





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA		NOMINAL CONDUCTOR DIAMETER	NUMBER WIRES CONDUCTOR	NOM. THICKNESS SEMI-CON. LAYER		NOMINAL INSULATION THICKNESS	MINIMUM INSULATION THICKNESS	NOMINAL DIAMETER OVER INSULATION
		mm <sup>2</sup>				INNER	OUTER			
		Conductor	Screen							
A9XF30KV150RD	1	50	16	8.10	10 x 2.62	0.50	0.40	8.00	7.10	25.1
A9XF30KV170RD	1	70	16	9.70	14 x 2.62	0.50	0.40	8.00	7.10	26.7
A9XF30KV195RD	1	95	16	11.4	19 x 2.62	0.50	0.40	8.00	7.10	28.4
A9XF30KV1120RD	1	120	16	12.7	19 x 2.97	0.50	0.40	8.00	7.10	29.7
A9XF30KV1150RD	1	150	25	14.5	19 x 3.20	0.50	0.40	8.00	7.10	31.5
A9XF30KV1185RD	1	185	25	15.9	27 x 2.62	0.50	0.40	8.00	7.10	32.9
A9XF30KV1240RD	1	240	25	18.6	48 x 2.62	0.50	0.40	8.00	7.10	35.6
A9XF30KV1300RD	1	300	25	20.7	61 x 2.62	0.50	0.40	8.00	7.10	37.7
A9XF30KV1400RD	1	400	35	23.5	61 x 2.97	0.50	0.40	8.00	7.10	40.5
A9XF30KV1500RD	1	500	35	26.5	61 x 3.29	0.50	0.40	8.00	7.10	43.5
A9XF30KV1630RD	1	630	35	30.2	61 x 3.80	0.50	0.40	8.00	7.10	47.7

NOMINAL CROSS SECTIONAL AREA	NUMBER WIRES SCREEN	DIAMETER TAPE SCREEN	NOMINAL SHEATH THICKNESS	MINIMUM SHEATH THICKNESS	NOMINAL OVERALL DIAMETER	NOMINAL WEIGHT	MAXIMUM SIDEWALL PRESSURE	MAXIMUM PULLING TENSION
mm <sup>2</sup>	mm	mm	mm	mm	mm	kg/km	N/cm <sup>2</sup>	N
50	44 x 0.66	1x0.1x10	2.00	1.40	32	1300	416	2500
70	44 x 0.66	1x0.1x10	2.00	1.40	34	1500	534	3500
95	44 x 0.66	1x0.1x10	2.10	1.48	36	1900	668	4750
120	44 x 0.66	1x0.1x10	2.10	1.48	37	2250	805	6000
150	71 x 0.66	1x0.1x10	2.20	1.56	39	2500	935	7500
185	71 x 0.66	1x0.1x10	2.20	1.56	40	3000	1103	9250
240	71 x 0.66	1x0.1x10	2.30	1.64	43	3500	1299	12000
300	71 x 0.66	1x0.1x10	2.40	1.72	46	4250	1499	15000
400	60 x 0.85	1x0.1x15	2.50	1.80	49	5250	1839	20000
500	60 x 0.85	1x0.1x15	2.60	1.88	52	6250	2123	25000
630	60 x 0.85	1x0.1x15	2.70	1.96	56	7250	2436	31500



## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONDUCTOR DC RESISTANCE AT 20°C ohms/km	CONDUCTOR DC RESISTANCE AT 75°C ohms/km	CONDUCTOR AC RESISTANCE BY MAX TEMP ohms/km	CURRENT CARRYING CAPACITY ( A )		REACTANCE ohms/km	CHARGING ADMITTANCE A/km	CAPACITANCE uF/km	S.C.C CONDUCTOR 1SEC kA	S.C.C SCREEN 1SEC kA	CONDUCTOR LOSSES IN THE GROUND kW/km
				In Ground 20°C	In Air 30°C						
50	0.387	0.801	0.497	251	279	0.20	0.44	0.12	7.15	3.2	31.3
70	0.268	0.555	0.344	306	348	0.19	0.41	0.13	10.1	3.2	32.2
95	0.193	0.399	0.248	363	421	0.19	0.38	0.14	13.59	3.2	32.7
120	0.153	0.316	0.196	410	483	0.18	0.37	0.15	17.16	3.2	32.9
150	0.124	0.160	0.256	449	540	0.18	0.36	0.17	21.45	5.0	32.3
185	0.0991	0.205	0.128	503	615	0.17	0.35	0.17	26.46	5.0	32.4
240	0.0754	0.156	0.0980	576	718	0.17	0.34	0.20	34.32	5.0	32.5
300	0.0601	0.124	0.0800	641	812	0.17	0.32	0.21	42.90	5.0	32.9
400	0.0470	0.0974	0.0640	697	904	0.16	0.31	0.24	57.20	7.1	31.1
500	0.0366	0.0758	0.0510	768	1011	0.16	0.30	0.26	71.50	7.1	30.1
630	0.0283	0.0420	0.0586	850	1030	0.15	0.29	0.29	90.09	7.1	30.3

Derating factor (ground): 1 (Soil thermal resistivity: 1km/W, Depth 0.8m, Flat formation - touching)

Derating factor (air): 1 (Flat formation - touching)

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.