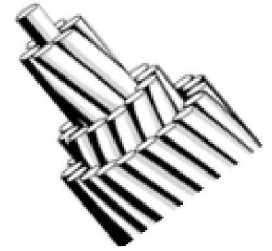




CONDUCTOR DATA SHEET

Aluminum Alloy Conductors Steel Reinforced (AACSR)



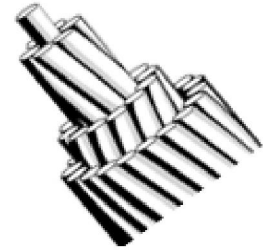
Code	Area			Stranding & Wire Diameter		Approx. Overall Diameter mm	Mass Per Unit Length kg/km	Calculated Breaking Load kN	DC Resistance at 20oC ohm/km
	Aluminum mm ²	Steel mm ²	Total mm ²	Aluminum mm	Steel mm				
AUSTRIA									
34-AL3/6-ST1A	34.4	5.73	40.1	6/2.70	1/2.70	8.1	138.6	16.66	0.9601
48-AL3/8-ST1A	48.3	8.04	56.3	6/3.20	1/3.20	9.6	194.7	23.08	0.6835
70-AL3/11-ST1A	69.9	11.4	81.3	26/1.85	7/1.44	11.7	282	33.96	0.4756
97-AL3/34-ST1A	96.8	34.4	131.1	36/1.85	7/2.50	14.9	536.2	67.72	0.3441
128-AL3/30-ST1A	127.9	29.8	157.8	30/2.33	7/2.33	16.3	586.6	71.76	0.2601
172-AL3/40-ST1A	171.8	40.1	211.8	30/2.70	7/2.7	18.9	787.7	96.36	0.1937
243-AL3/39-ST1A	243.1	39.5	282.5	26/3.45	7/2.68	21.8	979.4	116.72	0.1368
238-AL3/82-ST1A	237.8	82.4	320.2	36/2.9	19/2.35	23.4	1304.6	164.09	0.1402
341-AL3/109-ST1A	341.2	108.8	450	78/2.36	19/2.70	27.7	1796.4	224.67	0.0976
679-AL3/86-ST1A	678.6	86	764.5	54/4.0	19/2.40	36	2547.6	298.17	0.049
1288-AL3/183-ST1A	1288.2	182.8	1471.1	100/4.05	19/3.50	49.9	4997.6	581.12	0.0259
BELGIUM									
119-AL4/28-ST1	119.3	27.8	147.1	30/2.25	7/2.25	15.8	547	71.33	0.2423
147-AL4/34-ST1	147.3	34.4	181.6	30/2.5	7/2.5	17.5	675.3	87.03	0.1963
185-AL4/43-ST1	184.7	43.1	227.8	30/2.8	7/2.8	19.6	847.1	109.17	0.1565
241-AL4/56-ST1	241.3	56.3	297.6	30/3.2	7/3.2	22.4	1106.4	140.34	0.1198
525-AL4/68-ST1	525.5	68.1	593.6	54/3.52	7/3.52	31.7	1984.3	240.46	0.055
FINLAND									
106-AL2/25-ST1A	105.9	24.7	130.6	30/2.12	7/2.12	14.8	485.6	63.33	0.3171

