DIN 48206

Aluminum Alloy Conductor Steel Reinforced (AACSR)

Cross Section			No. of Wires	Dia. of Wires	No. of Wires	Dia. of Wires	Overall Diameter	Linear Mass	Rated Tensile Strength	Max. DC Resistance at 20°C
Nominal	Alloy	Steel	Alloy Wires		Steel Wires					
mm²	mm²	mm²	-	mm	-	mm	mm	kg/km	daN	Ω/km
16/2.5	15.27	2.54	6	1.80	1	1.80	5.40	62	748	2.1800
25/4	23.86	3.98	6	2.25	1	2.25	6.80	97	1171	1.3952
35/6	**34.35**	**5.73**	**6**	**2.70**	**1**	**2.70**	**8.10**	**140**	**1685**	**0.9689**
44/32	43.98	31.67	14	2.00	7	2.40	11.20	373	5027	0.7625
50/8	48.25	8.04	6	3.20	1	3.20	9.60	196	2366	0.6898
50/30	51.17	29.85	12	2.33	7	2.33	11.70	378	5024	0.6547
70/12	69.89	11.40	26	1.85	7	1.44	11.70	284	3399	0.4791
95/15	94.39	15.33	26	2.15	7	1.67	13.60	383	4582	0.3547
95/55	96.51	56.30	12	3.20	7	3.20	16.00	714	9475	0.3471
105/75	105.67	75.55	14	3.10	19	2.25	17.50	899	12014	0.3174
120/20	121.57	19.85	26	2.44	7	1.90	15.50	494	5914	0.2754
120/70	122.15	71.25	12	3.60	7	3.60	18.00	904	11912	0.2742
125/30	127.92	29.85	30	2.33	7	2.33	16.30	590	7280	0.2621
150/25	148.86	24.25	26	2.70	7	2.10	17.10	604	7236	0.2249
170/40	171.77	40.08	30	2.70	7	2.70	18.90	794	9775	0.1952
185/30	183.78	29.85	26	3.00	7	2.33	19.00	744	8922	0.1822
210/35	209.10	34.09	26	3.20	7	2.49	20.30	848	10167	0.1601
210/50	212.06	49.48	30	3.00	7	3.00	21.00	979	12068	0.1581
230/30	230.91	29.85	24	3.50	7	2.33	21.00	674	10306	0.1449
240/40	243.05	39.49	26	3.45	7	2.68	21.80	985	11802	0.1378
265/35	263.66	34.09	24	3.74	7	2.49	22.40	998	11771	0.1269
300/50	304.26	49.48	26	3.86	7	3.00	24.50	1233	14779	0.1101
305/40	304.62	39.49	54	2.68	7	2.68	24.10	1155	13612	0.1101
340/30	339.29	29.85	48	3.00	7	2.33	25.00	1174	13494	0.0988
380/50	381.70	49.48	54	3.00	7	3.00	27.00	1448	17056	0.0879
385/35	386.04	34.09	48	3.20	7	2.49	26.70	1336	15369	0.0868
435/55	434.29	56.30	54	3.20	7	3.20	28.80	1647	19406	0.0772
450/40	448.71	39.49	48	3.45	7	2.68	28.70	1553	17848	0.0747
490/65	490.28	63.55	54	3.40	7	3.40	30.60	1860	21907	0.0684
550/70	549.65	71.25	54	3.60	7	3.60	32.40	2085	24560	0.0610
560/50	561.70	49.48	48	3.86	7	3.00	32.20	1943	22348	0.0597
680/85	678.58	85.95	54	4.00	19	2.40	36.00	2564	30084	0.0494

ASTM B711

Aluminum Alloy Conductor Steel Reinforced (AACSR)

