



S.M.C

Aluminum Conductors Steel Reinforced (ACSR)

Conductors For Overhead Lines

Aluminum Conductor

Steel Reinforced (ACSR)



Conductor area		No. and nominal diameter of wires		Approx. overall diameter	Calculated DC resistance at 20 °C (Max.)	Approx. weight of conductor		Breaking Load	Stranded packing length	Drum size	Approx. Gross weight
Total	Aluminum	Aluminum	Steel			Aluminum	Total				
Sqm		No./mm		mm	Ohm/Km	Kg/Km		KN	Meter ±5%		KG
318.58	282.00	24/3.87	7/2.58	23.22	0.1028	781	1067	88.2	2000	D-18	2370
327.94	282.00	26/3.72	7/2.89	23.55	0.1028	781	1140	101.1	2000	D-18	2520
347.81	282.00	30/3.46	7/3.46	24.21	0.1030	783	1298	123.6	2000	D-18	2840
346.32	306.58	24/4.03	7/2.69	24.20	0.09449	850	1160	95.8	2000	D-18	2560
356.52	306.58	26/3.87	7/3.01	24.51	0.09449	850	1240	106.9	2000	D-18	2720
378.13	306.58	30/3.61	7/3.61	25.25	0.09473	851	1411	128.5	2000	D-19	3140
376.45	306.58	30/3.61	19/2.16	25.24	0.09475	851	1397	133.4	2000	D-19	3110
364.07	322.26	24/4.14	7/2.76	24.84	0.08989	983	1219	101.0	2000	D-18	2680
374.78	322.26	26/3.97	7/3.09	25.15	0.08989	893	1302	111.8	2000	D-19	2920
397.48	322.26	30/3.70	7/3.70	25.88	0.09011	895	1483	135.4	2000	D-19	3290
395.74	322.26	30/3.70	19/2.22	25.90	0.09012	894	1470	140.3	2000	D-19	3260
381.55	337.74	24/4.23	7/2.82	25.40	0.08576	936	1278	105.9	2000	D-19	2880



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392.84	337.81	26/4.07	7/3.16	28.30	0.08576	936	1365	117.7	2000	D-21	3150
409.55	362.58	54/2.92	7/2.92	26.28	0.07992	1005	1371	115.8	2000	D-19	3060
409.61	362.64	24/4.39	7/2.92	26.31	0.07989	1005	1372	113.8	2000	D-19	3060
421.61	362.58	26/4.21	7/3.28	26.68	0.07992	1005	1466	126.5	2000	D-19	3250
445.22	362.58	30/3.92	19/2.35	27.43	0.08009	1006	1653	154.0	2000	D-19	3630
430.71	402.84	45/3.38	7/2.25	27.03	0.07192	1116	1333	98.3	2000	D-19	2990
455.03	402.84	54/3.08	7/3.08	27.72	0.07192	1116	1524	125.6	2000	D-19	3370
494.71	402.84	30/4.14	19/2.48	28.96	0.07208	1119	1838	170.7	2000	D-21	4100
500.58	443.10	54/3.23	7/3.23	29.07	0.06539	1228	1676	138.3	2000	D-21	3770
487.35	544.81	45/3.59	7/2.40	28.73	0.06356	1263	1509	108.9	2000	D-21	3440
515.16	456.05	54/3.70	7/3.28	29.52	0.06352	1263	1724	142.2	2000	D-21	3870
516.84	483.42	45/3.70	7/2.47	29.61	0.05994	1339	1599	115.8	2000	D-21	3620
546.07	483.42	54/3.38	7/3.38	30.42	0.5994	1339	1829	150.1	2000	D-22	4130

Conductors conform to ASTM B232 – 82 & CSA C49-1975