

LV AS/NZS 3560 P1 Aerial Bundle Cable (ABC) 1kV



Eland Product Group:C1C

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

AS/NZS 3560 Part 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
C1E02016	2	16	15.0	140	4.4	1.910	78
C1E02025	2	25	17.6	210	7.0	1.200	105
C1E02035	2	35	19.6	270	9.8	0.868	125
C1E02050	2	50	22.8	370	11.4	0.641	150
C1E02095	2	95	30.6	680	15.3	0.320	230
C1E03025	3	25	19.0	310	8.8	1.200	97
C1E03035	3	35	21.1	410	9.8	0.868	120
C1E03050	3	50	24.6	550	11.4	0.641	140
C1E04016	4	16	18.1	290	8.8	1.910	74
C1E04025	4	25	21.2	410	14.0	1.200	97
C1E04035	4	35	23.7	550	19.6	0.868	120
C1E04050	4	50	27.5	740	28.0	0.641	140
C1E04070	4	70	31.9	1000	39.2	0.443	175
C1E04095	4	95	36.9	1370	53.2	0.320	215
C1E04120	4	120	40.6	1690	67.2	0.253	250
C1E04150	4	150	43.9	2020	84.0	0.206	280