SOUTH CABLE

SOUTH CABLE
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SOUTH CABLE

WIRE CABLE SELECTION GUIDE

ABOUT SOUTH

SOUTH CABLE is a company specializing in the research, development, manufacturing, and sales of high-end wire and cable products.

We are committed to providing safe, reliable, and efficient connectivity solutions for global energy transmission, information communication, and smart infrastructure construction.

MEDIUM VOLTAGE POWER CABLE

Contents

01

Contents

Building Wire

02

OVERHEAD BARE CONDUCTORS

Contents

03

German Standards AAAC Conductor

APPLICATION

AAAC is used as a bare overhead conductor for power transmission and distribution lines, on aerial circuits that require a larger mechanical resistance than AAC, and a better corrosion resistance than ACSR. The sag characteristics and the strength-to-weight ratio of AAAC is better than both AAC / ACSR.

STANDARDS

German Standards DIN 48201 Part 6(1981)

CONSTRUCTION

Conductor
Aluminium alloy conductor

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 COMMITMEN

South Cable actively implements the "carbon reduction"goal, strives to promote the green's low-carbon transformation,strengthens energy-saving and emission reduction technologyinnovation, and promotes the company's healthy and sustain-able development.

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German Standards AAAC Conductor

German Standards DIN 48201 Part 6(1981)

New Code	Old Code	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
16-AL3	16	7/1.70	5.1	15.9	43.4	4.69	2.0701	105
24-AL3	25	7/2.10	6.3	24.2	66.2	7.15	1.3566	135
34-AL3	35	7/2.50	7.5	34.4	93.8	10.14	0.9572	170
49-AL3	50	7/3.00	9.0	49.5	135.1	14.60	0.6647	210
48-AL3	50	19/1.80	9.0	48.3	132.7	14.26	0.6841	210
66-AL3	70	18/2.10	10.5	65.8	180.7	19.41	0.5026	255
93-AL3	95	19/2.50	12.5	93.3	256.0	27.51	0.3546	320
117-AL3	120	19/2.80	14.0	117.0	321.2	34.51	0.2827	365
147-AL3	150	37/2.25	15.8	147.1	405.3	43.40	0.2256	425
182-AL3	185	37/2.50	17.5	181.6	500.3	53.58	0.1827	490
243-AL3	240	61/2.25	20.3	242.5	670.3	71.55	0.1373	585
299-AL3	300	61/2.50	22.5	299.4	827.5	88.33	0.1112	670
400-AL3	400	61/2.89	26.0	400.1	1105.9	118.04	0.0832	810
500-AL3	500	61/3.23	29.1	499.8	1381.4	147.45	0.0666	930
626-AL3	625	91/2.69	32.6	626.2	1737.7	184.73	0.0534	1075
802-AL3	800	91/3.35	36.9	802.1	2225.8	236.62	0.0417	1255
1000-AL3	1000	91/3.74	41.1	999.7	2774.3	294.91	0.0334	1450

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French Standards AAAC Conductor

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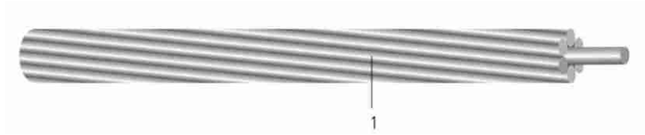

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STANDARDS

French Standards NFC 34-125

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Conductor

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French Standards AAAC Conductor

French Standards NFC 34 -125

New Code	Old Code	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance
		mm	mm	mm²	kg/km	kN	ohm/km
22-AL4	ASTER 22	7/2.00	6.0	22.0	60.0	7.15	1.4989
34-AL4	ASTER34.4	7/2.50	7.5	34.4	93.8	11.17	0.9593
55-AL4	ASTER 54.6	7/3.15	9.45	54.6	148.9	17.73	0.6042
76-AL4	ASTER 75.5	19/2.25	11.3	75.5	207.4	24.55	0.4388
117-AL4	ASTER117	19/2.80	14.0	117.0	321.2	38.02	0.2833
148-AL4	ASTER148	19/3.15	15.8	148.1	406.5	48.12	0.2239
182-AL4	ASTER 181.6	37/2.50	17.5	181.6	500.3	59.03	0.1831
228-AL4	ASTER 228	37/2.80	19.6	227.8	627.6	74.04	0.1460
288-AL4	ASTER 288	37/3.15	22.1	288.3	794.3	93.71	0.1154
366-AL4	ASTER 366	373.55	24.9	366.2	1008.9	115.36	0.0908
570-AL4	ASTER 570	61/3.45	31.1	570.2	1576.0	185.33	0.0585
851-AL4	ASTER 851	91/3.45	38.0	850.7	2360.7	276.47	0.0394
1144-AL4	ASTER1144	91/4.00	44.0	1143.5	3173.4	360.22	0.0293

