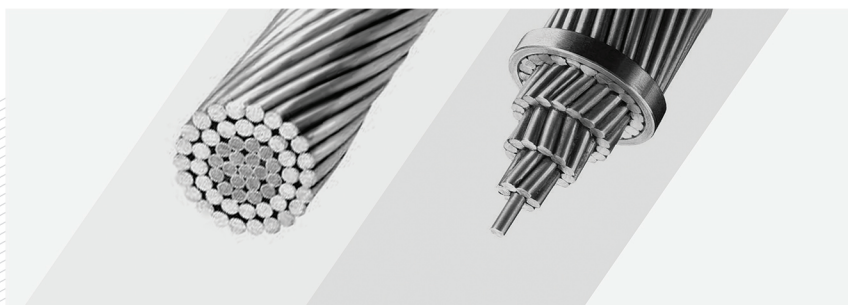


Aluminium Conductors Aluminium Clad Steel Reinforced (ACSR-AW)



For transmission and distribution in electrical networks over long spans

Standard : EN 50182 / IEC 61089 / ASTM B-549

TECHNICAL INFORMATION A-ACCORDING TO EN 50182

Code Number	Cross Section mm ²	Stranding & Wire Diam No x mm		Overall Diameter mm	Unit Weight Kg/Km		Rated Strength KN	Electrical Resistance at 20°C ohm/km
		Al	Steel		Al	AW		
LARL-30	31.1	6x2.38	1x2.38	7.14	73	29	10.2	1.018
LARL-56	54.6	6x3.15	1x3.15	9.45	128	51	7.2	0.581
LARL-78	78.6	6x3.78	1x3.78	11.34	185	74	23.0	0.403
LARL-145	147.1	30x2.25	7x2.25	15.75	330	184	55.1	0.224
LARL-180	181.6	20x2.50	7x2.50	17.5	407	227	66.3	0.182
LARL-280	281.1	26x3.44	7x2.68	21.80	667	262	87.6	0.113
LARL-380	381	54x2.82	7x2.82	25.38	932	290	109.6	0.082
LARL-455	454.4	54x3.08	7x3.08	27.72	1112	345	129.4	0.069
LARL-516	516.8	45x3.70	7x2.47	29.61	1339	221	117.4	0.059
LARL-545	547.3	54x3.38	7x3.38	30.42	1339	416	153.2	0.057
LARL-635	636.6	54x3.65	19x2.19	32.85	1562	475	177.5	0.490

TECHNICAL INFORMATION B-ACCORDING TO IEC 61089

Code Number	Cross Section mm ²	Stranding & Wire Diam No x mm		Overall Diameter mm	Unit Weight Kg/Km	Rated Strength KN	Electrical Resistance at 20°C ohm/km
		Al	Steel				
16	17.6	6x1.81	1x1.81	5.43	59.0	5.91	1.792
25	28	6x2.26	1x2.26	6.78	92.1	9.00	1.147
40	44.4	6x2.85	1x2.85	8.55	147.4	14.21	0.717
63	70.1	6x3.58	1x3.58	10.70	232.2	21.17	0.455
100	112	6x4.51	1x4.51	13.50	368.6	31.84	0.287
125	130	18x2.95	1x2.95	14.80	384.3	29.18	0.230
125	140	26x2.43	7x1.89	15.40	460.8	44.49	0.231
160	167	18x3.34	1x3.34	16.70	491.9	36.38	0.180
160	179	26x2.74	7x2.13	17.40	589.8	56.18	0.180
200	208	18x3.74	1x3.74	18.70	614.9	43.62	0.144
200	223	26x3.07	7x2.39	19.40	737.2	69.27	0.144
250	268	32x3.76	7x2.09	21.30	830.9	67.80	0.115

Code Number	Cross Section mm ²	Stranding & Wire Diam No x mm		Overall Diameter mm	Unit Weight Kg/Km	Rated Strength KN	Electrical Resistance at 20°C ohm/km
		Al	Steel				
250	279	26x3.43	7x2.67	21.70	921.5	86.58	0.115
315	331	45x2.96	7x1.97	23.70	996.4	78.33	0.092
315	352	26x3.75	7x2.99	24.40	1161.1	107.58	0.092
400	420	45x3.34	7x2.22	26.70	1265.3	97.50	0.072
400	437	54x3.02	7x3.02	27.20	1402.9	124.20	0.072
450	483	45x3.54	7x2.36	28.30	1423.4	107.48	0.064
450	493	54x3.21	7x3.21	28.90	1578.2	139.72	0.064
500	526	45x3.73	7x2.49	29.80	1581.6	119.42	0.058
500	547	54x3.78	7x3.38	30.40	1753.6	153.99	0.058
560	588	45x3.95	7x2.63	31.60	1771.4	133.75	0.052
560	612	54x3.58	19x2.15	32.20	1956.3	169.36	0.052
630	662	45x4.19	7x2.79	33.50	1992.8	150.47	0.046
630	688	54x3.79	19x2.28	34.20	2200.9	190.52	0.046
710	476	45x4.44	7x2.96	35.60	2245.8	169.57	0.041
710	775	54x4.03	19x2.42	36.30	2480.3	214.72	0.041
800	825	72x3.74	7x2.49	37.40	2412.8	167.67	0.036
800	849	84x3.45	7x3.45	37.90	2598.9	206.37	0.036
800	873	54x4.28	19x2.57	38.50	2794.7	241.94	0.036
900	929	72x3.97	7x2.65	39.70	2714.4	188.63	0.032
900	956	84x3.66	7x3.66	40.20	2923.8	224.82	0.032
1000	1032	72x4.18	7x2.79	41.80	3016.0	209.59	0.029
1120	1187	84x4.08	19x2.45	44.90	3628.4	282.88	0.026
1250	1325	84x4.31	19x2.59	47.40	4049.5	315.72	0.023

