

# KA

## Flexible Rubber SWA

0.6/1kV 110°C  
Insulation X-HF-110

### Typical Applications

Flexible Rubber Aluminium Wire Armour cable suitable for Mains and Sub-Mains, Power Distribution, Electric Motors, Mining, Transport and Direct Burial applications where mechanical protection is required.



### Standard Core Configuration

1C:

Other colours available on request

### Construction

**Conductor** Fine wire plain or tinned annealed copper to IEC 60228 and AS/NZS 1125.

**Insulation** LSFLEX<sup>®</sup> R-70 (X-HF-110) Cross-Linked, Thermoset

**Bedding** E-RUBBER<sup>®</sup> S-20 Thermoplastic, Elastomeric

**Armour** Aluminium wire armour

**Separator** Polypropylene tape

**Jacket** Low Friction E-RUBBER<sup>®</sup> S-20 Thermoplastic, Elastomeric, Flame Retardant. Splash resistant to oil, skydrol, petrol, acid and sea water. Resists ozone and UV. Excellent abrasion resistance. Submersible to 500m. Best Practice PVC. Anti-Termite/Rodent Jacket is Available.

### Operating Temp

-40°C to +110°C

### Voltage Rating

600/1000 Volts

### Core identification

To customers specification

### Jacket Colour

To customers specification

### Standards

AS/NZS 1125 IEC 60228

AS/NZS 1660.5.1 IEC 60332-1

AS/NZS 1660.5.6 IEC 60332-3-22

AS/NZS 3008.1

AS/NZS 3808

AS/NZS 5000.1



Size	Earth	Min. Bend	Nom. Cond.	Nom. Ins.	Nom. Bed.	Nom. Arm.	Nom. Cable	Current Rating	Approx. Wt.
mm <sup>2</sup>	mm <sup>2</sup>	Radius mm	OD mm	OD mm	OD mm	OD mm	OD mm	amp	kg/km
1c6	-	79.4	3.0	4.4	7.3	9.3	13.2	57	225
1c10	-	85.2	4.0	5.4	8.3	10.3	14.2	80	280
1c16	-	91.3	5.0	6.4	9.3	11.3	15.2	105	350
1c25	-	107.0	6.2	8.1	10.9	13.8	17.8	139	510
1c35	-	114.0	7.4	9.2	12.1	15.0	19.0	172	619
1c50	-	123.9	8.8	10.8	13.7	16.6	20.7	217	784
1c70	-	145.5	10.6	12.8	15.7	20.1	24.2	273	1140
1c95	-	157.1	12.3	14.5	17.6	22.0	26.2	329	1359
1c120	-	168.2	14.5	17.0	20.2	23.8	28.0	390	1674
1c150	-	184.2	16.3	19.2	22.6	26.2	30.7	450	2064
1c185	-	198.3	18.0	21.3	24.7	28.3	33.0	516	2439
1c240	-	221.0	20.3	23.8	27.4	31.8	36.8	620	3123
1c300	-	238.2	22.5	26.2	30.0	34.4	39.7	714	3813
1c400	-	267.0	26.0	30.1	34.3	38.7	44.5	855	4827
1c500	-	297.7	29.2	33.7	38.2	43.6	49.6	990	6093
1c630	-	325.9	32.8	37.7	42.4	47.8	54.3	1154	7489