French Standards NFC 34 -125

Code Word	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance
	mm	mm	mm²	kg/km	kN	ohm/km
16	7/2.56	7.69	36.2	216.4	39.04	1.7896
25	7/3.21	9.62	56.5	338.2	61.00	1.1454
40	7/4.05	12.2	90	541.4	97.61	0.715
40	19/2.46	12.3	90.4	543.7	97.61	0.7193
63	19/3.09	15.4	142	856.4	153.73	0.4567
100	37/2.79	19.5	226	1362.6	244.02	0.2884
125	37/3.12	21.8	282	1703.2	305.02	0.2307
160	37/3.53	24.7	362	2180.1	390.43	0.1803
200	37/3.94	27.6	452	2725.1	488.03	0.1442
200	61/3.07	27.6	452	2729.1	488.03	0.1444

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Canadian Standards AAAC Conductor

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STANDARDS

Canadian Standards CSA C49.1,CAN/CSA C61089

CONSTRUCTION

Conductor

Aluminium alloy conductor

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Canadian Standards AAAC Conductor

Canadian Standards CSA C49.1,CAN/CSA C61089

New Code	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
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
Akron	7/1.68	5.03	15.5	42.41	4.94	2.1707	107
Alton	7/2.12	6.35	24.6	67.56	7.83	1.3637	143
Ames	7/2.67	8.03	39.2	107.45	12.46	0.8564	191
Azusa	7/3.37	10.11	62.4	171.14	19.85	0.5369	256
Anaheim	7/3.78	11.35	78.8	215.63	23.98	0.4282	296
Amherst	7/4.25	12.75	99.2	271.59	30.21	0.3393	342
Alliance	7/4.77	14.30	125.1	342.58	38.09	0.2688	395
Butte	19/3.26	16.31	158.4	434.10	48.95	0.2121	460
Canton	19/3.66	18.29	199.9	574.50	59.18	0.1683	532
Cairo	19/3.98	19.89	235.8	645.86	69.42	0.1426	590
Darien	19/4.36	21.79	283.5	776.83	83.66	0.1186	663
Elgin	19/4.71	23.55	330.6	905.40	97.45	0.1018	729
Flint	37/3.59	25.15	375.4	1028.02	108.58	0.0896	790
Greeley	37/4.02	28.14	469.8	1286.67	135.72	0.0175	908

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American Standards AAAC Conductor

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STANDARDS

American Standards ASTMB399-97

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Aluminium alloy conductor

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American Standards AAAC Conductor

American Standards ASTMB399 -97

Code Word	Stranding&Wire Diameter	Overall Diameter	Sectional Area	Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	mm	mm	mm	kg/km	kN	ohm/km	A
Akron	7/1.68	5.03	15.5	42.41	4.94	2.1707	107
Alton	7/2.12	6.35	24.6	67.56	7.83	1.3637	143
Ames	7/2.67	8.03	39.2	107.45	12.46	0.8564	191
Azusa	7/3.37	10.11	62.4	171.14	19.85	0.5369	256
Anaheim	7/3.78	11.35	78.8	215.63	23.98	0.4282	296
Amherst	7/4.25	12.75	99.2	271.59	30.21	0.3393	342
Alliance	7/4.77	14.30	125.1	342.58	38.09	0.2688	395
Butte	19/3.26	16.31	158.4	434.10	48.95	0.2121	460
Canton	19/3.66	18.29	199.9	574.50	59.18	0.1683	532
Cairo	19/3.98	19.89	235.8	645.86	69.42	0.1426	590
Darien	19/4.36	21.79	283.5	776.83	83.66	0.1186	663
Elgin	19/4.71	23.55	330.6	905.40	97.45	0.1018	729
Flint	37/3.59	25.15	375.4	1028.02	108.58	0.0896	790
Greeley	37/4.02	28.14	469.8	1286.67	135.72	0.0175	908

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British Standards AAAC Conductor

APPLICATION

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STANDARDS

British Standards BS EN 50182:2001(Old Standard BS 3242-1970)

CONSTRUCTION

Conductor

Aluminium alloy conductor

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British Standards AAAC Conductor

British Standards BS EN 50182:2001(Old Standard BS 3242 -1970)

