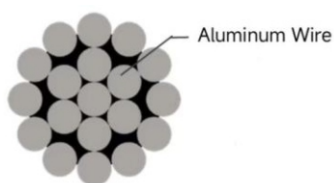


German Standards AAC Conductor



APPLICATION

AAC conductor is also known as aluminium stranded conductor. It is manufactured from electrolytically refined aluminium, with a minimum purity of 99.7%. AAC is used mainly in urban areas where the spacing is short and the supports are close. All aluminium conductors are made up of one or more strands of aluminium wire depending on the end usage. AAC is also used extensively in coastal regions because it has a high degree of corrosion resistance.

STANDARDS

German Standards DIN 50182(OLD ATANDART DIN48201-Part 5)

CONSTRUCTION

Conductor

Hard-Drawn aluminum

THE CABLE TEST

We have world-class testing facility, and made rigorous testing regime, every meter of cable before leaving the factory must go through strict testing, testing qualified products will be shipped to customers, effectively ensure product quality and meet customer requirements.

SUSTAINABILITY COMMITMENT

Guowang Cable actively implements the "carbon reduction" goal, strives to promote the green's low-carbon transformation, strengthens energy-saving and emission reduction technology innovation, and promotes the company's healthy and sustainable development.

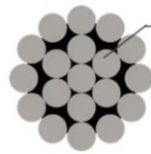
AAC –German Standards DIN 50182(OLD ATANDART DIN48201 -Part 5)

New Code	Old Code	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
		mm	mm	mm ²	kg/km	kN	ohm/km	A
16-AL1	16	7/1.70	5.1	15.9	43.4	3.02	1.7986	110
24-AL1	25	7/2.10	6.3	24.2	66.3	4.36	1.1787	144
34-AL1	35	7/2.50	7.5	34.4	93.9	6.01	0.8317	180
49-AL1	50	7/3.00	9	49.5	135.2	8.41	0.5776	225
48-AL1	50	19/1.80	9	48.3	132.9	8.94	0.5944	225
66-AL1	70	18/2.10	10.5	65.8	180.9	11.85	0.4367	270
93-AL1	95	19/2.50	12.5	93.3	256.3	16.32	0.3081	340
117-AL1	120	19/2.80	14	117	321.5	19.89	0.2456	390
147-AL1	150	37/2.25	15.8	147.1	405.7	26.48	0.196	455
182-AL1	185	37/2.50	17.5	181.6	500.9	31.78	0.1588	520
243-AL1	240	61/2.25	20.3	242.5	671.1	43.66	0.1193	625
299-AL1	300	61/2.50	22.5	299.4	828.5	52.4	0.0966	710
400-AL1	400	61/2.89	26	400.1	1107.1	68.02	0.0723	855
500-AL1	500	61/3.23	29.1	499.8	1382.9	82.47	0.0579	990
626-AL1	625	91/2.69	32.6	626.2	1739.7	106.45	0.0464	1140
802-AL1	800	91/3.35	36.9	802.1	2218.3	132.34	0.0362	1340
1000-AL1	1000	91/3.74	41.1	999.7	2777.3	159.95	0.0291	1540

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IEC Standards AAC Conductor



Aluminum Wire



APPLICATION

AAC conductor is also known as aluminium stranded conductor. It is manufactured from electrolytically refined aluminium, with a minimum purity of 99.7%. AAC is used mainly in urban areas where the spacing is short and the supports are close. All aluminium conductors are made up of one or more strands of aluminium wire depending on the end usage. AAC is also used extensively in coastal regions because it has a high degree of corrosion resistance.