Cross Section			No. of Wires	Dia. of Wires	No. of Wires	Dia. of Wires	Overall Diameter	Linear Mass	Rated Tensile Strength	Max. DC Resistance at 20°C
Nominal	Alloy	Steel	Alloy Wires		Steel Wires					
mm²	mm²	mm²	-	mm	-	mm	mm	kg/km	daN	Ω/km
163	140	23	26	2.62	7	2.04	16.60	560	7500	0.240
173	140	33	30	2.44	7	2.44	17.10	650	8740	0.240
186	**160**	**26**	**26**	**2.80**	**7**	**2.18**	**17.70**	**645**	**8560**	**0.210**
198	160	38	30	2.61	7	2.61	18.30	740	10600	0.210
209	180	29	26	2.97	7	2.31	18.80	725	9510	0.187
222	180	42	30	2.76	7	2.76	19.30	825	11200	0.187
232	200	32	26	3.13	7	2.43	19.80	800	10600	0.168
247	200	47	30	2.91	7	2.91	20.40	920	12400	0.168
260	224	36	26	3.31	7	2.57	21.00	900	11800	0.150
276	224	52	30	3.08	7	3.08	21.60	1025	13900	0.150
291	250	41	26	3.50	7	2.72	22.20	1010	12900	0.135
308	250	58	30	3.26	7	3.26	22.80	1145	15600	0.135
326	280	46	26	3.70	7	2.88	23.40	1140	14400	0.120
345	280	65	30	3.45	7	3.45	24.20	1280	17100	0.120
367	315	52	26	3.93	7	3.06	24.90	1276	16300	0.107
387	315	72	30	3.66	19	2.20	25.60	1433	19000	0.107
413	355	58	26	4.17	7	3.24	26.40	1433	18300	0.095
436	355	81	30	3.88	19	2.33	27.20	1614	21100	0.095
465	400	65	26	4.43	7	3.45	28.10	1612	20700	0.084
491	400	91	30	4.12	19	2.47	28.80	1816	23700	0.084
509	450	59	54	3.26	19	1.98	29.50	1703	21500	0.075
563	500	63	54	3.43	19	2.06	30.90	1873	22900	0.067
631	560	71	54	3.63	19	2.18	32.70	2101	25700	0.060
710	630	80	54	3.85	19	2.31	34.60	2365	28600	0.053
800	710	90	54	4.09	19	2.45	36.80	2665	32200	0.047
901	800	101	54	4.34	19	2.60	39.00	3000	36300	0.042
973	900	73	84	3.69	19	2.21	40.60	3062	35500	0.037
1081	1000	81	84	3.89	19	2.33	42.80	3395	39100	0.034
1211	1120	91	84	4.12	19	2.47	45.30	3803	43900	0.030
1352	1250	102	84	4.35	19	2.61	47.80	4250	49000	0.027

IEC 61089

Aluminum Alloy Conductor Steel Reinforced (AACSR)