New Code	Old Code	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
19-AL3	BOX	7/1.85	5.55	18.8	51.4	5.55	1.7480	96
24-AL3	Acacia	7/2.08	6.24	23.9	64.9	7.02	1.3828	110
30-AL3	Almond	7/2.34	7.02	30.1	82.2	8.88	1.0926	128
35-AL3	Cedar	7/2.54	7.62	35.5	96.8	10.46	0.9273	132
42-AL3	Deodar	7/2.77	8.31	42.2	115.2	12.44	0.7797	148
48-AL3	Fir	7/2.95	8.85	47.8	130.6	14.11	0.6875	161
60-AL3	Hazel	7/3.30	9.90	59.9	163.4	17.66	0.5494	184
72-AL3	Pine		10.80	71.6	195.6	21.14	0.4591	204
84-AL3	Holly	7/3.91	11.70	84.1	229.5	24.79	0.3913	222
90-AL3	Willow	7/4.04	12.10	89.7	245.0	26.47	0.3665	233
119-AL3	Oak	7/4.65	13.95	118.9	324.5	35.07	0.2767	272
151-AL3	Mulbery	19/3.18	15.90	150.9	414.3	44.52	0.2192	319
181-AL3	Ash	19/3.48	17.40	180.7	496.1	53.31	0.1830	354
211-AL3	Elm	19/3.76	18.80	211.0	579.2	62.24	0.1568	385
239-AL3	Poplar	37/2.87	20.10	239.4	659.4	70.61	0.138	414
303-AL3	Sycamor	37/23.23	22.60	303.2	835.2	89.40	0.1095	487
362-AL3	Upas	37/3.53	24.70	362.1	997.5	106.82	0.0917	527
479-AL3	Yew	37/4.06	28.40	479.0	1319.6	141.31	0.0693	629
498-AL3 Totara	Totara 37/4.14	37/4.14	29.42	498.1	1372.1	146.93	0.0666	640
-		61/3.50	31.50	586.9	1622.0	173.13	0.0567	716
659-AL3 Sorbus	Sorbus 61/3.71	61/3.71	33.40	659.4	1822.5	194.53	0.0505	760
821-AL3 Araucaria	Araucaria	61/4.14	37.30	821.1	2269.5	242.24	0.0406	842
996-AL3 Redwood	Redwood 61/4.56	61/4.56	41.00	996.2	2753.2	293.88	0.0334	920

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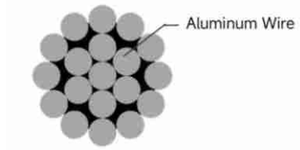
German Standards AAC Conductor



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 theend 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

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

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		mm	mm	mm2	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

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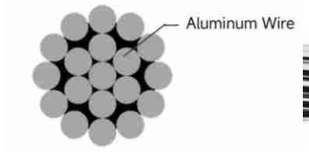

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STANDARDS

IEC Standards IEC 61089:1991

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	mm	mm	mm²	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		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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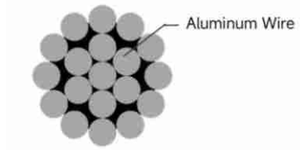
SOUTH CABLEHigh-tech Zone, Zhengzhou City,Henan Province, China

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 theend 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 COMMITMEN

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Canadian Standards AAC Conductor

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
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

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Canadian Standards AAC Conductor

SOUTH CABLE

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

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Canadian Standards AAC Conductor

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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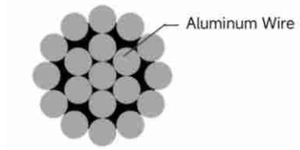
American Standards AAC Conductor



APPLICATION

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STANDARDS

American Standards ASTM B231/B231M-04

CONSTRUCTION

Conductor

Hard-Drawn aluminum

THE CABLE TEST

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SUSTAINABILITY COMMITMEN

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American Standards AAC Conductor

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
Peachbell	7/1.56	4.68	13.3	36.6	2.53	2.169	103
Rose	71.96	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

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American Standards AAC Conductor
SOUTH CABLE
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

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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	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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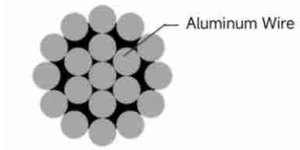
British Standards AAC Conductor



APPLICATION

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 theend usage. AAC is also used extensively in coastal regions because it has a high degree of corrosion resistance

STANDARDS

British Standards BS EN 50182: 2001(BS215 Part1:1970)

CONSTRUCTION

Conductor

Hard-Drawn aluminum

THE CABLE TEST

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SUSTAINABILITY COMMITMEN

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British Standards AAC Conductor

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	mm²	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		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		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

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German Standards AACSR Conductor

APPLICATION

AACSR is a concentrically stranded conductor composed of one or more layers of Aluminium-Magnesium-Silicon alloy wire stranded over a high-strength zinc coated (galvanized) steel core. AACSR Conductors have approx.40% to 60% more strength than comparable standard ACSR with only 8 to 10% decrease in conductivity.

STANDARDS

German Standards DIN EN 50182
(OLD STANDARD DIN 48 206)

CONSTRUCTION

Conductor
Aluminum Alloy Wires, concentrically stranded over a central wire/core of Galvanized steel.