STANDARDS

IEC Standards IEC 61089:1991

CONSTRUCTION

Conductor

Hard-Drawn aluminum

THE CABLE TEST

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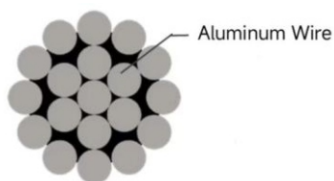
IEC Standards BS EN 50182: 2001(BS215 Part 1:1970)

New Code	Stranding& Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance
	mm	mm	mm ²	kg/km	kN	Ohm/km
10	7/1.35	4.05	10	27.4	1.95	2.8633
16	7/1.71	5.12	16	43.8	3.04	1.7896
25	7/2.13	6.4	25	68.4	4.5	1.1453
40	7/2.70	8.09	40	109.4	6.8	0.7158
100	19/2.59	12.9	100	274.8	17	0.2877
125	19/2.89	14.5	125	343.8	21.25	0.2302
160	19/3.27	16.4	160	439.8	26.4	0.1798
200	19/3.66	18.3	200	549.7	32	0.1439
250	19/4.09	20.5	250	687.1	40	0.1151
315	37/3.29	23	315	867.9	51.97	0.0916
400	37/3.71	26	400	1102	64	0.0721
450	37/3.94	27.5	450	1239.8	72	0.0641
500	37/4.15	29	500	1377.6	80	0.0577
560	37/4.39	30.7	560	1542.9	89.6	0.0515
630	61/3.63	32.6	630	1738.3	100.8	0.0458
710	61/3.85	34.6	710	1959.1	113.6	0.0407
800	61/4.09	36.8	800	2207.4	128	0.0361
900	61/4.33	39	900	2483.3	144	0.0321
1000	61/4.57	41.1	1000	2759.2	160	0.0289
1120	91/3.96	43.5	1120	3093.5	179.2	0.0258
1250	91/4.18	46	1250	3452.6	200	0.0231
1400	91/4.43	48.7	1400	3866.9	224	0.0207
1500	91/4.58	50.4	1500	4143.1	240	0.0193

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Canadian Standards AAC Conductor



APPLICATION

AAC conductor is also known as aluminium stranded conductor. It is manufactured from electrolytically refined aluminium, with a minimum purity of 99.7%. AAC is used mainly in urban areas where the spacing is short and the supports are close. All aluminium conductors are made up of one or more strands of aluminium wire depending on the end usage. AAC is also used extensively in coastal regions because it has a high degree of corrosion resistance.

STANDARDS

Canadian Standards CSA C49-1965

CONSTRUCTION

Conductor

Hard-Drawn aluminum

THE CABLE TEST

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SUSTAINABILITY COMMITMENT

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AAC – Canadian Standards CSA C 49 -1965

Code Word	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	mm	mm	mm ²	kg/km	kN	ohm/km	A
Rose	7/1.96	5.89	21.16	58	4.1	1.351	104
Lily	7/2.20	6.61	26.65	73	5	1.072	124
Iris	7/2.47	7.42	33.61	92	6.2	0.8497	136
Pansy	7/2.77	8.33	42.39	116	7.6	0.6739	157
Poppy	7/3.12	9.36	53.48	146	9.2	0.5341	180
Aster	7/3.50	10.51	67.42	184	11.6	0.4236	207
Phlox	7/3.93	11.8	85.03	232	14.1	0.336	237
Oxlip	7/4.41	13.25	107.23	293	17.7	0.2664	273
Daisy	7/4.96	14.9	135.16	369	22.4	0.2113	313
Valerian	19/2.91	14.57	126.71	348	22.3	0.2274	305
Laurel	19/3.01	15.05	135.16	372	23.8	0.2129	317
Peony	19/3.19	15.97	152	417	26.2	0.188	340
Tulip	19/3.38	16.91	170.45	467	29.4	0.1638	364
Daffodil	19/3.44	17.24	177.35	488	30.6	0.1324	373
Canna	19/3.67	18.36	201.42	554	34	0.1427	401
-	19/3.68	18.43	202.71	558	34.2	0.1421	402
Goldentuft	19/3.90	19.55	228	626	37.7	0.1263	432
Cosmos	19/4.02	20.12	241.68	664	40	0.1188	447
Zinnia	19/4.12	20.6	253.35	695	41.9	0.1132	459
Dahlia	19/4.34	21.73	282	774	46.7	0.1018	489
-	37/3.09	21.67	278.71	768	48	0.1033	485

