



LV NF C33-209 Aerial Bundle Cable (ABC) 1kV



Eland Product Group:C1D

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

NF C33-209

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
C1D02010	2	10	12.8	93	1.5	3.080	38
C1D02016	2	16	14.8	129	2.3	1.910	72
C1D02016/2X1.5	2+2	16/1.5	14.8	176	2.3	1.910/12.100	72
C1D02025	2	25	18.0	202	3.8	1.200	107
C1D02025/2X1.5	2+2	25/1.5	18.0	249	3.8	1.200/12.100	107
C1D02035	2	35	20.8	269	5.2	0.868	132
C1D02035/2X1.5	2+2	35/1.5	20.8	316	5.2	0.868/12.100	132
C1D02050	2	50	23.4	352	7.6	0.641	165
C1D02050/2X1.5	2+2	50/1.5	23.4	399	7.6	0.641/12.100	165
C1D04010	4	10	15.4	183	1.5	3.080	38
C1D04016	4	16	17.8	257	2.3	1.910	72
C1D04016/2X1.5	4+2	16/1.5	17.8	304	2.3	1.910/12.100	72
C1D04025	4	25	21.7	404	3.8	1.200	107
C1D04025/2X1.5	4+2	25/1.5	21.7	451	3.8	1.200/12.100	107
C1D04035	4	35	25.1	539	5.2	0.868	132
C1D04035/2X1.5	4+2	35/1.5	25.1	586	5.2	0.868/12.100	132
C1D01054/325	1+3	54.6/25	21.7	507	3.8	0.630/1.200	107
C1D01054/325116	1+3+1	54.6/25/16	24.3	573	3.8/2.3	0.630/1.200/1.910	107/72
C1D01054/325216	1+3+2	54.6/25/16	29.7	639	3.8/2.3	0.630/1.200/1.910	107/72
C1D01054/325316	1+3+3	54.6/25/16	31.1	705	3.8/2.3	0.630/1.200/1.910	107/72
C1D01054/335	1+3	54.6/35	25.1	615	5.2	0.630/0.868	132
C1D01054/335116	1+3+1	54.6/35/16	28.1	680	5.2/2.3	0.630/0.868/1.910	132/72
C1D01054/335216	1+3+2	54.6/35/16	34.3	748	5.2/2.3	0.630/0.868/1.910	132/72
C1D01054/335316	1+3+3	54.6/35/16	35.9	814	5.2/2.3	0.630/0.868/1.910	132/72
C1D01054/335125	1+3+1	54.6/35/25	28.1	714	5.2/3.8	0.630/0.868/1.200	132/107
C1D01054/350	1+3	54.6/50	28.2	741	7.6	0.630/0.641	165
C1D01054/350116	1+3+1	54.6/35/25	31.6	806	7.6/2.3	0.630/0.641/1.910	165/72
C1D01054/350216	1+3+2	54.6/35/25	38.6	875	7.6/2.3	0.630/0.641/1.910	165/72
C1D01054/350316	1+3+3	54.6/35/25	40.4	940	7.6/2.3	0.630/0.641/1.910	165/72
C1D01054/350125	1+3+1	54.6/50/25	31.6	841	7.6/3.8	0.630/0.641/1.200	165/107
C1D01054/370	1+3	54.6/70	33.0	950	10.2	0.630/0.443	205
C1D01054/370116	1+3+1	54.6/70/16	37.0	1014	10.2/2.3	0.630/0.443/1.910	205/72
C1D01054/370216	1+3+2	54.6/70/16	45.2	1083	10.2/2.3	0.630/0.443/1.910	205/72
C1D01054/370316	1+3+3	54.6/70/16	47.3	1148	10.2/2.3	0.630/0.443/1.910	205/72
C1D01054/370125	1+3+1	54.6/70/25	37.0	1048	10.2/3.8	0.630/0.443/1.200	205/107
C1D01054/370225	1+3+2	54.6/70/25	45.2	1150	10.2/3.8	0.630/0.443/1.200	205/107
C1D01054/370325	1+3+3	54.6/70/25	47.3	1250	10.2/3.8	0.630/0.443/1.200	205/107
C1D01054/395	1+3	54.6/95	37.4	1176	13.5	0.630/0.320	240
C1D01054/395116	1+3+1	54.6/95/16	41.9	1243	13.5/2.3	0.630/0.320/1.910	240/72