



ALUMINUM ALLOY CONDUCTORS (TYPE- AL7) EN 50182

Code	Old Code	Sectional Area	Stranding		Conductor Diameter	Weight	Rated Strength	DC Resistance @ 20°C	Current Capacity	
			No. of Aluminium Wires	Individual wire diameter					@ 75°C	@ 85°C
			(mm ²)	(No.)					(mm)	(mm)
65-AL7	AL58 - 65	65.1	7	3.44	10.3	177.6	17.89	0.4662	183	221
93-AL7	AL58 - 93	92.9	7	4.11	12.3	253.5	23.68	0.3266	226	274
130-AL7	AL58 - 130	129.9	7	4.86	14.6	354.5	33.11	0.2336	275	336
167-AL7	AL58 - 167	167.5	19	3.35	16.8	459.8	46.05	0.1821	319	393
178-AL7	AL58 - 178	177.6	19	3.45	17.3	487.6	48.84	0.1717	330	407
210-AL7	AL58 - 210	209.8	19	3.75	18.8	576.1	55.61	0.1454	363	450
225-AL7	AL58 - 225	224.7	19	3.88	19.4	616.7	59.53	0.1358	378	468
263-AL7	AL58 - 263	263.2	19	4.20	21	722.7	67.12	0.1159	413	515
280-AL7	AL58 - 280	279.8	19	4.33	21.7	768.1	71.34	0.109	428	534
322-AL7	AL58 - 322	322.2	37	3.33	23.3	887.7	88.62	0.095	463	580
342-AL7	AL58 - 342	341.9	37	3.43	24	941.8	94.02	0.0895	479	601
444-AL7	AL58 - 444	444.3	37	3.91	27.4	1223.9	117.73	0.0689	554	703





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			(mm ²)	(No.)					(mm)	(mm)
484-AL7	AL58 - 454	454.5	61	3.08	27.7	1256.1	124.98	0.0676	560	711
594-AL7	AL58 - 594	593.6	61	3.52	31.7	1640.6	157.31	0.0517	648	831
685-AL7	AL58 - 685	684.5	61	3.78	34	1891.9	181.4	0.0449	699	901
865-AL7	AL58 - 865	865.4	61	4.25	38.3	2391.6	220.67	0.0355	789	1029
62-AL7	AlMgSi - 62	62.4	7	3.37	10.1	170.5	17.17	0.4858	179	215
99-AL7	AlMgSi - 99	99.3	7	4.25	12.8	271.1	25.32	0.3055	235	286
159-AL7	AlMgSi - 157	158.6	19	3.26	16.3	435.4	43.61	0.1923	309	380
241-AL7	AlMgSi - 241	241.2	19	4.02	20.1	662.1	61.49	0.1265	393	489
330-AL7	AlMgSi - 329	330	37	3.37	23.6	909.2	90.76	0.0927	470	589
454-AL7	AlMgSi - 454	454.5	61	3.08	27.7	1256.1	124.98	0.0676	560	711
594-AL7	AlMgSi - 593	593.6	61	3.52	31.7	1640.6	157.31	0.0517	648	831
774-AL7	AlMgSi - 774	774.2	61	4.02	36.2	2139.8	197.43	0.0397	745	967
911-AL7	AlMgSi - 910	910.7	61	4.36	39.2	2517.0	232.24	0.0337	810	1059

