



# MV IEC 60502-2 Aerial Bundle Cable (ABC) 6.35/11kV



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 <sup>2</sup>	PHASE CONDUCTOR STRANDING NO.X mm <sup>2</sup>	SUPPORT CONDUCTOR STRANDING NO. X mm <sup>2</sup>	MAXIMUM CONDUCTOR RESISTANCE Ω/Km	BREAKING LOAD KN	CONTINUOUS CURRENT RATING AT 30°C AMBIENT TEMP A
C1F11KV3050/25	3+1	50/25	19/1.78	7/3.0	0.641/0.868	60	116
C1F11KV3070/50	3+1	70/50	19/1.4	7/3.15	0.443/0.641	62	210
C1F11KV3095/50	3+1	95/50	19/2.52	7/3.0	0.253/0.641	60	173
C1F11KV3150/50	3+1	150/50	37/2.25	7/3.15	0.206/0.641	62	365
C1F11KV3185/120	3+1	185/120	37/2.52	7/4.67	0.164/0.206	150	259
C1F11KV3240/50	3+1	240/50	61/2.25	7/3.15	0.125/0.641	62	500

## TECHNICAL INFORMATION

NOMINAL CROSS SECTION mm <sup>2</sup>	CONTINUOUS CURRENT RATING		
	STILL AIR A	1M/S WIND A	2M/S WIND A
50	125	170	200
70	150	215	250
95	180	260	300
120	205	300	350
150	230	340	395
185	265	390	450