AAC – Canadian Standards CSA C 49 -1965

Code Word	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	mm	mm	mm2	kg/km	kN	ohm/km	A
Meadowsweet	37/3.23	22.63	304	838	52.4	0.0948	513
Orchid	37/3.33	23.31	322.26	888	55.6	0.0896	231
Heuchera	37/3.36	23.56	329.35	908	56.8	0.0876	538
Varbena	37/3.49	24.45	354.71	978	61.1	0.0814	562
Violet	37/3.53	24.74	362.58	1000	62.5	0.0797	570
Patunia	37/3.61	25.32	380	1048	64.2	0.0758	585
Arbutus	37/3.72	26.06	402.84	1112	68.1	0.0715	605
-	37/3.73	26.14	405.35	1118	68.5	0.0712	608
Anemone	37/3.90	27.33	443.1	1222	73.3	0.0653	641
Cockscomb	37/3.96	27.73	456.06	1257	75.4	0.0633	657
Magnolia	37/4.07	28.55	483.42	1333	80	0.0597	675
Hawkweed	37/4.17	29.23	506.71	1396	83.8	0.0568	693
Bluebell	37/4.24	29.72	523.68	1445	86.6	0.0551	706
-	61/3.41	30.7	557.35	1539	96.1	0.0518	733
Marigold	61/3.43	30.89	563.93	1559	97.2	0.0512	738
Hawthorn	61/3.55	31.95	604.26	1670	104.1	0.0479	767
-	61/3.56	32.08	608.06	1679	102.7	0.0476	771
Narcissus	61/3.66	33.02	644.51	1781	108.8	0.045	797
-	61/3.70	33.37	658.71	1818	111.2	0.044	807
Columbine	61/3.78	34.01	684.84	1893	115.6	0.0423	825
-	61/3.84	34.63	709.42	1958	117.4	0.0407	842

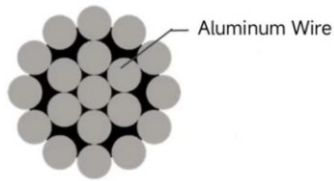
AAC – Canadian Standards CSA C 49 -1965

Code Word	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
Carnation	61/3.89	35.03	725.1	2004	119.9	0.04	854
-	61/3.98	35.85	760.06	2098	125.7	0.0381	877
Gladiolus	61/3.99	35.99	765.35	2116	126.5	0.0377	881
Corepsis	61/4.09	36.91	805.68	2226	133.2	0.0358	907
-	61/4.11	37.04	810.71	2238	134.1	0.0358	910
-	61/4.23	38.15	861.42	2378	142.6	0.0335	942
-	61/3.57	39.28	912.06	2521	153.9	0.0316	975
Carnation	61/3.89	35.03	725.1	2004	119.9	0.04	854
-	61/3.98	35.85	760.06	2098	125.7	0.0381	877
Gladiolus	61/3.99	35.99	765.35	2116	126.5	0.0377	881
Corepsis	61/4.09	36.91	805.68	2226	133.2	0.0358	907
-	61/4.11	37.04	810.71	2238	134.1	0.0358	910
-	61/4.23	38.15	861.42	2378	142.6	0.0335	942
-	61/3.57	39.28	912.06	2521	153.9	0.0316	975

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American Standards AAC Conductor



APPLICATION

AAC conductor is also known as aluminium stranded conductor. It is manufactured from electrolytically refined aluminium, with a minimum purity of 99.7%. AAC is used mainly in urban areas where the spacing is short and the supports are close. All aluminium conductors are made up of one or more strands of aluminium wire depending on the end usage. AAC is also used extensively in coastal regions because it has a high degree of corrosion resistance.