THE CABLE TEST

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German Standards AACSR Conductor

German Standards DIN EN 50182(OLD STANDARD DIN 48 206)

New Code	Old Code	Stranding& Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
		Aluminum	Steel		Aluminum	Steel	Total				
		mm	mm	mm	mm²	mm²	mm²	kg/km	kN	Ohm/km	A
15-AL3/3-ST1A	16/2.5	6/1.80	1/1.80	5.40	15.3	2.54	17.8	61.6	7.48	2.1602	100
24-AL3/4-ST1A	25/4	6/2.25	1/2.25	6.75	23.9	3.98	27.8	96.2	11.69	1.3825	135
34-AL3/6-ST1A	35/6	6/2.70	1/2.70	8.10	34.4	5.73	40.1	138.6	16.66	0.9601	165
44-AL3/32-ST1A	44/32	14/2.00	7/2.40	11.2	44.0	31.7	75.6	369.1	49.08	0.7556	
48-AL3/8-ST1A	50/8	6/3.20	1/3.20	9.60	48.3	8.04	56.3	194.7	23.08	0.6835	200
51-AL3/30-ST1A	50/30	12/2.33	7/2.33	11.7	51.2	29.8	81.0	374.6	49.12	0.6496	
70-AL3/11-ST1A	70/12	26/1.85	7/1.44	11.7	69.9	11.4	81.3	282.0	33.96	0.4756	270
94-AL3/15-ST1A	95/15	26/2.15	7/1.67	13.6	94.4	15.3	109.7	380.3	45.79	0.3521	330
97-AL3/56-ST1A	95/55	12/3.20	7/3.20	16.0	96.5	56.3	152.8	706.5	90.40	0.3444	
106-AL3/76-ST1A	105/75	14/3.10	19/2.25	17.5	105.7	75.5	181.2	885.0	119.56	0.3155	-
122-AL3/20-ST1A	120/20	26/2.44	7/1.90	15.5	121.6	19.8	141.4	490.6	59.09	0.2734	385
122-AL3/71-ST1A	120/70	12/3.60	7/3.60	18.0	122.1	71.3	193.4	894.2	114.41	0.2721	
128-AL3/30-ST1A	125/30	30/2.33	7/2.33	16.3	127.9	29.8	157.8	586.6	71.76	0.2601	400
149-AL3/24-ST1A	150/25	26/2.70	7/2.10	17.1	148.9	24.2	173.1	600.3	72.28	0.2233	445
172-AL3/40-ST1A	170/40	30/2.70	7/2.70	18.9	171.8	40.1	211.8	787.7	96.36	0.1937	490
184-AL3/30-ST1A	185/30	26/3.00	7/2.33	19.0	183.8	29.8	213.6	740.4	88.24	0.1809	505
209-AL3/34-ST1A	210/35	26/3.20	7/2.49	20.3	209.1	34.1	243.2	843.5	100.54	0.1590	555
212-AL3/49-ST1A	210/50	30/3.00	7/3.00	21.0	212.1	49.5	261.5	972.5	118.96	0.1569	575
231-AL3/30-ST1A	230/30	24/3.50	7/2.33	21.0	230.9	29.8	260.8	870.1	102.14	0.1439	595
243-AL3/39-ST1A	240/40	26/3.45	7/2.68	21.8	243.1	39.5	282.5	979.4	116.72	0.1368	605

German Standards AACSR Conductor

SOUTH CABLE

German Standards DIN EN 50182(OLD STANDARD DIN 48 206)

New Code	Old Code	Stranding& Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
		Aluminum	Steel		Aluminum	Steel	Total				
		mm	mm	mm	mm²	mm²	mm²	kg/km	kN	Ohm/km	A
264-AL3/34-ST1A	265/3	5 24/3.74	7/2.49	22.4	263.7	34.1	297.7	993.6	116.64	0.1160	640
304-AL3/49-ST1A	300/50	26/3.86	7/3.00	24.4	304.3	49.5	353.7	1226.4	146.16	0.1092	700
305-AL3/39-ST1A	305/40	54/2.68	7/2.68	24.1	304.6	39.5	344.1	1150.3	134.88	0.1093	700
339-AL3/30-ST1A	340/30	48/3.00	7/2.33	25.0	339.3	29.8	369.1	1170.2	134.12	0.0980	740
382-AL3/49-ST1A	380/50	54/3.00	7/3.00	27.0	381.7	49.5	431.2	1441.4	169.01	0.0872	790
386-AL3/34-ST1A	385/35	48/3.20	7/2.49	26.7	386.0	34.1	420.1	1332.4	152.74	0.0862	800
434-AL3/56-ST1A	435/55	54/3.20	7/3.20	28.8	434.3	56.3	490.6	1640.0	190.04	0.0766	845
449-AL3/39-ST1A	450/40	48/3.45	7/2.68	28.7	448.7	39.5	488.2	1547.7	177.39	0.0741	865
490-AL3/64-ST1A	490/65	54/3.40	7/3.40	30.6	490.3	63.6	553.8	1851.4	214.54	0.0679	905
550-AL3/71-ST1A	550/70	54/3.60	7/3.60	32.4	549.7	71.3	620.9	2075.6	240.52	0.0605	960
562-AL3/49-ST1A	560/50	48/3.86	7/3.00	32.2	561.7	49.5	611.2	1937.8	222.11	0.0592	980
679-AL3/86-ST1A	680/85	54/4.00	19/2.40	63.0	678.6	86.0	764.5	2547.8	298.17	0.0490	1080

