

LV TNB IEC 60502-1 Aerial Bundle Cable (ABC) 1kV



Eland Product Group:C1B

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 ($\leq 50 \text{ mm}^2$ min.12 ribs; $\geq 50 \text{ mm}^2$ min.16 ribs)

Sheath Colour

● Black

STANDARDS

TNB Specification (IEC 60502-1)

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.



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NUMBER	NUMBER CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT KG/KM	MINIMUM BREAKING LOAD KN	MAXIMUM CONDUCTOR RESISTANCE Ω/Km	CURRENT RATING A
C1B03016/25	3+1	16/25	19.0	290	4.0	1.200	107
C1B03025/25	3+1	25/25	23.2	400	5.5	0.868	132
C1B03035/25	3+1	35/25	25.6	500	8.0	0.641	165
C1B03050/35	3+1	50/35	30.0	680	10.7	0.443	205
C1B03070/50	3+1	70/50	34.9	920	13.7	0.320	240
C1B03095/70	3+1	95/70	40.6	1270	18.6	0.253	290
C1B03120/95	3+1	120/95	44.1	1510	23.2	0.206	334
C1B03150/120	3+1	150/120	49.2	1870	28.7	0.164	389
C1B03185/120	3+1	185/120	54.9	2340	37.2	0.125	467
C1B03025/25/16	3+2	25/25/16	23.2	470	2.5	1.910	72
C1B03035/25/16	3+2	35/25/16	25.6	560	4.0	1.200	107
C1B03050/35/16	3+2	50/35/16	30.0	740	5.5	0.868	132
C1B03070/50/16	3+2	70/50/16	34.9	980	8.0	0.641	165
C1B03095/70/16	3+2	95/70/16	40.6	1330	10.7	0.443	205
C1B03120/70/16	3+2	120/70/16	44.1	1580	13.7	0.320	240
C1B03150/95/16	3+2	150/95/16	49.2	1940	23.2	0.206	334
C1B03185/120/16	3+2	185/120/16	54.9	2410	2.5	1.910	72