STANDARDS

American Standards ASTM B231/B231M-04

CONSTRUCTION

Conductor

Hard-Drawn aluminum

THE CABLE TEST

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SUSTAINABILITY COMMITMENT

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AAC – American Standards ASTM B231/B231M -04

Code Word	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	mm	mm	mm ²	kg/km	kN	ohm/km	A
Peachbell	7/1.56	4.68	13.3	36.6	2.53	2.169	103
Rose	7/1.96	5.88	21.1	58.2	3.91	1.362	138
Iris	7/2.47	7.41	33.6	92.6	5.99	0.8574	185
Pansy	7/2.78	8.34	42.4	116.6	7.3	0.6801	214
Poppy	7/3.12	9.36	53.5	147.2	8.84	0.539	247
Aster	7/3.50	10.5	67.4	185.7	11.1	0.4276	286
Phlox	7/3.93	11.79	85	233.9	13.5	0.339	331
Oxlip	7/4.42	13.26	107.2	295.2	17	0.2688	383
Valerian	19/2.91	14.55	126.7	348.6	20.7	0.2275	425
Sneezewort	7/4.80	14.4	126.7	348.8	20.1	0.2275	425
Laurel	19/3.10	15.05	135.2	372.2	22.1	0.2133	443
Daisy	7/4.96	14.88	135.2	372.3	21.4	0.2133	443
Peony	19/3.19	15.95	152	418.3	24.3	0.1896	478
Tulip	19/3.38	16.9	170.5	469.5	27.3	0.1695	513
Daffodil	19/3.45	17.25	177.3	487.9	28.4	0.1625	526
Canna	19/3.67	18.25	201.4	554.9	31.6	0.1423	570
Goldentuft	19/3.91	19.55	228	627.6	35	0.1264	616
Syringa	37/2.88	20.16	242	664.8	38.6	0.1193	639
Cosmos	19/4.02	21.1	242	664.8	37	0.1193	639
Hyacinth	37/2.95	20.65	253.3	696.8	40.5	0.1137	658
Zinnia	19/4.12	20.6	253.3	697.1	38.9	0.1137	658

AAC – American Standards ASTM B231/B231M -04

Code Word	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	mm	mm	mm2	kg/km	kN	ohm/km	A
Dahlia	19/4.35	21.75	282	775.8	43.3	0.1023	703
Mistletoe	37/3.12	21.84	282	775.7	44.3	0.1023	704
Meadowsweet	37/3.223	22.61	304	836.3	47.5	0.0948	738
Orchid	37/3.33	23.31	323.3	886.9	50.4	0.0893	765
Heuchera	37/3.37	23.59	329.4	907.4	51.7	0.0875	775
Flag	61/2.72	24.48	354.7	975.8	57.1	0.0813	812
Varbena	37/3.49	24.43	354.7	975.7	55.4	0.0813	812
Nasturtium	61/2.75	24.75	362.6	998.5	58.4	0.0795	823
Violet	37/3.53	24.71	362.6	998.5	56.7	0.0795	823
Cattail	61/2.82	25.38	380	1046	60.3	0.0759	847
Petunia	37/3.62	25.34	380	1046	58.6	0.0759	847
Lilac	61/2.90	26.1	402.8	1110	63.8	0.0715	878
Arbustus	37/3.72	26.04	402.8	1109	61.8	0.0715	878
Snapdragon	61/3.09	27.81	456	1256	70.8	0.0632	948
Cockscomb	37/3.96	27.72	456	1256	68.4	0.0632	948
Goldenrod	61/3.18	28.62	483.4	1331	75	0.0596	982
Magnolia	37/4.08	28.56	483.40	1331.0	72.60	0.0596	982
Camellia	61/3.25	29.25	506.70	1394.0	78.30	0.0596	1010
Hawkweed	37/4.18	29.26	506.70	1395.0	76.20	0.0596	1010
Larkspur	61/3.31	29.79	523.70	1442.0	81.30	0.0550	1031
Bluebell	37/4.25	29.75	523.70	1441.0	78.80	0.0550	1031

