ELAND® CABLES

Aerial Bundle Cable (ABC)

Eland Product Group: B7A

APPLICATION

For distribution low power overhead networks in metropolitan, urban and rural areas. For supply of remote facilities and villages of temporary and permanent character. For above-ground house connections.

CHARACTERISTICS

Voltage Rating Uo/U
0.6/1kV

Test Voltage
4kV

Temperature Rating
Minimum temperature for cable laying: -5°C
Maximum working temperature: 75°C
Maximum short-circuit temperature: 250°C

Minimum Bending Radius
12 x overall diameter

CONSTRUCTION

Phase Conductor
Class 2 stranded Aluminium

Neutral Conductor
Class 2 stranded Aluminium

Insulation
XLPE (Cross-linked polyethylene) compound TIX 2

Insulation Colour
● Black

Core Identification
Phases by longitudinal ribs (I, II, III)
neutral core by longitudinal ribs (≤ 50 mm² min.12 ribs; ≥ 50 mm² min.16 ribs)

STANDARDS

BS 7870-5, HD 626 S1, EN 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 meets the requirements of the Low Voltage Directive 2014/35/EU, 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 NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	NOMINAL INSULATION THICKNESS mm	MAX DIAMETER PHASE CONDUCTOR (EXC. RIBS) mm	MAX DIAMETER NEUTRAL CORE (INC. RIBS) mm	NOMINAL WEIGHT kg/km
B7A02025	2	25	1.3	9.7	10.2	200
B7A02035	2	35	1.3	10.7	11.2	266
B7A02050	2	50	1.5	12.1	12.6	374
B7A02070	2	70	1.5	13.8	14.3	506
B7A02095	2	95	1.7	16.1	16.6	681
B7A02120	2	120	1.7	17.6	18.1	816
B7A03025	3	25	1.3	9.7	10.2	318
B7A03035	3	35	1.3	10.7	11.2	414
B7A03050	3	50	1.5	12.1	12.6	545
B7A03070	3	70	1.5	13.8	14.3	756
B7A03095	3	95	1.7	16.1	16.6	999
B7A03120	3	120	1.7	17.6	18.1	1224
B7A05025	5	25	1.3	9.7	10.2	530
B7A05035	5	35	1.3	10.7	11.2	690
B7A05050	5	50	1.5	12.1	12.6	910
B7A05070	5	70	1.5	13.8	14.3	1260
B7A05095	5	95	1.7	16.1	16.6	1665
B7A05120	5	120	1.7	17.6	18.1	2040

NOMINAL CROSS SECTIONAL AREA mm²	MAX DC RESISTANCE OF CONDUCTOR IN BUNDLE AT 20oC ohms/km	CURRENT CARRYING CAPACITY IN FREE AIR Amps	MINIMUM TENSILE STRENGTH OF CONDUCTOR kN
25	1.20	107	4.1
35	0.868	132	5.6
50	0.641	165	7.6
70	0.443	205	11.0
95	0.320	258	15.3
120	0.253	300	19.4

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