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French Standards AACSR Conductor

APPLICATION

AACSR is a concentrically stranded conductor composed of one or more layers of Aluminium-Magnesium-Silicon alloy wire stranded over a high-strength zinc coated (galvanized) steel core. AACSR Conductors have approx.40% to 60% more strength than comparable standard ACSR with only 8 to 10% decrease in conductivity.

STANDARDS

French Standards 50182(OLDSTANDARD NFC34 125)

CONSTRUCTION

Conductor

Aluminum Alloy Wires, concentrically stranded over a central wire/core of Galvanized steel.

THE CABLE TEST

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French Standards AACSR Conductor

French Standards 50182(OLD STANDARD NFC34 125)

New Code	Old Code	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance I	OutLayer Direction
		Aluminium	Steel		Aluminium	Steel	Total				
		mm	mm	mm	mm²	mm²	mm²	Kg/km	kN	Ohm/km	
28-AL4/9-ST6C	PHLOX37.3	9*2.00	3*2.00	8.30	26.3	9.4	37.7	151.4	22.86	1.1750	z
38-AL4/22-ST6C	PHLOX59.7	12*2.00	7*2.00	10.0	37.7	22.0	59.7	276.0	44.14	0.8835	s
48-AL4/28-ST6C	PHLOX75.5	12*2.25	7*2.25	11.3	47.7	27.8	75.5	349.3	55.86	0.6981	s
52-AL4/42-ST6C	PHLOX94.1	15*2.10	19*2.10	12.6	52.0	42.1	94.1	474.2	77.96	0.6435	s
57-AL4/60-ST6C	PHLOX116.2	18*2.00	19*2.00	14.0	56.5	59.7	116.2	625.0	104.93	0.5921	s
72-AL4/76-ST6C	PHLOX147.1	18*2.25	19*2.25	15.8	71.6	75.5	147.1	791.0	132.80	0.4678	s
119-AL4/28-ST6C	PASTEL147.1	30*2.25	7*2.25	15.8	119.3	27.8	147.1	547.0	79.12	0.2795	s
88-AL4/93-ST6C	PHLOX181.6	18*2.50	19*2.50	17.5	88.4	93.3	181.6	976.6	160.22	0.3789	s
147-AL4/34-ST6C	PASTEL181.6	30*2.50	7*2.50	17.5	147.3	34.4	181.6	675.3	96.31	0.2264	s
111-AL4/117-ST6C	PHLOX228	18*2.80	19*2.80	19.6	110.8	117.0	227.8	1225.0	200.98	0.3021	s
185-AL4/43-ST6C	PASTEL228	30*2.80	7*2.80	19.6	184.7	43.1	227.8	847.1	120.81	0.1805	s
140-AL4/148-ST6C	PHLOX288	18*3.15	19*3.15	22.1	140.3	148.1	288.3	1550.4	249.93	0.2387	s
234-AL4/55-ST6C	PASTEL288	30*3.15	7*3.15	22.1	233.8	54.6	288.3	1027.1	151.26	0.1426	s
206-AL4/93-ST6C	PASTEL299	42*2.50	19*2.50	22.5	206.2	93.3	299.4	1302.8	198.51	0.1622	s
148-AL4/228-ST6C	PHLOX376	24*2.80	37*2.80	25.2	147.8	227.8	375.6	2202.4	369.27	0.2270	s
326-AL4/86-ST6C	PASTEL412	32*3.60	19*2.40	26.4	325.7	86.0	411.7	1575.1	223.80	0.1025	s
508-AL4/105-ST6C	PETUNIA612	66*3.13	19*2.65	32.0	507.8	104.8	612.6	2225.0	312.81	0.0657	s
717-AL4/148-ST6C	PASTEL865	66*3.72	19*3.15	38.1	717.3	148.1	865.4	3143.2	430.29	0.0465	s
957-AL4/228-ST6C	POLYGONUM 1185	54*2.80	37*2.80	42.0	956.7	227.8	1184	4430.7	632.15	0.349	s

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IEC Standards AACSR Conductor

APPLICATION

AACSR is a concentrically stranded conductor composed of one or more layers of Aluminium-Magnesium-Silicon alloy wire stranded over a high-strength zinc coated (galvanized) steel core. AACSR Conductors have approx.40% to 60% more strength than comparable standard ACSR with only 8 to 10% decrease in conductivity.

