

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

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 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