



# HENAN TONG-DA CABLE CO., LTD

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## ACS / Alumoweld

### ALUMINUM CLAD STEEL STRAND

### ASTM B416

Code Number	Area	No. of wires	Diameters (mm)		Weight kg/km	Rated Strength kN	DC Resistance ohm/km
	mm <sup>2</sup>		wire	conductor			
3 No 5 Awg.	50,32	3	4,62	9,96	334,1	54,42	1.6990
3 No 6 Awg.	39,00	3	4,11	8,87	265,0	45,74	2.1420
3 No 7 Awg.	31,65	3	3,67	7,90	210,1	38,36	2.7010
3 No 8 Awg.	25,10	3	3,26	7,03	166,7	32,06	3.4060
3 No 9 Awg.	19,90	3	2,91	6,26	132,2	25,43	4.2940
3 No 10 Awg.	15,78	3	2,59	5,58	104,8	20,16	5.4150
7 No 5 Awg.	117,40	7	4,62	13,90	781,1	120,27	0,7426
7 No 6 Awg.	93,10	7	4,11	12,40	619,5	101,14	0,9198
7 No 7 Awg.	73,87	7	3,67	11,00	491,1	84,81	1.1600
7 No 8 Awg.	58,56	7	3,26	9,78	389,6	70,88	1.4630
7 No 9 Awg.	46,44	7	2,91	8,71	308,9	56,20	1.8440
7 No 10 Awg.	36,83	7	2,59	7,76	245,1	44,58	2.3250
7 No 11 Awg.	29,21	7	2,30	6,91	194,4	35,35	2.9320
7 No 12 Awg.	23,16	7	2,05	6,16	154,2	28,03	3.6970
19 No 5 Awg.	318,70	19	4,62	23,10	2129,0	326,39	0,2698
19 No 6 Awg.	252,70	19	4,11	20,60	1688,0	274,55	0,3402
19 No 7 Awg.	200,40	19	3,67	18,30	1339,0	230,18	0,4290
19 No 8 Awg.	158,90	19	3,26	16,30	1062,0	192,41	0,5409
19 No 9 Awg.	126,10	19	2,91	14,50	842,0	152,58	0,6821
19 No 10 Awg.	99,96	19	2,59	12,90	667,7	121,00	0,8601
37 No 5 Awg.	620,60	37	4,62	32,30	4170,0	635,43	0,1394
37 No 6 Awg.	492,20	37	4,11	28,80	3307,0	534,85	0,1757
37 No 7 Awg.	390,30	37	3,67	25,70	2623,0	448,09	0,2216
37 No 8 Awg.	309,50	37	3,26	22,90	2080,0	374,67	0,2794
37 No 9 Awg.	245,50	37	2,91	20,30	1649,0	279,11	0,3523
37 No 10 Awg.	194,70	37	2,59	17,90	1308,0	235,61	0,4443

### ALUMINUM CLAD STEEL STRAND

### DIN 48201

Code Number	Area	No. of wires	Diameters (mm)		Weight kg/km	Rated Strength kN	DC Resistance ohm/km
	mm <sup>2</sup>		wire	conductor			
25	24.25	7	2.1	6.3	162	31.56	3.546
35	34.36	7	2.5	7.5	229	44.72	2.499
50	49.48	7	3	9	330	64.4	1.736
70	65.81	19	2.1	10.5	441	85.65	1.313
95	93.27	19	2.5	12.5	626	121.39	0.925
120	116.99	19	2.8	14	785	152.26	0.737
150	147.11	37	2.25	15.7	990	191.46	0.587
185	181.62	37	2.5	17.5	1221	236.38	0.476
240	242.54	61	2.25	20.2	1635	299.05	0.357
300	299.43	61	2.5	22.5	2017	369.2	0.289