STANDARDS

IEC Standards IEC61089 STANDARD

CONSTRUCTION

Conductor

Aluminum Alloy Wires, concentrically stranded over a central wire/core of Galvanized steel.

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SOUTH CABLE

IEC Standards IEC61089 STANDARD

New Code	Stranding& Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance
	Aluminum	Steel		Aluminum	Steel	Total			
	mm	mm	mm	mm²	mm²	mm²	kg/km	kN	Ohm/km
16	6/1.98	1/1.98	5.93	18.4	3.07	21.5	74.4	9.02	1.7934
25	6/2.47	1/2.47	7.41	28.8	4.80	33.6	116.2	13.96	1.1478
40	6/3.13	1/3.13	9.38	46.0	7.67	53.7	185.9	22.02	0.7174
63	6/3.92	1/3.92	11.80	72.5	12.10	84.6	292.8	34.68	0.4555
100	18/2.85	1/2.85	14.30	115.0	6.39	121.0	266.4	41.24	0.2880
125	18/3.19	1/6.19	16.00	144.0	7.99	152.0	458.0	51.23	0.2304
125	26/2.65	7/2.06	16.80	144.0	23.40	167.0	579.9	69.86	0.2310
160	18/3.61	1/3.61	18.00	184.0	10.20	294.0	586.2	65.58	0.1800
160	26/3.00	7/2.34	19.00	184.0	30.00	214.0	742.3	88.52	11.805
200	18/4.04	1/4.04	20.02	230.0	12.80	243.0	732.8	81.97	0.1440
200	26/3.36	7/2.61	21.30	230.0	37.50	268.0	927.9	110.64	0.1444
250	22/4.08	7/2.27	23.10	288.0	28.30	316.0	1,013.5	117.09	0.1154
250	26/3.75	7/2.92	23.80	288.0	46.90	335.0	1,159.8	138.31	0.1155
315	45/3.20	7/2.14	25.60	363.0	25.10	388.0	1,196.5	136.28	0.0917
315	26/4.21	7/3.28	26.70	363.0	59.00	422.0	1,461.4	171.90	0.0917
400	45/3.61	7/2.41	28.90	460.0	31.80	492.0	1,519.4	172.10	0.0722
400	54/3.29	7/3.29	29.70	460.6	59.70	520.0	1,738.3	201.46	0.0723
450	45/3.83	7/2.55	30.60	518.0	35.80	554.0	1,709.3	193.61	0.0642
450	54/3.49	7/3.49	31.50	518.0	67.10	585.0	1,955.6	226.64	0.0643
500	45/4.04	7/2.69	32.30	575.0	39.80	615.0	1,899.3	215.12	0.0578

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IEC Standards AACSR Conductor

IEC Standards IEC61089 STANDARD

New Code	Stranding& Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance
	Aluminum	Steel		Aluminum	Steel	Total			
	mm	mm	mm	mm²	mm²	mm²	kg/km	kN	Ohm/km
500	45/4.04	7/2.69	32.30	575.0	39.80	615.0	1,899.3	215.12	0.0578
500	54/3.68	7/3.68	33.20	575.0	74.60	650.0	2172.9	251.82	0.0578
560	45/4.27	7/2.85	34.20	645.0	44.60	690.0	2,127.2	240.93	0.0516
560	54/3.09	19/2.34	35.10	645.0	81.60	727.0	2,420.9	283.21	0.0516
630	72/3.58	7/2.39	35.80	725.0	31.30	756.0	2,248.0	249.62	0.0459
630	54/4.13	19/2.48	47.20	725.0	91.80	817.0	2,723.5	318.61	0.0459
710	72/3.80	7/2.53	38.00	817.0	35.30	852.0	2,533.4	281.32	0.0407
710	54/4.39	19/2.63	39.50	817.0	104.0	921.0	3,069.4	359.06	0.0407
800	72/4.04	7/2.69	40.40	921.0	39.80	961.0	2,854.6	316.98	0.0361
800	84/3.74	7/3.74	41.10	921.0	76.70	998.0	3,145.1	356.03	0.0361
900	72/4.28	7/2.85	42.80	1,036.0	44.80	1,081.0	3,211.4	356.60	0.0321
900	84/3.96	7/3.96	43.60	1,036.0	86.30	1,122.0	3,538.3	400.53	0.0322
1.000	84/4.28	19/2.51	45.90	1,151.0	93.70	1,245.0	3,916.8	446.37	0.0289
1.120	84/4.42	19/2.65	48.60	1,289.0	105.00	1,394.0	4,386.8	449.93	0.0258

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SOUTH CABLE

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APPLICATION

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STANDARDS

American Standards ASTM B711

CONSTRUCTION

Conductor
Aluminum Alloy Wires, concentrically stranded over a central wire/core of Galvanized steel.