TECHNICAL INFORMATION C- ACCORDING TO STANDARD ASTM B549

Code Word	Cross Section mm ²	Stranding & Wire Diam No x mm		Overall Diameter mm	Unit Weight Kg/Km Total	Rated Strength KN	Electrical Resistance at 20°C ohm/km
		Al	AW				
SWAN	24.7	6x2.12	1x2.12	6.36	81	7.9	1.282
SWANATE	26.5	7x1.96	1x2.61	6.53	93	10.1	1.251
SPARROW	39.2	6x2.67	1x2.67	8.01	129	12.3	0.808
SPARATE	42.1	7x2.47	1x3.30	8.24	149	15.6	0.787
ROBIN	49.5	6x3.00	1x3.00	9.00	163	15.3	0.640
RAVEN	62.4	6x3.37	1x3.37	10.11	205	18.9	0.507
QUAIL	78.6	6x3.78	1x3.78	11.34	259	22.8	0.403
PIGEON	99.3	6x4.25	1x4.25	12.75	326	28.0	0.319
PENGUIN	125.1	6x4.77	1x4.77	14.31	411	34.2	0.253
WAXWING	142.5	18x3.09	1x3.09	15.45	421	30.3	0.210
PARTRIDGE	156.9	26x2.57	7x2.00	16.28	520	48.0	0.204

Code Word	Cross Section mm ²	Stranding & Wire Diam No x mm		Overall Diameter mm	Unit Weight Kg/Km Total	Rated Strength KN	Electrical Resistance at 20°C ohm/km
		AI	AW				
OSTRICH	176.9	26x2.73	7x2.12	17.28	584	54.0	0.180
MERLIN	179.7	18x3.47	1x3.47	17.35	532	38.0	0.166
LINNET	198.4	26x2.89	7x2.25	18.31	654	60.0	0.161
ORIOLE	210.3	30x2.69	7x2.69	18.83	736	74.5	0.158
CHICKADEE	212.1	18x3.77	1x3.77	18.85	628	43.5	0.141
BRANT	227.7	24x3.27	7x2.18	19.62	730	62.5	0.138
IBIS	234.1	26x3.14	7x2.44	19.88	773	70.2	0.136
LARK	247.8	30x2.92	7x2.92	20.44	869	87.3	0.134
PELICAN	255.8	18x4.14	1x4.14	20.70	754	51.0	0.117
FLICKER	273.0	24x3.58	7x2.39	21.49	876	74.3	0.115
HAWK	280.8	26x3.44	7x2.67	21.77	928	84.3	0.114
HEN	297.6	30x3.20	7x3.20	22.40	1043	104.0	0.112
OSPREY	298.2	18x4.47	1x4.47	22.35	879	58.9	0.100
PARAKEET	318.9	24x3.87	7x2.58	23.22	1022	85.7	0.098
DOVE	328.5	26x3.72	7x2.89	23.55	1084	97.5	0.097
EAGLE	347.9	30x3.46	7x3.46	24.22	1217	119.0	0.095
PEACOCK	345.9	24x4.03	7x2.69	24.19	1111	93.3	0.091
SQUAB	355.6	26x3.87	7x3.01	24.51	1178	105.0	0.090
WOOD DUCK	378.7	30x3.61	7x3.61	25.27	1323	126.0	0.088
TEAL	376.7	30x3.61	19x2.16	25.24	1313	126.6	0.088
KINGBIRD	341.0	18x4.78	1x4.78	23.90	1005	66.8	0.088
ROOK	365	24x4.14	7x2.76	24.84	1168	98.0	0.086
GROSBEAK	374.3	26x3.97	7x3.09	25.15	1238	110.0	0.085
SCOTER	397.8	30x3.70	7x3.70	25.90	1391	130.0	0.083
EGRET	396.1	30x3.70	19x2.22	25.90	1381	133.0	0.084
SWIFT	332.0	36x3.38	1x3.38	23.66	946	60.6	0.088
FLAMINGO	381.0	24x4.23	7x2.82	25.38	1224	103.0	0.082
GANNET	393.2	26x4.07	7x3.16	25.76	1298	116.0	0.081
STILT	410.1	24x4.39	7x2.92	26.32	1314	110.0	0.076
STARLING	421.1	26x4.21	7x3.28	26.68	1393	122.0	0.076
REDWING	444.5	30x3.92	19x2.35	27.43	1552	148.0	0.074
TERN	431.6	45x3.38	7x2.25	27.03	1298	95.4	0.070
CONDOR	454.5	54x3.08	7x3.08	27.72	1459	124.0	0.069
CUCKOO	454.5	24x4.62	7x3.08	27.74	1459	122.0	0.069
DRAKE	468	26x4.44	7x3.45	28.11	1549	136.0	0.068
COOT	413	36x3.77	1x3.77	26.41	1182	73.8	0.071
MALLARD	495.6	30x4.14	19x2.48	28.96	1726	165.0	0.067
RUDDY	487.2	45x3.59	7x2.40	28.73	1470	107.0	0.062
CANARY	515.4	54x3.28	7x3.28	29.52	1653	138.0	0.061