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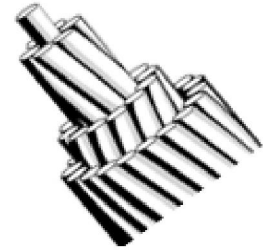
Code	Area			Stranding & Wire Diameter		Approx. Overall Diameter mm	Mass Per Unit Length kg/km	Calculated Breaking Load kN	DC Resistance at 20oC ohm/km
	Aluminum mm ²	Steel mm ²	Total mm ²	Aluminum mm	Steel mm				
FRANCE									
28-AL4/9-ST6C	28.3	9.4	37.7	9/2.0	3/2.0	8.3	151.4	22.86	1.175
48-AL4/28-ST6C	47.7	27.8	75.5	12/2.25	7/2.25	11.3	349.3	55.86	0.6981
72-AL4/76-ST6C	71.6	75.5	147.1	18/2.25	19/2.25	15.8	791	132.8	0.4678
147-AL4/34-ST6C	147.3	34.4	181.6	30/2.5	7/2.5	17.5	675.3	96.31	0.2264
140-AL4/148-ST6C	140.3	148.1	288.3	18/3.15	19/3.15	22.1	1550.4	249.93	0.2387
206-AL4/93-ST6C	206.2	93.3	299.4	42/2.5	19/2.5	22.5	1302.8	198.51	0.1622
326-AL4/86-ST6C	325.7	86	411.7	32/3.6	19/2.4	26.4	1575.1	223.8	0.1025
717-AL4/148-ST6C	717.3	148.1	865.4	66/3.72	19/3.15	38.1	3143.2	430.29	0.0465
957-AL4/228-ST6C	956.7	227.8	1184	54/2.8	37/2.8	42	4430.7	632.15	0.0349
GERMANY									
15-AL3/3-ST1A	15.3	2.54	17.8	6/1.8	1/1.8	5.4	61.6	7.48	2.1602
44-AL3/32-ST1A	44	31.7	75.6	14/2.0	7/2.40	11.2	369.1	49.08	0.7566
51-AL3/30-ST1A	51.2	29.8	81	12/2.33	7/2.33	11.7	374.6	49.12	0.6496
94-AL3/15-ST1A	94.4	15.3	109.7	26/2.15	7/1.67	13.6	380.3	45.79	0.3521
106-AL3/76-ST1A	105.7	75.5	181.2	14/3.1	19/2.25	17.5	885	119.56	0.3155
128-AL3/30-ST1A	127.9	29.8	157.8	30/2.33	7/2.33	16.3	586.6	71.76	0.2601
209-AL3/34-ST1A	209.1	34.1	243.2	26/3.2	7/2.49	20.3	843.5	100.54	0.159
231-AL3/30-ST1A	230.9	29.8	260.8	24/3.50	7/2.33	21	870.1	102.14	0.1439
305-AL3/39-ST1A	304.6	39.5	344.1	54/2.68	7/2.68	24.1	1150.3	134.88	0.1093
339-AL3/30-ST1A	339.3	29.8	369.1	48/3.0	7/2.33	25	1170.2	134.12	0.098
449-AL3/39-ST1A	448.7	39.5	488.2	48/3.45	7/2.68	28.7	1547.7	177.39	0.0741
679-AL3/86-ST1A	678.6	86	764.5	54/4.0	19/2.40	36	2547.6	298.17	0.049

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Code	Area			Stranding & Wire Diameter		Approx. Overall Diameter mm	Mass Per Unit Length kg/km	Calculated Breaking Load kN	DC Resistance at 20oC ohm/km
	Aluminum mm ²	Steel mm ²	Total mm ²	Aluminum mm	Steel mm				
NORWAY									
96-AL3/86-ST5E	96.4	86	182.4	16/2.77	19/2.40	17.5	941.3	146.2	0.3462
96-AL3/102-ST5E	96.3	101.7	198	18/2.61	19/2.61	18.3	1064.4	167.68	0.3469
127-AL3/134-ST5E	127.2	134.3	261.5	18/3.0	19/3.0	21	1406.3	221.53	0.2626
202-AL3/211-ST5E	202	210.6	412.6	18/3.78	37/2.69	26.5	2216.3	348.08	0.1654
703-AL3/89-ST5E	702.5	88.8	791.4	54/4.07	19/2.44	36.6	2636.4	328.96	0.0473
886-AL3/112-ST5E	885.8	112	997.8	54/4.57	19/2.74	41.1	3324.1	414.78	0.0376
1683-AL3/211-ST5E	1683.3	210.6	1893.9	150/3.78	37/2.69	56.7	6305.5	785.07	0.0198
SPAIN									
27-AL2/4-ST1A	26.7	4.45	31.1	6/2.38	1/2.38	7.14	107.7	13.75	1.2474
67-AL2/11-ST1A	67.3	11.2	78.6	6/3.78	1/3.78	11.3	271.6	33.55	0.4945
119-AL2/28-ST1A	119.3	27.8	147.1	30/2.25	7/2.25	15.8	547	71.33	0.2815
226-AL2/53-ST1A	226.4	52.8	279.3	30/3.1	7/3.1	21.7	1038.4	131.71	0.1483
SWITZERLAND									
14-AL3/4-ST1A	13.6	2.27	15.9	6/1.7	1/1.7	5.1	54.9	6.67	2.4218
60-AL3/10-ST1A	59.7	10	59.7	6/3.56	1/3.56	10.7	240.9	28.57	0.5523
150-AL3/35-ST1A	149.6	34.9	184.5	30/2.52	7/2.52	17.6	686.2	83.94	0.2223
282-AL3/66-ST1A	282.1	65.8	30/3.46	7/3.46	7/3.46	24.2	1293.5	155.61	0.1179
784-AL3/97-ST1A	748.1	97	845.2	96/3.15	19/2.55	38	2830.6	331.32	0.0446
UNITED KINGDOM									
183-AL5/43-ST1A	183.4	42.8	226.2	30/2.79	7/2.79	19.5	841.6	102.89	0.174

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