



Eland Product Group: A9Q

APPLICATION

Medium voltage cables for distribution networks; also for connection to generation units and plant and process connection. To be laid directly in ground, outdoors, indoors and in cable ducts.

CHARACTERISTICS

Voltage Rating U_0/U (Um)

6/10 (12)kV
12/20 (24)kV
18/30 (36)kV

Temperature Rating Fixed:

-20°C to +90°C

Minimum Bending Radius

15 x overall diameter

CONSTRUCTION

Conductor

Class 2 stranded aluminium conductor

Conductor Screen

Semi-conductive material

Insulation

XLPE (Cross-Linked Polyethylene)

Insulation Screen

Semi-conductive material

Screen

Copper wires

Sheath

PVC (Polyvinyl Chloride)

Sheath Colour

● Red

STANDARDS

IEC 60502-2, EN 60228,

Generally to HD620 10A

Flame Retardant according to IEC/EN 60332-1-2

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



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 6/10 (12)KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9Q10KV01050	1	50	16	29	750
A9Q10KV01070	1	70	16	31	850
A9Q10KV01095	1	95	16	32	950
A9Q10KV01120	1	120	16	34	1050
A9Q10KV01150	1	150	25	35	1300
A9Q10KV01185	1	185	25	37	1400
A9Q10KV01240	1	240	25	39	1650
A9Q10KV01300	1	300	25	40	1850
A9Q10KV01400	1	400	35	45	2300

ELECTRICAL CHARACTERISTICS 6/10 (12)KV

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
50	16	171	183
70	16	208	228
95	16	248	278
120	16	283	321
150	25	315	364
185	25	357	418
240	25	413	494
300	25	466	568
400	35	529	660

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.



DIMENSIONS 12/20 (24)KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9Q20KV01050	1	50	16	33	950
A9Q20KV01070	1	70	16	35	1050
A9Q20KV01095	1	95	16	36	1150
A9Q20KV01120	1	120	16	38	1300
A9Q20KV01150	1	150	25	39	1500
A9Q20KV01185	1	185	25	41	1650
A9Q20KV01240	1	240	25	44	1850
A9Q20KV01300	1	300	25	46	2100
A9Q20KV01400	1	400	35	49	2550

ELECTRICAL CHARACTERISTICS 12/20 (24)KV

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Ground	In Air
50	16	172	185
70	16	210	231
95	16	251	280
120	16	285	323
150	25	319	366
185	25	361	420
240	25	417	496
300	25	471	569
400	35	535	660

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DIMENSIONS 18/30 (36)KV

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²		NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
		Conductor	Copper Wire Screen		
A9Q30KV01050	1	50	16	41	1190
A9Q30KV01070	1	70	16	42	1315
A9Q30KV01095	1	95	16	43	1450
A9Q30KV01120	1	120	16	45	1580
A9Q30KV01150	1	150	25	47	1800
A9Q30KV01185	1	185	25	49	1965
A9Q30KV01240	1	240	25	51	2230
A9Q30KV01300	1	300	25	53	2470
A9Q30KV01400	1	400	35	56	2920

ELECTRICAL CHARACTERISTICS 18/30 (36)KV

NOMINAL CROSS SECTIONAL AREA mm ²		CURRENT CARRYING CAPACITY Amps	
Conductor	Copper Wire Screen	In Trefoil	
		In Ground	In Air
50	16	175	187
70	16	214	232
95	16	256	281
120	16	290	323
150	25	324	365
185	25	366	418
240	25	426	494
300	25	479	564
400	35	545	654

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