Code Word	Cross Section mm ²	Stranding & Wire Diam No x mm		Overall Diameter mm	Unit Weight Kg/Km Total	Rated Strength KN	Electrical Resistance at 20°C ohm/km
		AI	AW				
RAIL	517.4	45x3.70	7x2.47	29.61	1558	113.0	0.059
CATBIRD	498.1	36x4.14	1x4.14	28.95	1419	86.6	0.059
CARDINAL	547.3	54x3.38	7x3.38	30.42	1751	146.0	0.057
ORTLAN	560.2	45x3.85	7x2.57	30.81	1687	121.0	0.054
TANAGER	537.3	36x4.30	1x4.30	30.12	1537	93.7	0.055
CURLEW	593.6	54x3.52	7x3.52	31.68	1896	158.0	0.053
BLUEJAY	604.4	45x4.00	7x2.66	31.98	1819	121.0	0.050
FINCH	636.6	54x3.65	19x2.19	32.85	2043	167.0	0.049

TECHNICAL INFORMATION D- ACCORDING TO STANDARD ASTM B-549 / EN 50182

Code Word	Cross Section mm ²	Stranding & Wire Diam No x mm		Overall Diameter mm	Unit Weight Kg/Km Total	Rated Strength KN	Electrical Resistance at 20°C ohm/km
		AI	AW				
BUNTING	647.6	45x4.14	7x2.76	33.12	1948	139.0	0.047
CRACKLE	679.7	54x3.77	19x2.27	33.97	2187	179.0	0.046
BITTERN	689.1	45x4.27	7x2.85	34.17	2077	149.0	0.044
PHEASANT	726.8	54x3.90	19x2.34	35.10	2333	189.0	0.043
SKYLARK	664.0	36x4.78	1x4.78	33.42	1893	114.0	0.044
DIPPER	731.1	45x4.40	7x2.92	35.16	2207	158.0	0.041
MARTIN	772.1	54x4.02	19x2.41	36.17	2478	200.0	0.041
BOBOLINK	775.4	45x4.53	7x3.02	36.24	2337	167.0	0.039
PLOVER	818.7	54x4.14	19x2.48	37.24	2625	212.0	0.038
NUTHACH	817.0	45x4.65	7x3.10	37.2	2467	176.0	0.037
PARROT	863.1	54x4.25	19x2.55	38.25	2788	224.0	0.036
LAPWING	859.7	45x4.77	7x3.18	38.16	2598	186.0	0.035
FALCON	908.7	54x4.36	19x2.62	39.26	2917	236.0	0.035
CHUKAR	976.7	84x3.70	19x2.22	42.70	2995	220.0	0.031
BLUEBIRD	1181.6	84x4.07	19x2.44	44.76	3626	262.0	0.026
KIWI	1147.3	72x4.41	7x2.94	44.10	3367	219.0	0.026
THRASHER	1235.3	76x4.43	19x2.07	45.79	3678	246.0	0.024
GROUSE	54.8	8x2.54	1x4.24	9.32	205	21.7	0.635
PETREL	81.7	12x2.34	7x2.24	11.71	342	44.1	0.469
MINORCA	88.9	12x2.44	7x2.44	12.22	372	48.0	0.431
LEGHORN	108.0	12x2.69	7x2.69	13.46	452	57.8	0.354
GUINEA	127.6	12x2.92	7x2.92	14.63	534	68.0	0.300
DOTTEREL	141.7	12x3.08	7x3.08	15.42	594	75.4	0.270
DORKING	153.1	12x3.20	7x3.20	16.03	641	81.3	0.250
BRAHMA	194.8	16x2.86	19x2.48	18.14	894	120.0	0.216
COCHIN	169.6	12x3.37	7x3.37	16.84	709	88.0	0.226