Code Number	A2 Conductors						A3 Conductors						Max. DC Resistance at 20°C
	No./Dia. of Al Alloy	No./Dia. of Steel Wire	Overall Diameter	Approx. Weight	Rated Strength		No./Dia. of Al Alloy	No./Dia. of Steel Wire	Overall Diameter	Approx. Weight	Rated Strength		
					A2/S1A	A2/S3A					A3/S1A	A3/S3A	
mm²	No./mm	No./mm	mm	kg/km	kN	kN	No./mm	No./mm	mm	kg/km	kN	kN	Ω/km
16	6/1.98	1/1.98	5.93	74.4	9.02	9.88	6/1.99	1/1.99	5.96	75.1	9.67	10.53	1.7934
25	6/2.47	1/2.47	7.41	116.2	13.96	15.25	6/2.48	1/2.48	7.45	117.3	14.96	16.27	1.1478
40	6/3.13	1/3.13	9.38	185.9	22.02	24.17	6/3.14	1/3.14	9.42	187.7	23.63	25.79	0.7174
63	6/3.92	1/3.92	11.80	292.8	34.68	37.58	6/3.84	1/3.94	11.80	295.6	36.48	39.41	0.4555
100	18/2.85	1/2.85	14.30	366.4	41.24	42.97	18/2.87	1/2.87	14.30	369.9	45.12	46.86	0.2880
125	18/3.19	1/3.19	16.00	458.0	51.23	53.47	18/3.21	1/3.21	16.00	462.3	56.08	58.34	0.2304
125	26/2.65	7/2.06	16.80	579.9	69.86	76.42	26/2.07	7/2.07	16.90	585.4	74.88	81.50	0.2310
160	18/3.61	1/3.61	18.00	586.2	65.58	68.03	18/3.63	1/3.63	18.10	591.8	69.92	72.40	0.1800
160	26/3.00	7/2.34	19.00	742.3	88.52	96.61	26/3.02	7/2.35	19.10	749.4	94.94	103.11	0.1805
200	18/4.04	1/4.04	20.20	732.8	81.97	85.04	18/4.05	1/4.05	20.30	739.8	87.40	90.50	0.1440
200	26/3.36	7/2.61	21.30	927.9	110.64	120.77	26/3.37	7/2.62	21.40	936.7	118.67	128.89	0.1444
250	22/4.08	7/2.27	23.10	1013.5	117.09	124.72	22/4.10	7/2.28	23.20	1023.2	124.02	131.72	0.1154
250	26/3.75	7/2.92	23.80	1159.6	138.31	150.96	26/3.77	7/2.93	23.90	1170.9	145.43	158.21	0.1155
315	45/3.2	7/2.14	25.80	1196.5	136.28	143.30	45/3.22	7/2.15	25.70	1207.9	148.56	155.64	0.0917
315	26/4.21	7/3.28	26.70	1461.4	171.90	188.44	26/4.23	7/3.29	26.80	1475.9	180.86	197.55	0.0917
400	45/3.61	7/2.41	28.90	1519.4	172.10	180.36	45/3.63	7/2.42	29.00	1533.9	183.03	191.71	0.0722
400	54/3.29	7/3.29	29.70	1738.3	201.46	218.17	54/3.31	7/3.31	29.80	1754.9	217.32	234.19	0.0723
450	45/3.83	7/2.55	30.60	1709.3	193.61	203.28	45/3.85	7/2.56	30.80	1725.6	205.91	215.67	0.0642
450	54/3.49	7/3.49	31.50	1955.6	226.64	245.44	54/3.51	7/3.51	31.60	1974.2	239.26	255.52	0.0643
500	45/4.04	7/2.69	32.30	1899.3	215.12	225.86	45/4.05	7/2.70	32.40	1917.3	228.79	239.63	0.0578
500	54/3.68	7/3.68	33.20	2172.9	251.82	269.73	54/3.70	7/3.70	33.30	2193.6	265.84	283.91	0.0578
560	45/4.27	7/2.85	34.20	2127.2	240.93	252.97	45/4.29	7/2.86	34.30	2147.4	256.24	268.39	0.0516
560	54/3.9	19/2.34	35.10	2420.9	283.21	305.25	54/3.92	19/2.35	35.30	2444.0	298.92	321.17	0.0516
630	72/3.58	7/2.39	35.80	2248.0	249.62	258.08	72/3.60	7/2.40	36.00	2269.4	266.64	275.18	0.0459
630	54/4.13	19/2.48	37.20	2723.5	318.61	343.40	54/4.15	19/2.49	37.40	2749.5	336.28	361.32	0.0459
710	72/3.8	7/2.53	38.00	2533.4	281.32	290,85	72/3.82	7/2.55	38.20	2557.6	300.50	310.12	0.0407
710	54/4.39	19/2.63	39.50	3069.4	359.06	387.01	54/4.41	19/2.65	39.70	3098.6	378.98	407.20	0.0407
800	72/4.04	7/2.69	40.40	2854.6	316.98	327.72	72/4.05	7/2.70	40.50	2881.8	338.59	349.43	0.0361
800	84/3.74	7/3.74	41.10	3145.1	356.03	374.44	84/3.75	7/3.75	41.30	3175.1	378.01	396.60	0.0362
900	72/4.28	7/2.85	42.80	3211.4	356.60	368.69	72/4.30	7/2.87	43.00	3242.0	380.91	393.11	0.0321
900	84/3.96	7/3.96	43.60	3538.3	400.53	421.25	84/3.98	7/3.98	43.80	3572.0	425.26	446.17	0.0322
1000	84/4.18	19/2.61	45.90	3916.8	446.37	471.67	84/4.20	19/2.52	46.20	3954.1	473.86	499.40	0.0289
1120	84/4.42	19/2.65	48.60	4386.8	499.93	528.27	84/4.44	19/2.66	48.90	4428.6	530.72	559.33	0.0258