

# 全鋁電纜規格(AAC)

## AAC-ALL ALUMINUM STRANDED CONDUCTORS-BARE

基本規格如下：

BS 215 Part 1

代字 Code Name	導體截面積 Cross Sectional Area			組成 Number and Diameter of Wires	完成外徑 Approx. Overall Diameter	最大直流電阻 Max. D.C. Resistance at 20°C	最小 拉斷力 Breaking Load	概算重量 Approx. Weight	包裝 Standard Package		
	公稱 Nominal	計算值 Calculated	等效銅線 截面積 Nominal Equivalent Copper Area						標準長度 Length	標準重量 Nominal Weight	木軸尺寸 Reel Size
	mm <sup>2</sup>	mm <sup>2</sup>	mm <sup>2</sup>						No./mm	mm	Ω/km
Midge	22	23.33	14	7/2.06	6.18	1.227	407	63.88	6,900	441	40-20
Ant	50	52.83	32	7/3.10	9.30	0.5419	845	144.7	3,050	441	40-20
Fly	60	63.55	38	7/3.40	10.20	0.4505	1,010	174.0	2,500	435	40-20
Wasp	100	106.0	65	7/4.39	13.17	0.2702	1,633	290.1	1,500	435	40-20
Hornet	150	157.6	96	19/3.25	16.25	0.1825	2,520	433.7	3,850	1,670	60-32
Chafer	200	213.2	128	19/3.78	18.90	0.1349	3,306	586.6	2,850	1,672	60-32
Cockroach	250	265.7	160	19/4.22	21.10	0.1083	4,120	731.2	2,300	682	60-32
Butterfly	300	322.7	193	19/4.65	23.25	0.0892	4,972	887.8	1,850	642	60-32
Centipede	400	415.2	258	37/3.78	26.46	0.0694	6,438	1,145	1,450	1,660	60-32

JIS C 3109

導體截面積 Cross Sectional Area			組成 Number and Diameter of Wires	完成外徑 Approx. Overall Diameter	最大直流電阻 Max. D.C. Resistance at 20°C	最小拉斷力 Breaking Load	概算重量 Approx. Weigh	包裝 Standard Package		
公稱 Nominal	計算值 Calculated	等效銅截面積 Nominal Equivalent Copper Area						標準長度 Length	標準產量 Nominal Weight	標準尺寸 Reel Size
mm <sup>2</sup>	mm <sup>2</sup>	mm <sup>2</sup>						No./mm	mm	Ω/km
30	29.08	18	7/2.3	6.9	0.984	469	79.47	5,550	441	40-20
38	37.17	23	7/2.6	7.8	0.770	575	101.5	4,350	442	40-20
55	56.30	35	7/3.2	9.6	0.508	836	153.8	2,850	438	40-20
95	96.98	60	7/4.2	12.6	0.295	1414	265.0	1,650	437	40-20
150	152.8	96	19/3.2	16.0	0.188	2,269	418.8	3,950	1,654	60-32
200	204.3	128	19/3.7	18.5	0.140	3,034	559.9	2,950	1,652	60-32
240	238.8	150	19/4.0	20.0	0.120	3,481	654.3	2,550	1,669	60-32
300	297.6	187	37/3.2	22.4	0.0970	4,419	820.3	2,000	1,641	60-32
400	397.8	250	19/3.7	25.9	0.0725	5,908	1,097	1,500	1,645	60-32
510	512.6	322	37/4.2	29.4	0.0563	7,474	1,413	1,900	2,685	68-38
660	655.9	412	61/3.7	33.3	0.0441	9,740	1,812	1,800	3,261	76-38
850	845.1	531	61/4.2	37.8	0.0342	12,322	2,334	1,400	3,268	76-38
980	978.4	615	91/3.7	40.7	0.0297	14,530	2,716	1,200	3,259	76-38
1,260	1,261	792	91/4.2	46.2	0.0230	18,382	3,499	900	3,149	76-38

