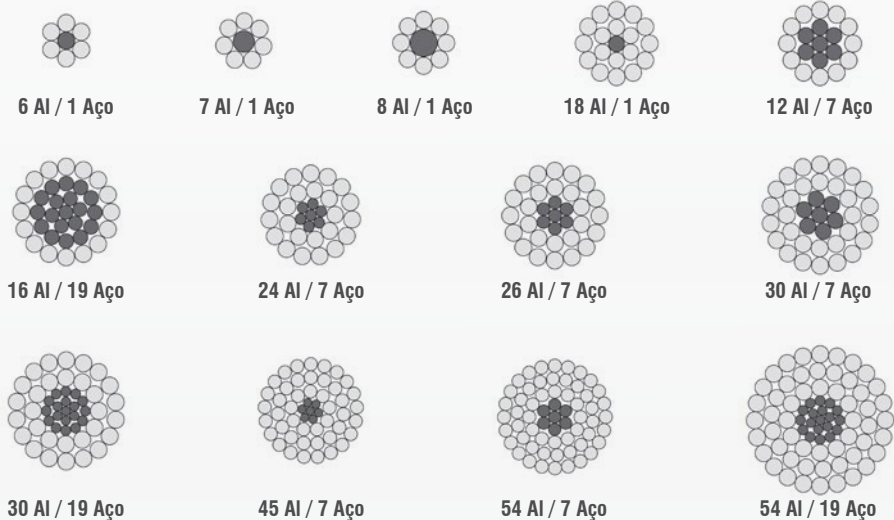


CONDUTORES DE ALUMÍNIO COM ALMA DE AÇO REVESTIDO DE ALUMÍNIO

ICAL-CAA/RA

Indicados para a transmissão de energia em linhas aéreas urbanas e rurais, o cabo de alumínio CAA/RA é um condutor de alumínio liga 1350 (têmpera H19) encordoado (classe 2), concêntrico com alma de aço revestido de alumínio - **ALUMOSTEEL**, o que garante maior desempenho mecânico se comparado aos cabos de alumínio nu e maior resistência à corrosão se comparados à cabos com alma de aço zincado.

Formações:



Normas:

ABNT NBR-10841: Cabos de alumínio reforçados por fios de aço revestidos de alumínio para linhas aéreas - Especificação.

LINHA EXTRA-FORTE

Código INTELLI	AWG / MCM	Área			Formação		Diâmetro nominal do cabo (mm)	Massa Nominal			RMC (kN)	Resistência elétrica CC a 20°C (Ω/km)
		Al (mm ²)	Aço (mm ²)	Total (mm ²)	Al (fios/Ømm)	Aço (fios/Ømm)		Al (kg/km)	Aço (kg/km)	Total (kg/km)		
ICAL-80,0-CAA/RA-Grouse	80	40,540	14,120	54,660	8 / 2,54	1 / 4,24	9,32	112	93	205	21,72	0,6358
ICAL-101,8-CAA/RA-Petrel	101,8	51,610	30,100	81,710	12 / 2,34	7 / 2,34	11,70	143	199	342	44,06	0,4684
ICAL-110,8-CAA/RA-Minorca	110,8	56,110	32,730	88,840	12 / 2,44	7 / 2,44	12,20	156	217	372	47,91	0,4308
ICAL-134,6-CAA/RA-Leghorn	134,6	68,200	39,780	107,980	12 / 2,69	7 / 2,69	13,45	189	263	452	57,78	0,3544
ICAL-159,0-CAA/RA-Guinea	159	80,360	46,880	127,240	12 / 2,92	7 / 2,92	14,60	223	310	533	67,85	0,3008
ICAL-176,9-CAA/RA-Dotterel	176,9	89,410	52,150	141,560	12 / 3,08	7 / 3,08	15,40	248	345	593	75,14	0,2704
ICAL-190,8-CAA/RA-Dorking	190,8	96,510	56,300	152,810	12 / 3,20	7 / 3,20	16,00	267	373	640	81,12	0,2505
ICAL-203,2-CAA/RA-Brahma	203,2	102,960	91,780	194,740	16 / 2,86	19 / 2,48	18,12	285	609	893	120,3	0,2163
ICAL-211,3-CAA/RA-Cochin	211,3	107,060	62,440	169,500	12 / 3,37	7 / 3,37	16,85	297	413	710	87,93	0,2258