Size <i>mm<sup>2</sup></i>	Earth <i>mm<sup>2</sup></i>	Min. Bend Radius <i>mm</i>	Nom. Cond. OD <i>mm</i>	Nom. Ins. OD <i>mm</i>	Nom. Bed. OD <i>mm</i>	Nom. Arm. OD <i>mm</i>	Nom. Cable OD <i>mm</i>	Current Rating <i>amp</i>	Approx. Wt. <i>kg/km</i>
2c6	6	113.2	3.0		11.9	14.8	18.9	63	730
2c10	4	120.6	4.0		13.2	16.1	20.1	88	815
2c16	6	143.2	5.0		15.3	19.7	23.9	116	1293
2c25	6	165.2	6.2		18.9	23.3	27.5	154	1688
2c35	10	183.0	7.4		21.6	26.0	30.5	190	2072
2c50	16	203.2	8.8		24.7	29.1	33.9	238	2592
2c70	25	225.8	10.6		28.2	32.6	37.6	299	3310
2c95	25	263.2	12.3		32.9	38.3	43.9	357	4407
3c1.5	1.5	96.7	1.5		9.2	12.1	16.1	24	490
3c2.5	2.5	105.3	1.9		10.6	13.5	17.5	32	580
3c4	4	111.4	2.5		11.6	14.5	18.6	42	671
3c6	6	120.6	3.0		13.1	16.0	20.1	54	810
3c10	4	138.9	4.0		14.6	19.0	23.2	75	1216
3c16	6	151.8	5.0		16.9	21.3	25.3	99	1517
3c25	6	173.2	6.2		20.0	24.4	28.9	131	1975
3c35	10	194.0	7.4		23.2	27.6	32.3	162	2450
3c50	16	216.6	8.8		26.7	31.1	36.1	204	3135
3c70	25	247.9	10.6		31.4	35.8	41.3	255	4164
3c95	25	278.5	12.3		35.3	40.7	46.4	306	5335
3c120	35	310.3	13.9		40.0	45.4	51.7	360	6474
3c150	50	343.3	15.1		45.0	50.4	57.2	413	7832
3c185	70	376.4	16.9		50.2	55.6	62.7	470	9104
3c240	95	416.2	18.9		56.1	61.5	69.4	559	11410
3c300	120	432.7	21.5		58.8	64.2	72.1	638	13603
4c4	4	114.4	2.5		12.7	15.6	19.1	42	735
4c6	6	137.1	3.0		14.3	18.7	22.8	54	1182
4c10	4	148.7	4.0		16.2	20.6	24.8	75	1415
4c16	6	165.2	5.0		18.9	23.3	27.5	99	1786
4c25	6	187.9	6.2		22.4	26.8	31.3	131	2319
4c35	10	212.4	7.4		26.0	30.4	35.4	162	2957
4c50	16	241.1	8.8		30.5	34.9	40.2	204	3810
4c70	25	278.5	10.6		35.3	40.7	46.4	255	5474
4c95	25	310.9	12.3		40.1	45.5	51.8	306	6541
4c120	35	342.7	13.9		45.0	50.4	57.1	360	7955
4c150	50	382.5	15.1		51.0	56.4	63.8	413	9601
4c185	70	418.6	16.9		56.5	61.9	69.8	470	11200
4c240	95	437.6	18.9		59.4	64.8	72.9	559	13807
5c1.5	-	95.6	1.5		10.2	12.2	15.9	16	444
5c2.5	-	108.5	1.9		11.4	14.3	18.1	21	646
6c1.5	-	106.5	1.5		11.1	14.0	17.8	15	602
6c2.5	-	114.7	1.9		12.4	15.4	19.1	20	719
7c1.5	-	106.5	1.5		11.1	14.0	17.8	14	619
7c2.5	-	114.7	1.9		12.4	15.4	19.1	19	745
8c1.5	-	112.8	1.5		12.1	15.1	18.8	14	683
10c1.5	-	132.7	1.5		13.9	18.4	22.1	13	1045
10c2.5	-	143.5	1.9		15.7	20.2	23.9	17	1243
12c1.5	-	136.3	1.5		14.5	19.0	22.7	12	1114
12c2.5	-	146.4	1.9		16.4	20.9	24.4	16	1321
14c1.5	-	140.8	1.5		15.2	19.7	23.5	11	1185
14c2.5	-	151.5	1.9		17.2	21.7	25.3	15	1412

Size <i>mm<sup>2</sup></i>	Earth <i>mm<sup>2</sup></i>	Min. Bend Radius <i>mm</i>	Nom. Cond. OD <i>mm</i>	Nom. Ins. OD <i>mm</i>	Nom. Bed. OD <i>mm</i>	Nom. Arm. OD <i>mm</i>	Nom. Cable OD <i>mm</i>	Current Rating <i>amp</i>	Approx. Wt. <i>kg/km</i>
19c2.5	-	165.2	1.9		19.3	23.8	27.5	14	1664
21c1.5	-	157.8	1.5		18.1	22.6	26.3	10	1452
21c2.5	-	173.6	1.9		20.5	25.0	28.9	13	1800
24c1.5	-	168.6	1.5		19.9	24.4	28.1	9	1610
24c2.5	-	186.0	1.9		22.6	27.1	31.0	13	1990
27c1.5	-	173.4	1.5		20.5	25.0	28.9	9	1709
27c2.5	-	191.4	1.9		23.3	27.7	31.9	12	2119
30c1.5	-	177.9	1.5		21.2	25.7	29.7	9	1797
30c2.5	-	196.6	1.9		24.1	28.6	32.8	12	2237
33c1.5	-	183.3	1.5		22.1	26.6	30.5	8	1888
33c2.5	-	202.8	1.9		25.2	29.6	33.8	11	2358
37c1.5	-	188.7	1.5		23.0	27.5	31.4	8	1997
37c2.5	-	210.2	1.9		26.2	30.7	35.0	11	2547

Continuous current carrying capacities are calculated assuming 40° ambient temperature in free air, flexible unenclosed touching. For other installation methods, please refer to our current ratings table.

There is a +5% tolerance to the NOMINAL values due to manufacturing process variations. TriCab is not liable for any errors, omissions, etc., and reserves the right to modify specifications at any time.

### Conductor Comparison - TriCab versus Class 5 & 6 (approximate no.of wires)

Size <i>mm<sup>2</sup></i>	50	70	95	120	150	185	240	300	400	500	630
TriCab	658	969	1216	1672	2052	2508	3256	4144	5368	6832	8784
Class5	378	342	465	587	734	905	1174	1468	1958	1710	2155
Class6	662	927	1258	1589	1987	1401	1817	2272			

Issue 19.0