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Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load
Aluminum	Steel		Aluminum	Steel	Total		
mm	mm	mm	mm²	mm²	mm²	kg/km	kN
26/2.62	7/2.04	16.6	140	23	163	565	75.0
30/2.44	7/2.44	17.1	140	33	173	643	87.4
26/2.80	7/2.18	17.7	160	26	186	646	85.6
30/2.61	7/2.61	18.3	160	38	198	736	106.0
26/2.97	7/2.31	18.8	180	29	209	731	95.1
30/2.76	7/2.76	19.3	180	42	222	823	112.0
26/3.13	7/2.43	19.8	200	32	232	805	106.0
30/2.91	7/2.91	24.4	200	47	247	915	124.0
26/3.31	7/2.57	21.0	224	36	260	901	118.0
30/3.00	7/3.00	21.6	224	52	276	1025	139.0
26/3.50	7/2.72	22.2	250	41	291	1008	129.0
30/3.26	7/3.26	22.8	250	58	308	1149	156.0
26/3.70	7/2.88	23.4	280	46	326	1127	144.0
30/3.45	7/3.45	24.2	280	65	345	1286	171.0
26/3.93	7/3.06	24.9	315	52	367	1272	163.0
30/3.66	19/2.20	25.6	315	72	387	1438	190.0
26/4.17	7/3.24	26.4	355	58	413	1430	183.0
30/3.88	19/2.33	27.2	355	81	436	1614	211.0
26/4.43	7/3.45	28.1	400	65	465	1616	207.0
30/4.12	19/2.47	28.8	400	91	491	1818	237.0
54/3.26	19/1.96	29.5	450	59	509	1706	215.0
54/3.43	19/2.06	30.9	500	63	563	1878	229.0
54/3.63	19/2.18	32.7	560	71	631	2104	257.0
54/3.85	19/2.31	34.6	630	80	710	2365	286.0
54/4.09	19/2.45	36.8	710	90	800	2664	322.0
54/4.34	19/2.60	39.0	800	101	901	3003	363.0
84/3.69	19/2.21	40.6	900	73	973	3060	355.0
84/3.89	19/2.33	42.8	1000	81	1081	3400	391.0
84/4.12	19/2.47	45.3	1120	91	1211	3816	439.0
84/4.35	19/2.61	47.8	1250	102	1352	4255	490.0

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APPLICATION

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STANDARDS

British Standards BS EN 50182(OLD STANDARD BS 215,Part2:1970)

CONSTRUCTION

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British Standards AACSR Conductor

British Standards BS EN 50182(OLD STANDARD BS 215,Part2:1970)

New Code	Old Code	Stranding& Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance
		Aluminum	Steel		Aluminum	Steel	Total			
		mm	mm	mm	mm^2	mm^2	mm^2	kg/km	kN	Ohm/km
183-AL5/43-STIA	KEZIAH	30*2.79	7*2.79	19.5	183.4	42.8	226.2	841.6	102.89	0.1740

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German Standards ACSR Conductor

APPLICATION

ACSR is a concentrically stranded conductor composed of one or more layers of Aluminium alloy wire stranded over a high-strength zinc coated (galvanized) steel core.

STANDARDS

German Standards DIN 50182(OLD STAND DIN 48204-APR 1984)

