

IEC 60502-1 AL/XLPE/LSZH 0.6/1 (1.2)kV Cable



CHARACTERISTICS

Voltage Rating

0.6/1 (1.2)kV

Temperature Range

Maximum Conductor Operating Temperature: +90°C

Maximum Conductor Temperature During S.C: +250°C

Minimum Bending Radius

15 x Overall Diameter

CONSTRUCTION

Conductor

Class 2 Stranded Plain Aluminium Circular Compact Conductor

Insulation

XLPE (Cross linked Polyethylene)

Sheath

LSZH (Low Smoke Zero Halogen)

Sheath Colour

● Black

STANDARDS

IEC 60502-1, IEC 60228

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/853/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].



DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL INSULATION THICKNESS mm	NOMINAL SHEATH THICKNESS mm	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
A9OH01016	1	16	0.7	1.4	11.4	175
A9OH01025	1	25	0.9	1.4	12.9	225
A9OH01035	1	35	0.9	1.4	14	270
A9OH01050	1	50	1	1.4	15.5	330
A9OH01070	1	70	1.1	1.4	17.3	420
A9OH01096	1	95	1.1	1.5	19	515
A9OH01120	1	120	1.2	1.5	20.6	620
A9OH01150	1	150	1.4	1.6	23.4	760
A9OH01185	1	185	1.6	1.6	24.7	895
A9OH01240	1	240	1.7	1.7	27.5	1100
A9OH01300	1	300	1.8	1.8	30.2	1335
A9OH01400	1	400	2	1.9	33.5	1660
A9OH01500	1	500	2.2	2	38.2	2135
A9OH01630	1	630	2.4	2.2	42.8	2705
A9OH01800	1	800	2.6	2.3	48.2	3425
A9OH011000	1	1000	2.8	2.4	55.1	4260

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C Ω/Km	MAXIMUM CONDUCTOR AC RESISTANCE AT 50 Hz Ω/Km	COPPER SCREEN SCC For 1 second KA	CURRENT CAPACITY RATING
				Laid in free air
16	1.91	2.435	1.51	72
25	1.2	1.53	2.36	109
35	0.868	1.107	3.31	138
50	0.641	0.817	4.72	168
70	0.443	0.565	6.61	205
95	0.32	0.408	8.98	246
120	0.253	0.323	11.34	276
150	0.206	0.263	14.17	341
185	0.164	0.209	17.48	384
240	0.125	0.159	22.68	455
300	0.1	0.128	42.93	527
400	0.0778	0.099	57.23	617
500	0.0605	0.077	71.54	719
630	0.469	0.06	90.14	851
800	0.0367	0.047	114.47	971
1000	0.0291	0.037	143.08	1102

Laying conditions at trefoil formation are as below:

- Soil thermal resistivity: 120°C.Cm/Watt
- Burial depth: 0.5m
- Air temperature: 25°C | Frequency: 50Hz

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.