

Aluminum Clad Steel Wire
ASTM B416, Specification for Concentric-Lay-Stranded Aluminum-Clad Steel Conductors

Code Number	Area	No. of wires	Diameters		Weight kg/km	Rated Strength kN	DC Resistance ohm/km
	mm ²		wire	conductor			
3 No 5 Awg.	50.32	3	4.62	9.96	334.1	54.42	1.699
3 No 6 Awg.	39.00	3	4.11	8.87	265	45.74	2.142
3 No 7 Awg.	31.65	3	3.67	7.9	210.1	38.36	2.701
3 No 8 Awg.	25.1	3	3.26	7.03	166.7	32.06	3.406
3 No 9 Awg.	19.9	3	2.91	6.26	132.2	25.43	4.294
3 No 10 Awg.	15.78	3	2.59	5.58	104.8	20.16	5.415
7 No 5 Awg.	117.4	7	4.62	13.9	781.1	120.27	0.7426
7 No 6 Awg.	93.1	7	4.11	12.4	619.5	101.14	0.9198
7 No 7 Awg.	73.87	7	3.67	11	491.1	84.81	1.16
7 No 8 Awg.	58.56	7	3.26	9.78	389.6	70.88	1.463
7 No 9 Awg.	46.44	7	2.91	8.71	308.9	56.2	1.844
7 No 10 Awg.	36.83	7	2.59	7.76	245.1	44.58	2.325
7 No 11 Awg.	29.21	7	2.3	6.91	194.4	35.35	2.932
7 No 12 Awg.	23.16	7	2.05	6.16	154.2	28.03	3.697
19 No 5 Awg.	318.7	19	4.62	23.1	2129	326.39	0.2698
19 No 6 Awg.	252.7	19	4.11	20.6	1688	274.55	0.3402
19 No 7 Awg.	200.4	19	3.67	18.3	1339	230.18	0.429
19 No 8 Awg.	158.9	19	3.26	16.3	1062	192.41	0.5409
19 No 9 Awg.	126.1	19	2.91	14.5	842	152.58	0.6821
19 No 10 Awg.	99.96	19	2.59	12.9	667.7	121	0.8601
37 No 5 Awg.	620.6	37	4.62	32.3	4170	635.43	0.1394
37 No 6 Awg.	492.2	37	4.11	28.8	3307	534.85	0.1757
37 No 7 Awg.	390.3	37	3.67	25.7	2623	448.09	0.2216
37 No 8 Awg.	309.5	37	3.26	22.9	2080	374.67	0.2794
37 No 9 Awg.	245.5	37	2.91	20.3	1649	279.11	0.3523
37 No 10 Awg.	194.7	37	2.59	17.9	1308	235.61	0.4443