

MV IEC 60502-2 Aerial Bundle Cable (ABC) 19/33kV



Eland Product Group:C1F

APPLICATION

Medium Voltage aerial bundled cables are mainly used for secondary overhead lines on poles or as feeders to residential premises.

CONSTRUCTION

Phase Conductor

Class 2 Circular compacted stranded Aluminium

Conductor Screen

Extruded semi-conductive layer

Insulation

XLPE (Cross-linked polyethylene)

Insulation Screen

Extruded semi-conductive layer

Metallic Screen

Copper wire screen or copper tape screen

Separator

Semi-conductive swellable tape

Outer Sheath

HDPE (High Density polyethylene)

Support Conductor

Galvanized steel wires

STANDARDS

IEC 60502-2

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 OF CORES	NOMINAL SECTIONAL AREA mm ²	PHASE CONDUCTOR STRANDING NO.X mm ²	SUPPORT CONDUCTOR STRANDING NO. X mm ²	MAXIMUM CONDUCTOR RESISTANCE Ω /Km	BREAKING LOAD KN	CONTINUOUS CURRENT RATING AT 30°C AMBIENT TEMP A
C1F33KV3050/50	3+1	50/50	19/1.78	7/3.0	0.641/0.641	60	165
C1F33KV3070/50	3+1	70/50	19/2.14	7/3.15	0.443/0.641	62	250
C1F33KV3150/50	3+1	150/50	37/2.25	7/3.0	0.206/0.641	60	315
C1F33KV3185/120	3+1	185/120	37/2.52	7/3.57	0.164/0.443	91	355

TECHNICAL INFORMATION

NOMINAL CROSS SECTION mm ²	CONTINUOUS CURRENT RATING		
	STILL AIR A	1M/S WIND A	2M/S WIND A
50	125	170	200
70	150	215	250
150	230	340	395
185	265	390	450