LV BS7870 Aerial Bundle Cable (ABC) 1kV

Eland Product Group:C1A

APPLICATION

Aerial Bundle Cable (ABC) low voltage cable for overhead power distribution offering higher level of safety and reliability and lower power losses than bare conductors.

CHARACTERISTICS

Voltage Rating
0.6/1kV

Test Voltage
4kV

Operating Temperature
-40°C to +90°C

Minimum Bending Radius
18 x overall diameter

CONSTRUCTION

Phase Conductor
Class 2 Circular compacted stranded Aluminium

Neutral Conductor
Class 2 Circular compacted stranded Aluminium

Insulation
XLPE (Cross-linked polyethylene) UV Resistant

Core Identification
Phases by longitudinal ribs (I, II, III)
Neutral core by longitudinal ribs (≤ 50 mm^2 min.12 ribs; ≥ 50 mm^2 min.16 ribs)

Sheath Colour
● Black

STANDARDS

BS 7870

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 meets the requirements of the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.

DIMENSIONS

ELAND PART NUMBER	NUMBER CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT KG/KM	MINIMUM BREAKING LOAD KN	MAXIMUM CONDUCTOR RESISTANCE Ω/Km	CURRENT RATING A
C1A01016	1	16	8.0	74	2.5	1.910	72
C1A01025	1	25	9.0	106	4.0	1.200	107
C1A01035	1	35	10.5	138	5.5	0.868	132
C1A01050	1	50	11.8	182	8.0	0.641	165
C1A01070	1	70	13.0	252	10.7	0.443	205
C1A01095	1	95	15.4	333	13.7	0.320	240
C1A01120	1	120	17.0	408	18.6	0.253	290
C1A01150	1	150	19.0	502	23.2	0.206	334
C1A01185	1	185	21.0	611	28.7	0.164	389
C1A01240	1	240	24.0	801	37.2	0.125	467
C1A02016	2	16	15.6	147	2.5	1.910	72
C1A02025	2	25	18.0	208	4.0	1.200	107
C1A02035	2	35	20.0	277	5.5	0.868	132
C1A02050	2	50	23.5	361	8.0	0.641	165
C1A02070	2	70	25.4	505	10.7	0.443	205
C1A02095	2	95	30.3	666	13.7	0.320	240
C1A02150	2	150	38.0	1004	23.2	0.206	334
C1A04016	4	16	18.8	286	2.5	1.910	72
C1A04025	4	25	21.2	430	4.0	1.200	107
C1A04035	4	35	24.1	553	5.5	0.868	132
C1A04050	4	50	27.8	746	8.0	0.641	165
C1A04070	4	70	31.8	1009	10.7	0.443	205
C1A04095	4	95	37.8	1332	13.7	0.320	240
C1A04120	4	120	54.4	1632	18.6	0.253	290
C1A04050/1X25	4+1	50+25	319	814	8.0/4.0	0.641/1.200	165/107
C1A04050/1X35	4+1	50+35	319	845	8.5/5.5	0.641/0.868	165/132
C1A04070/1X25	4+1	70+25	360	1105	10.7/4.0	0.443/1.200	205/107
C1A04070/2X25	4+2	70+25+25	400	1217	10.7/4.0	0.443/1.200	205/107
C1A04095/1X25	4+1	95+25	418	1438	13.7/4.0	0.320/1.200	240/107
C1A04095/2X25	4+2	95+25+25	420	1544	13.7/4.0	0.320/1.200	240/107
C1A04120/25	4+1	120+25	590	2050	18.6/4.0	0.253/1.200	290/107

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