Código INTELLI	AWG / MCM	Área			Formação		Diâmetro nominal do cabo (mm)	Massa Nominal			RMC (kN)	Resistência elétrica CC a 20°C (Ω/km)
		Al (mm²)	Aço (mm²)	Total (mm²)	Al (fios/Ømm)	Aço (fios/Ømm)		Al (kg/km)	Aço (kg/km)	Total (kg/km)		
ICAL-4-CAA/RA-Swan	4	21,180	3,530	24,710	6 x 2,12	1 x 2,12	6,36	58	23	81	7,95	1,2822
ICAL-2-CAA/RA-Sparrow	2	33,590	5,600	39,190	6 x 2,67	1 x 2,67	8,01	92	37	129	12,26	0,8085
ICAL-1-CAA/RA-Robin	1	42,410	7,070	49,480	6 x 3,00	1 x 3,00	9,00	116	47	163	15,35	0,6403
ICAL-1/0-CAA/RA-Raven	1/0	53,520	8,920	62,440	6 x 3,37	1 x 3,37	10,11	147	59	206	18,87	0,5074
ICAL-2/0-CAA/RA-Quail	2/0	67,330	11,220	78,550	6 x 3,78	1 x 3,78	11,34	185	74	259	22,80	0,4033
ICAL-3/0-CAA/RA-Pigeon	3/0	85,120	14,190	99,310	6 x 4,25	1 x 4,25	12,75	234	94	327	28,03	0,3199
ICAL-4/0-CAA/RA-Penguin	4/0	107,220	17,870	125,090	6 x 4,77	1 x 4,77	14,31	294	118	412	34,14	0,2533
ICAL-266,8-CAA/RA-Waxwing	266,8	134,980	7,500	142,480	18 x 3,09	1 x 3,09	15,45	372	49	422	30,27	0,2096
ICAL-266,8-CAA/RA-Partridge	266,8	134,870	21,990	156,860	26 x 2,57	7 x 2,00	16,28	374	146	519	47,91	0,2035
ICAL-300,0-CAA/RA-Ostrich	300,0	152,190	24,710	176,900	26 x 2,73	7 x 2,12	17,28	422	164	585	53,94	0,1804
ICAL-336,4-CAA/RA-Merlin	336,4	170,220	9,460	179,680	18 x 3,47	1 x 3,47	17,45	469	62	532	37,87	0,1662
ICAL-336,4-CAA/RA-Linnet	336,4	170,550	27,830	198,380	26 x 2,89	7 x 2,25	18,31	473	184	666	60,14	0,1609
ICAL-336,4-CAA/RA-Oriole	336,4	170,500	39,780	210,280	30 x 2,69	7 x 2,69	18,83	474	263	737	74,44	0,1578
ICAL-397,5-CAA/RA-Chickadee	397,5	200,900	11,200	212,100	18 x 3,77	1 x 3,77	18,85	554	74	627	43,40	0,1408
ICAL-397,5-CAA/RA-Brant	397,5	201,600	26,100	227,700	24 x 3,27	7 x 2,18	19,61	558	173	731	62,49	0,1377
ICAL-397,5-CAA/RA-Iblis	397,5	201,340	32,730	234,070	26 x 3,14	7 x 2,44	19,88	558	217	774	70,10	0,1363
ICAL-397,5-CAA/RA-Lark	397,5	200,900	46,880	247,780	30 x 2,92	7 x 2,92	20,44	558	310	868	87,16	0,1339
ICAL-477,0-CAA/RA-Pelican	477	242,300	13,500	255,800	18 x 4,14	1 x 4,14	20,70	668	89	757	50,98	0,1168
ICAL-477,0-CAA/RA-Flicker	477	241,600	31,400	273,000	24 x 3,58	7 x 2,39	21,49	669	208	877	74,32	0,1148
ICAL-477,0-CAA/RA-Hawk	477	241,650	39,490	281,140	26 x 3,44	7 x 2,68	21,80	670	261	931	84,37	0,1136
ICAL-477,0-CAA/RA-Hen	477	241,270	56,300	297,570	30 x 3,20	7 x 3,20	22,40	670	373	1043	103,80	0,1115