AAC- American Standards ASTM B231/B231M -04

Code Word	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	mm	mm	mm2	kg/km	kN	ohm/km	A
Marigold	61/3.43	30.87	564.00	1553.0	87.30	0.0511	1079
Hawthorn	61/3.55	31.95	604.20	1662.0	93.50	0.0447	1124
Narcissus	61/3.67	33.03	644.50	1774.0	98.10	0.0447	1169
Columbine	61/3.78	34.02	694.80	1884.0	104.00	0.0421	1212
Carnation	61/3.89	35.01	725.10	1997.0	108.00	0.0398	1253
Gladiolus	61/4.00	36.00	765.41	2108.0	114.00	0.0376	1294
Coreopsis	61/4.10	36.90	805.70	2216.0	120.00	0.0358	1333
Jessamine	61/4.30	38.70	886.70	2442.0	132.00	0.0325	1408
Cowslip	91/3.77	41.47	1013.00	2787.0	153.00	0.0284	1518
Sagebrush	91/3.99	43.89	1140.00	3166.0	167.00	0.0255	1612
Lupine	91/4.21	46.31	1267.00	3519.0	186.00	0.0230	1706
Bitterroot	91/4.42	48.62	1393.00	3872.0	205.00	0.0209	1793
Trillium	127/3.90	50.70	1520.00	4226.0	223.00	0.0191	1874
Bluebonnet	127/4.22	54.86	1773.00	4977.0	261.00	0.0166	2024

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British Standards AAC Conductor



APPLICATION

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STANDARDS

British Standards BS EN 50182: 2001(BS215 Part 1:1970)

CONSTRUCTION

Conductor
Hard-Drawn aluminum

THE CABLE TEST

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SUSTAINABILITY COMMITMENT

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British Standards BS EN 50182: 2001(BS215 Part 1:1970)

New Code	Old Code	Stranding& Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
		mm	mm	mm ²	kg/km	kN	Ohm/km	A
23-AL1	Midge	7/2.06	6.18	22	64	3.99	1.227	114
27-AL1	Gnat	7/2.21	6.63	--	73	4.83	1.0643	124
37-AL1	Mosquito	7/2.59	7.77	--	101	6.27	0.7749	144
43-AL1	Ladybird	7/2.79	8.37	--	117	7.28	0.6678	159
53-AL1	Ant	7/3.10	9.3	50	145	8.28	0.5419	181
64-AL1	Fly	7/3.40	10.2	60	174	9.9	0.4505	199
74-AL1	Bluebotto	7/3.66	10.98	--	201	11.78	0.388	219
79-AL1	Earwig	7/3.78	11.34	--	215	12.57	0.3638	227
84-AL1	Grasshopper	7/3.91	11.73	--	230	13.46	0.34	238
96-AL1	Clegg	7/4.17	12.51	--	261	15.3	0.2989	256
106-AL1	Wasp	7/4.39	13.17	100	290	16	0.2702	271
106-AL1	Beetle	19/2.67	13.35	--	292	18.08	0.2701	274
132-AL1	Bee	7/4.90	14.7	--	361	21.12	0.2165	308
158-AL1	Hornet	19/3.25	16.25	150	434	25.7	0.1825	346
186-AL1	Caterpillar	19/3.53	17.65	--	511	29.75	0.1546	380
213-AL1	Chafer	19/3.78	18.9	200	587	32.4	0.1349	414
238-AL1	Spider	19/3.99	19.95	--	653	38.01	0.121	439
266-AL1	Cockroach	19/4.22	21.1	250	731	40.4	0.1083	470
323-AL1	Butterfly	19/4.65	23.25	300	888	48.75	0.08916	528
373-AL1	Centipede	37/3.78	26.46	400	1145	63.1	0.06944	619
415-AL1	Moth	19/5.00	25	--	1025	59.69	0.077	572
372-AL1	Drone	37/3.58	25.06	--	1027	59.59	0.0774	572
486-AL1	Maybug	37/4.09	28.63	--	1340	77.78	0.593	676
530-AL1	Scorpion	37/4.27	29.89	--	1461	84.77	0.0544	710
628-AL1	Cicada	37/4.65	32.55	--	1732	100.54	0.0459	784

* These values are given for information only

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.