



# MV Aerial Bundle Cable (ABC) Light/Heavy Duty Screen 6.35/11kV



Eland Product Group:C1H

## APPLICATION

Medium Voltage aerial bundled cable for secondary overhead lines on poles or as feeders to residential premises.

## CHARACTERISTICS

**Voltage Rating**  
12.7/22kV

## CONSTRUCTION

**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**  
Galvanised steel wires

**Sheath Colour**  
● Black

## STANDARDS

IEC 60502-2 / AS/NZS 3599-1, BS2627,

## 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

### LIGHT DUTY SCREEN

ELAND PART NUMBER	NO. CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	THICKNESS OF INSULATION mm	COPPER WIRE SCREEN STRANDING No x mm <sup>2</sup>	NOMINAL THICKNESS SHEATH mm	GALVANISED STEEL WIRE STRANDING No x mm <sup>2</sup>	NOMINAL SECTIONAL AREA mm <sup>2</sup>	BREAKING LOAD KN
C1G11KVS3035/7	3	35	3.4	25/0.85	1.8	7/2.00	54.1	1820
C1G11KVS3035	3	35	3.4	25/0.85	1.8	19/2.00	58.1	2130
C1G11KVS3050	3	50	3.4	25/0.85	1.8	19/2.00	60.4	2300
C1G11KVS3070	3	70	3.4	25/0.85	1.8	19/2.00	63.6	2570
C1G11KVS3095	3	95	3.4	25/0.85	1.8	19/2.00	67.0	2900
C1G11KVS3120	3	120	3.4	25/0.85	1.8	19/2.00	69.8	3190
C1G11KVS3150	3	150	3.4	25/0.85	1.9	19/2.00	73.0	3530
C1G11KVS3185	3	185	3.4	25/0.85	1.9	19/2.00	76.0	3890

## DIMENSIONS

### HEAVY DUTY SCREEN

ELAND PART NUMBER	NO. CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	THICKNESS OF INSULATION mm	COPPER WIRE SCREEN STRANDING No x mm <sup>2</sup>	NOMINAL THICKNESS SHEATH mm	GALVANISED STEEL WIRE STRANDING No x mm <sup>2</sup>	NOMINAL SECTIONAL AREA mm <sup>2</sup>	BREAKING LOAD KN
C1G11KVHS3035/7	3	35	5.5	40/0.85	1.8	7/2.00	54.1	2050
C1G11KVHS3035	3	35	5.5	40/0.85	1.8	19/2.00	58.1	2360
C1G11KVHS3050	3	50	5.5	23/1.35	1.8	19/2.00	62.4	2820
C1G11KVHS3070	3	70	5.5	32/1.35	1.8	19/2.00	65.6	3440
C1G11KVHS3095	3	95	5.5	39/1.35	1.8	19/2.00	69.0	4030
C1G11KVHS3120	3	120	5.5	39/1.35	1.8	19/2.00	71.8	4320
C1G11KVHS3150	3	150	5.5	39/1.35	1.9	19/2.00	75.0	4670
C1G11KVHS3185	3	185	5.5	39/1.35	1.9	19/2.00	78.0	5020

## TECHNICAL INFORMATION

NOMINAL CROSS SECTION mm <sup>2</sup>	CONTINUOUS CURRENT RATING		
	STILL AIR A	1M/S WIND A	2M/S WIND A
35	105	145	165
50	125	170	200
70	150	215	250
95	180	260	300
120	205	300	350
150	230	340	395
185	265	390	450