ICAL-556,5-CAA/RA-Osprey	556,5	282,500	15,700	298,200	18 x 4,47	1 x 4,47	22,35	779	103	882	58,92	0,1002
ICAL-556,5-CAA/RA-Parakeet	556,5	282,300	36,600	318,900	24 x 3,87	7 x 2,58	23,22	782	242	1024	85,69	0,0983
ICAL-556,5-CAA/RA-Dove	556,5	282,590	45,920	328,510	26 x 3,72	7 x 2,89	23,55	783	304	1087	97,58	0,0971
ICAL-556,5-CAA/RA-Eagle	556,5	282,100	65,800	347,900	30 x 3,46	7 x 3,46	24,21	783	436	1219	119,20	0,0954
ICAL-605,0-CAA/RA-Peacock	605	306,100	39,800	345,900	24 x 4,03	7 x 2,69	24,21	848	263	1111	93,03	0,0906
ICAL-605,0-CAA/RA-Squab	605	305,800	49,800	355,600	26 x 3,87	7 x 3,01	24,54	847	330	1177	104,60	0,0898
ICAL-605,0-CAA/RA-Wood Duck	605	307,060	71,650	378,710	30 x 3,61	7 x 3,61	25,25	583	474	1326	126,50	0,0876
ICAL-605,0-CAA/RA-Teal	605	306,060	69,620	375,680	30 x 3,61	19 x 2,16	25,25	853	462	1314	126,40	0,0878
ICAL-636,0-CAA/RA-Kingbird	636	323,000	17,900	340,900	18 x 4,78	1 x 4,78	23,90	891	118	1009	66,80	0,0876
ICAL-636,0-CAA/RA-Rook	636	323,100	41,900	365,000	24 x 4,14	7 x 2,76	24,82	895	277	1172	98,06	0,0859
ICAL-636,0-CAA/RA-Grosbeak	636	321,840	52,490	374,330	26 x 3,97	7 x 3,09	25,15	892	347	1239	110,20	0,0853
ICAL-636,0-CAA/RA-Scoter	636	322,220	75,260	397,480	30 x 3,70	7 x 3,70	25,88	896	498	1394	130,40	0,0834
ICAL-636,0-CAA/RA-Egret	636	322,220	73,540	395,760	30 x 3,70	19 x 2,22	25,88	896	488	1383	133,20	0,0835
ICAL-636,0-CAA/RA-Swift	636	323,000	8,970	331,970	36 x 3,38	1 x 3,38	23,62	891	57	948	61,00	0,0815
ICAL-666,6-CAA/RA-Flamingo	666,6	337,270	43,720	380,990	24 x 4,23	7 x 2,82	25,38	934	289	1224	102,40	0,0823
ICAL-666,6-CAA/RA-Gannet	666,6	338,260	54,900	393,160	26 x 4,07	7 x 3,16	25,76	937	363	1300	115,50	0,0812
ICAL-715,5-CAA/RA-Stilt	715,5	363,270	46,880	410,150	24 x 4,39	7 x 2,92	26,31	1007	310	1317	110,00	0,0764
ICAL-715,5-CAA/RA-Starling	715,5	361,930	59,150	421,080	26 x 4,21	7 x 3,28	26,68	1003	391	1394	122,10	0,0758
ICAL-715,5-CAA/RA-Redwing	715,5	362,060	82,410	444,470	30 x 3,92	19 x 2,35	27,43	1006	546	1551	148,00	0,0744
ICAL-795,0-CAA/RA-Tern	795	403,770	27,830	431,600	45 x 3,38	7 x 2,25	27,03	1119	184	1303	95,42	0,0701
ICAL-795,0-CAA/RA-Condor	795	402,330	52,150	454,480	54 x 3,08	7 x 3,08	27,74	1115	345	1460	123,40	0,0699
ICAL-795,0-CAA/RA-Cuckoo	795	402,300	52,200	454,500	24 x 4,62	7 x 3,08	27,74	1115	345	1460	122,10	0,0699
ICAL-795,0-CAA/RA-Drake	795	402,840	65,510	468,350	26 x 4,44	7 x 3,45	28,14	1115	433	1548	135,40	0,0662
