

AS Wire

Aluminium Clad Steel Wire

Standard Specification : ASTM B 416 : 2013, ASTM B 415 : 2013

Grade 20.3 % IACS



Aluminium Clad Steel

Technical Properties

Size	Number / Dia. of Wire	Calculated Cross Sect. Area	Approx. Overall Diameter	Approx. Weight	Calculated Breaking Load	DC Resistance at 20° C Max.	Standard Length per Reel
mm ²	No. / mm	mm ²	mm	kg/km	kN	Ohm/km	m
16	3 / 2.59	15.8	5.58	105	20.16	5.4169	2,000
20	3 / 2.91	20.0	6.27	133	25.42	4.2948	2,000
25	3 / 3.26	25.0	7.03	166	32.05	3.4057	2,000
32	3 / 3.67	31.7	7.91	211	38.35	2.7009	2,000
40	3 / 4.11	39.8	8.86	264	45.73	2.1418	2,000
50	3 / 4.62	50.3	9.96	334	54.40	1.6986	2,000
23	7 / 2.05	23.1	6.15	154	28.03	3.6977	2,000
29	7 / 2.30	29.1	6.90	194	35.34	2.9326	2,000
37	7 / 2.59	36.9	7.77	245	44.57	2.3256	2,000
47	7 / 2.91	46.6	8.73	310	56.18	1.8443	2,000
58	7 / 3.26	58.4	9.78	389	70.86	1.4627	2,000
74	7 / 3.67	74.0	11.01	493	84.78	1.1598	2,000
93	7 / 4.11	92.9	12.33	618	101.11	0.9197	2,000
117	7 / 4.62	117.3	13.86	781	120.24	0.7428	2,000
100	19 / 2.59	100.1	12.95	669	120.95	0.8603	2,000
126	19 / 2.91	126.4	14.55	844	152.53	0.6821	2,000
159	19 / 3.26	158.6	16.30	1,060	192.34	0.5410	2,000
201	19 / 3.67	201.0	18.35	1,343	230.11	0.4292	2,000
252	19 / 4.11	252.1	20.55	1,684	274.46	0.3402	2,000
319	19 / 4.62	318.5	23.10	2,128	326.28	0.2698	2,000
195	37 / 2.59	194.9	18.13	1,310	235.53	0.4442	2,000
246	37 / 2.91	246.1	20.37	1,654	297.01	0.3524	2,000
309	37 / 3.26	308.8	22.82	2,076	374.54	0.2794	2,000
391	37 / 3.67	391.4	25.69	2,631	447.94	0.2216	1,000
491	37 / 4.11	490.9	28.77	3,300	534.68	0.1757	1,000
620	37 / 4.62	620.3	32.34	4,169	635.21	0.1393	1,000