Screen
Semi-conductive XLPE (Cross-Linked Polyethylene)

Metallic Screen
Copper wire screen

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
MP0610K01025	1	25	14,5	22,0	575
MP0610K01035	1	35	15,5	23,0	630
MP0610K01050	1	50	17,0	24,5	700
MP0610K01070	1	70	18,5	26,0	795
MP0610K01095	1	95	20,0	28,0	925
MP0610K01120	1	120	22,0	29,5	1040
MP0610K01150	1	150	23,0	31,0	1165
MP0610K01185	1	185	24,5	32,5	1305
MP0610K01240	1	240	27,0	35,0	1525
MP0610K01300	1	300	30,0	38,0	1785
MP0610K01400	1	400	32,5	41,0	2125
MP0610K01500	1	500	35,5	44,5	2500
MP0610K01600	1	630	40,5	49,0	3070
MP0610K03025	3	25	14,5	43,5	2255
MP0610K03035	3	35	15,5	46,0	2480
MP0610K03050	3	50	17,0	49,0	2765
MP0610K03070	3	70	18,5	52,5	3175
MP0610K03095	3	95	20,0	56,5	3720
MP0610K03120	3	120	22,0	60,5	4210
MP0610K03150	3	150	23,0	63,5	4680
MP0610K03185	3	185	24,5	67,0	5260
MP0610K03240	3	240	27,0	72,0	6170
MP0610K03300	3	300	30,0	79,0	7255
MP0610K03400	3	400	32,5	85,5	8620

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	2,4	1,2000	0,43	0,22	124	124
1	35	3,3	0,8680	0,41	0,24	150	148
1	50	4,7	0,6410	0,39	0,26	179	175
1	70	6,6	0,4430	0,37	0,30	225	215
1	95	9,0	0,3200	0,35	0,33	274	258
1	120	11,3	0,2530	0,33	0,37	319	295
1	150	14,2	0,2060	0,32	0,39	361	330
1	185	17,5	0,1640	0,31	0,43	415	374
1	240	22,7	0,1250	0,30	0,47	493	435
1	300	28,3	0,1000	0,29	0,53	573	495
1	400	37,8	0,0778	0,28	0,59	671	567
1	500	47,2	0,0605	0,28	0,65	783	649
1	630	59,5	0,0469	0,27	0,75	926	745
3	25	2,4	1,2000	0,40	0,22	142	115
3	35	3,3	0,8680	0,39	0,24	170	136
3	50	4,7	0,6410	0,37	0,26	204	162
3	70	6,6	0,4430	0,34	0,30	253	198

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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
3	95	9,0	0,3200	0,32	0,33	304	235
3	120	11,3	0,2530	0,31	0,37	351	268
3	150	14,2	0,2060	0,30	0,39	398	303
3	185	17,5	0,1640	0,29	0,43	455	343
3	240	22,7	0,1250	0,28	0,47	531	397
3	300	28,3	0,1000	0,27	0,53	606	448
3	400	37,8	0,0778	0,26	0,59	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.