ICAL-795,0-CAA/RA-Coot	795	401,900	11,200	413,100	36 x 3,77	1 x 3,77	26,42	1108	74	1182	74,00	0,0684
ICAL-795,0-CAA/RA-Mallard	795	403,840	91,780	495,620	30 x 4,14	19 x 2,48	28,96	1122	609	1730	164,90	0,0667
ICAL-900,0-CAA/RA-Ruddy	900	455,500	31,670	487,170	45 x 3,59	7 x 2,40	28,74	1262	210	1472	106,70	0,0621
ICAL-900,0-CAA/RA-Canary	900	456,060	59,100	515,160	54 x 3,28	7 x 3,28	29,51	1264	391	1656	138,00	0,0608
ICAL-954,0-CAA/RA-Rail	954	483,840	33,540	517,380	45 x 3,70	7 x 2,47	29,61	1341	222	1563	113,20	0,0585
ICAL-954,0-CAA/RA-Cardinal	954	484,530	62,810	547,340	54 x 3,38	7 x 3,38	30,42	1342	416	1758	146,50	0,0573
ICAL-1033,5-CAA/RA-Ortolan	1033,5	523,900	36,310	560,210	45 x 3,85	7 x 2,57	30,78	1451	240	1692	120,70	0,0544
ICAL-1033,5-CAA/RA-Curlew	1033,5	522,510	67,730	590,240	54 x 3,51	7 x 3,51	31,59	1448	448	1896	155,70	0,0531
ICAL-1113,0-CAA/RA-Bluejay	1113	565,490	38,900	604,390	45 x 4,00	7 x 2,66	31,98	1567	257	1824	130,00	0,0501
ICAL-1113,0-CAA/RA-Finch	1113	565,030	71,570	636,600	54 x 3,65	19 x 2,19	32,84	1569	475	2044	167,20	0,0493
ICAL-1192,5-CAA/RA-Bunting	1192,5	605,760	41,880	647,640	45 x 4,14	7 x 2,76	33,07	1678	277	1955	139,40	0,0467
ICAL-1192,5-CAA/RA-Grackle	1192,5	602,790	76,890	679,680	54 x 3,77	19 x 2,27	33,99	1674	510	2184	178,90	0,0462
ICAL-1272,0-CAA/RA-Bittern	1272	644,400	44,660	689,060	45 x 4,27	7 x 2,85	34,17	1786	296	2081	148,50	0,0439
ICAL-1272,0-CAA/RA-Pheasant	1272	645,080	81,650	726,730	54 x 3,90	19 x 2,34	35,10	1792	542	2333	188,50	0,0432
ICAL-1351,5-CAA/RA-Dipper	1351,5	684,240	47,200	731,440	45 x 4,40	7 x 2,93	35,20	1896	312	2208	157,40	0,0414
ICAL-1351,5-CAA/RA-Martin	1351,5	685,390	86,670	772,060	54 x 4,02	19 x 2,41	36,17	1904	575	2478	200,10	0,0406
ICAL-1431,0-CAA/RA-Bobolink	1431	725,270	50,140	775,410	45 x 4,53	7 x 3,02	36,24	2010	332	2341	167,00	0,0399
ICAL-1431,0-CAA/RA-Plover	1431	726,920	91,780	818,700	54 x 4,14	19 x 2,48	37,21	2019	609	2627	212,10	0,0383
ICAL-1510,5-CAA/RA-Nuthatch	1510,5	764,200	52,900	817,100	45 x 4,65	7 x 3,10	37,24	2117	350	2467	175,90	0,0377
ICAL-1510,5-CAA/RA-Parrot	1510,5	766,060	97,030	863,090	54 x 4,25	19 x 2,55	38,23	2128	643	2771	223,90	0,0363
ICAL-1590,0-CAA/RA-Lapwing	1590	807,530	55,600	863,130	45 x 4,78	7 x 3,18	38,22	2238	368	2606	185,60	0,0351
ICAL-1590,0-CAA/RA-Falcon	1590	806,230	102,430	908,660	54 x 4,36	19 x 2,62	39,26	2229	679	2918	235,90	0,0345