



MV Aerial Bundle Cable (ABC) Unscreened 12.7/22kV



Eland Product Group:C1G

APPLICATION

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

CHARACTERISTICS

Voltage Rating U/Uo: 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

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

ELAND PART NUMBER	NO. CORES	NOMINAL CROSS SECTIONAL AREA mm ²	THICKNESS OF INSULATION mm	NOMINAL THICKNESS SHEATH mm	MESSENGER WIRE STRANDING No x mm ²	NOMINAL SECTIONAL AREA MM ²	BREAKING LOAD KN
C1H22KVS3035	3	35	5.5	1.2	7/4.75	61.0	1780
C1H22KVS3050	3	50	5.5	1.2	7/4.75	63.3	1970
C1H22KVS3070	3	70	5.5	1.2	7/4.75	66.5	2260
C1H22KVS3095	3	95	5.5	1.2	7/4.75	69.9	2600
C1H22KVS3120	3	120	5.5	1.2	19/3.50	75.9	3070
C1H22KVS3150	3	150	5.5	1.2	19/3.50	78.7	3390
C1H22KVS3185	3	185	5.5	1.2	19/3.50	81.7	3760

TECHNICAL INFORMATION

NOMINAL CROSS SECTION mm ²	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