



CATALOGUE

ALUMINUM ALLOY CONDUCTORS (TYPE- AL57) SS 42408 12

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)	(Kg/Km)	KN	(Ω/Km)	(Ampere)	(Ampere)
31	31.14	17.9	7	2.38	7.14	85.0	9.31	0.974	118	140
62	62.44	35.88	7	3.37	10.11	170.0	17.2	0.486	178	214
99	99.3	57.07	7	4.25	12.75	271.0	25.3	0.305	234	285
157	158.59	91.14	19	3.26	16.3	436.0	43.7	0.193	307	377
241	241.16	138.59	19	4.02	20.1	663.0	61.6	0.127	391	485
329	330.03	189.67	37	3.37	23.6	910.0	90.7	0.0928	467	586
454	454.49	261.2	61	3.08	27.72	1260.0	125.16	0.0675	558	708
593	593.62	341.15	61	3.52	31.68	1640.0	157	0.0517	645	827
774	774.24	444.96	61	4.02	36.18	2140.0	197	0.0396	743	963
910	910.74	523.4	61	4.36	39.2	2520.0	232	0.0337	806	1054

ALUMINUM ALLOY CONDUCTORS (TYPE- AL59) SS 42408 14										
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)	(Kg/Km)	KN	(Ω/Km)	(Ampere)	(Ampere)
31	31.14	18.48	7	2.38	7.14	85.0	7.77	0.943	120	142
62	62.44	37.06	7	3.37	10.11	170.0	15.6	0.47	181	218
99	99.3	58.93	7	4.25	12.75	271.0	22.8	0.296	238	289
157	158.59	94.12	19	3.26	16.3	436.0	39.7	0.186	313	384
241	241.16	143.13	19	4.02	20.1	663.0	55.5	0.123	397	493
329	330.03	195.87	37	3.37	23.6	910.0	82.5	0.0899	475	595
454	454.49	269.74	61	3.08	27.72	1260.0	113	0.0654	567	719
593	593.62	352.31	61	3.52	31.68	1640.0	143	0.0501	655	840
774	774.24	459.51	61	4.02	36.18	2140.0	178	0.0384	754	977
910	910.74	540.52	61	4.36	39.2	2520.0	209	0.0326	819	1070