ASTM B231

代字 Code Name	導體截面積 Cross Sectional Area			組成 Number and Diameter of Wires	外徑 Approx. Overall Diameter	最大直 流電阻 Max. D.C. Resistance at 20°C	最小 拉斷力 Breaking Load	概算 重量 Approx. Weigh	包裝 Standard Package		
	公稱	計算值	等效銅線 截面積 Nominal Equivalent Copper Area						標準長度 Length	標準重量 Nominal Weight	木軸尺寸 Reel Size
	Nominal	Calculated	AWG,MCM.								
	AWG,MCM.	mm <sup>2</sup>	AWG,MCM.	No./mm	mm	Ω/km	kg	kg/km	m	kg	in.-in
Peachbell	6	13.28	8	7/1.554	4.66	2.171	255	36.6	12,160	445	40-20
Rose	4	21.14	6	7/1.961	5.88	1.364	400	58.3	7,630	445	40-20
Lily	3	26.66	5	7/2.202	6.61	1.082	495	73.6	6,050	445	40-20
Iris	2	33.65	4	7/2.474	7.42	0.8568	613	92.8	4,800	446	40-20
Pansy	1	42.37	3	7/2.776	8.33	0.6805	743	116.9	3,810	445	40-20
Poppy	1/0	53.48	2	7/3.119	9.36	0.5391	902	147.6	3,000	443	40-20
Aster	2/0	67.46	1	7/3.503	10.51	0.4273	1,138	186.1	2,350	437	40-20
Phlox	3/0	85.00	1/0	7/3.932	11.80	0.3392	1,377	234.5	1,900	446	40-20
Oxlip	4/0	107.3	2/0	7/4.417	13.25	0.2688	1,738	295.9	1,500	444	40-20
Daisy	266.8	135.2	3/0	7/4.961	14.88	0.2131	2,192	373.3	1,150	429	40-20
Laurel	266.8	135.2	3/0	19/3.010	15.05	0.2132	2,254	373.0	4,500	1,679	60-32
Peony	300.0	152.1	188.8	19/3.193	15.97	0.1895	2,487	419.8	4,000	1,679	60-32
Tulip	336.4	170.6	4/0	19/3.381	16.91	0.1690	2,788	470.7	3,550	1,671	60-32
Canna	397.5	201.5	250	19/3.675	18.38	0.1431	3,228	556.1	3,000	1,668	60-32
Cosmos	477.0	241.5	300	19/4.023	20.12	0.1194	3,790	666.4	2,500	1,666	60-32
Syringa	477.0	241.5	300	37/2.883	20.18	0.1194	3,941	666.4	2,500	1,666	60-32
Dahlia	556.5	281.9	350	19/4.346	21.73	0.1023	4,423	777.7	2,150	1,672	60-32
Mistletoe	556.5	281.8	350	37/3.114	21.80	0.1023	4,507	777.5	2,150	1,672	60-32
Orchid	636.0	322.2	400	37/3.330	23.31	0.08947	5,154	889.1	1,850	1,645	60-32
Violet	715.5	362.7	450	37/3.533	24.73	0.07948	5,802	1,000.8	1,650	1,651	60-32
Nasturtium	715.5	362.6	450	61/2.751	24.76	0.07951	5,965	1,000.4	1,950	1,951	64-32
Arbutus	795.5	311.5	500	37/3.274	22.92	0.09256	4,982	859.4	1,900	1,633	60-32
Lilac	795.0	403.2	500	61/2.901	26.11	0.07150	6,506	1,112.5	1,750	1,947	64-32
Magnolia	954.0	483.5	600	37/4.079	28.55	0.05963	7,424	1,134.0	2,000	2,668	68-38
Goldenrod	954.0	483.9	600	61/3.178	28.60	0.05958	7,654	1,335.0	2,000	2,670	68-38
Bluebell	1,033.5	524.2	650	37/4.247	29.73	0.05500	8,049	1,446.2	1,850	2,675	68-38
Larkspur	1,033.5	523.9	650	61/3.307	29.76	0.05503	8,288	1,445.6	1,850	2,674	68-38
Marigold	1,113.0	564.3	700	61/3.432	30.89	0.05109	8,927	1,557.0	2,100	3,270	76-38
Narcissus	1,272.0	644.6	800	61/3.668	33.01	0.04473	9,993	1,778.5	1,800	3,201	76-38
Carnation	1,431.0	725.3	900	61/3.891	35.02	0.03975	11,015	2,001.3	1,600	3,202	76-38
Coreopsis	1,590.0	806.1	1,000	61/4.102	36.92	0.03576	12,243	2,224.2	1,450	3,225	76-38