



MV Aerial Bundle Cable (ABC) Light/Heavy Duty Screen 12.7/22kV



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 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

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,

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE 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



SCIENCE
BASED
TARGETS

BUSINESS
AMBIITION FOR **1.5°C**



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

LIGHT DUTY SCREEN

ELAND PART NUMBER	NO. CORES	NOMINAL CROSS SECTIONAL AREA mm ²	THICKNESS OF INSULATION mm	COPPER WIRE SCREEN STRANDING No x mm ²	NOMINAL THICKNESS SHEATH mm	GALVANISED STEEL WIRE STRANDING No x mm ²	NOMINAL SECTIONAL AREA MM ²	BREAKING LOAD KN
C1H22KVS3035/7	3	35	5.5	25/0.85	1.8	7/2.00	62.7	2280
C1H22KVS3035	3	35	5.5	25/0.85	1.8	19/2.00	66.7	2580
C1H22KVS3050	3	50	5.5	25/0.85	1.8	19/2.00	69.0	2780
C1H22KVS3070	3	70	5.5	25/0.85	1.9	19/2.00	72.6	3110
C1H22KVS3095	3	95	5.5	25/0.85	1.9	19/2.00	76.0	3460
C1H22KVS3120	3	120	5.5	25/0.85	2.0	19/2.00	79.2	3810
C1H22KVS3150	3	150	5.5	25/0.85	2.0	19/2.00	82.8	4230
C1H22KVS3185	3	185	5.5	25/0.85	2.1	19/2.00	86.2	4650

DIMENSIONS

HEAVY DUTY SCREEN

ELAND PART NUMBER	NO. CORES	NOMINAL CROSS SECTIONAL AREA mm ²	THICKNESS OF INSULATION mm	COPPER WIRE SCREEN STRANDING No x mm ²	NOMINAL THICKNESS SHEATH mm	GALVANISED STEEL WIRE STRANDING No x mm ²	NOMINAL SECTIONAL AREA MM ²	BREAKING LOAD KN
C1H22KVHS3035/7	3	35	5.5	40/0.85	1.8	7/2.00	62.7	2510
C1H22KVHS3035	3	35	5.5	40/0.85	1.8	19/2.00	66.7	2810
C1H22KVHS3050	3	50	5.5	23/1.35	1.8	19/2.00	71.0	3300
C1H22KVHS3070	3	70	5.5	32/1.35	1.9	19/2.00	74.6	3970
C1H22KVHS3095	3	95	5.5	39/1.35	1.9	19/2.00	78.0	4600
C1H22KVHS3120	3	120	5.5	39/1.35	2.0	19/2.00	81.2	4950
C1H22KVHS3150	3	150	5.5	39/1.35	2.0	19/2.00	84.8	5360
C1H22KVHS3185	3	185	5.5	39/1.35	2.1	19/2.00	88.2	5790

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