CONSTRUCTION

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New Code	Old Code	Stranding& Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
		Aluminum	Steel		Aluminum	Steel	Total				
		mm	mm	mm	mm²	mm²	mm²	kg/km	kN	Ohm/km	A
15-AL1/3-ST1A	16/2.5	6/1.80	1/1.80	15.3	2.5	17.9	5.4	62	5.81	1.8793	105
24-AL1/4-ST1A	25/4	6/2.25	1/2.25	23.8	4	27.8	6.8	96	9.02	1.2028	140
34-AL1/6-ST1A	35/6	6/2.70	1/2.70	34.3	5.7	40	8.1	139	12.7	0.8353	170
44-AL1/32-ST1A	44/32	14/2.00	7/2.40	44	31.7	75.7	11.2	369	45.46	0.6573	-
48-AL1/8-ST1A	50/8	6/3.20	1/3.20	48.3	8	56.3	9.6	195	17.18	0.5946	210
51-AL1/30-ST1A	50/30	12/2.33	7/2.33	51.2	29.8	81	11.7	375	44.28	0.5644	-
394-AL1/15-ST1A	95/15	26/2.15	7/1.67	94.4	15.3	110	13.6	381	35.17	0.3058	350
97-AL1/56-ST1A	95/55	12/3.20	7/3.20	96.5	56.3	153	16	707	80.2	0.2992	-
106-AL1/76-ST1A	105/75	14/3.10	19/2.25	105.7	75.5	182	17.5	885	106.69	0.2736	-
122AL1/20-ST1A	120/20	26/2.44	7/1.90	121.6	19.8	141	15.5	491	44.94	0.2374	410
122-AL1/71-ST1A	120/70	12/3.60	7/3.60	122	71.3	193	18	895	98.16	0.2364	-
128-AL1/30-ST1A	125/30	30/2.33	7/2.33	127.9	29.8	158	16.1	587	57.86	0.2259	425
149-AL1/24-ST1A	150/25	26/2.70	7/2.10	148.9	24.2	173	17.1	601	54.37	0.1939	470
172-AL1/40-ST1A	170/40	30/2.70	7/2.70	171.8	40.1	212	18.9	788	77.01	0.1682	520
184-AL1/30-ST1A	185/30	26/3.00	7/2.33	183.8	29.8	214	19	741	66.28	0.1571	535
209-AL1/34-ST1A	210/35	26/3.20	7/2.49	209.1	34.1	243	20.3	844	74.94	0.138	590
212-AL1/49-ST1A	210/50	30/3.00	7/3.00	212.1	49.5	262	21.3	973	92.25	0.1363	610
231-AL1/30-ST1A	230/30	24/3.50	7/2.33	230.9	29.8	261	21	871	73.09	0.1249	630
243-AL1/39-ST1A	240/40	26/3.45	7/2.68	243	39.5	283	21.9	980	86.46	0.1188	645
264-AL1/34-ST1A	265/35	24/3.74	7/2.49	263.7	34.1	298	22.4	994	82.94	0.1094	680

German Standards ACSR Conductor

SOUTH CABLE

German Standards DIN 50182(OLD STAND DIN 48204-APR 1984)

New Code	Old Code	Stranding& Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
		Aluminum	Steel		Aluminum	Steel	Total				
		mm	mm	mm	mm²	mm²	mm²	kg/km	kN	Ohm/km	A
304-AL1/47-ST1A	300/50	26/3.86	7/3.00	24.5	304.3	49.5	354	1227	105.09	0.0949	740
305-AL1/39-ST1A	305/40	54/2.68	7/2.68	24.1	304.6	39.5	344	1151	99.3	0.0949	740
339-AL1/30-ST1A	340/30	48/3.00	7/2.33	25.2	339.3	29.8	369	1171	92.56	0.0851	790
382-AL1/49-ST1A	380/50	54/3.00	7/3.00	27	382	49.5	432	1443	120.91	0.0757	840
386-AL1/34-ST1A	385/35	48/3.20	7/2.49	26.7	386	34.1	420	1334	104.31	0.0748	850
434-AL1/56-ST1A	435/55	54/3.20	7/3.20	28.8	434.3	56.3	491	1641	136.27	0.0666	900
449-AL1/39-ST1A	450/40	48/3.45	7/2.68	28.7	448.7	39.5	488	1549	120.19	0.0644	920
490-AL1/64-ST1A	490/65	54/3.40	7/3.40	30.6	490.3	63.6	554	1853	152.85	0.059	960
494-AL1/34-ST1A	495/35	45/3.74	7/2.49	29.9	494.4	34.1	528.4	1632	117.96	0.0584	985
511-AL1/45-ST1A	510/45	48/3.68	7/2.87	30.7	210.15	45.3	555.8	1765	133.31	0.0566	995
550-AL1/71-ST1A	550/70	54/3.60	7/3.60	32.4	550	71.3	621	2077	166.32	0.0526	1020
562-AL1/49-ST1A	560/50	48/3.68	7/3.00	32.2	561.7	49.5	611	1940	146.28	0.0514	1040
571-AL1/39-ST1A	570/40	45/4.02	7/2.68	32.2	571.2	39.5	610.6	1887	136.4	0.0506	1050
653-AL1/45-ST1A	650/45	45/4.30	7/2.87	34.4	653.5	45.3	698.8	2160	156.18	0.0442	1120
679-AL1/86-ST1A	680/85	54/4.00	19/2.40	36.12	578.8	86	765	2550	206.56	0.0426	1120
1046-AL1/45-ST1A	1045/45	72/4.30	7/2.87	43	1045.6	45.3	1010	3248	218.92	0.0277	1580

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French Standards ACSR Conductor

APPLICATION

AACSR is a concentrically stranded conductor composed of one or more layers of Aluminium-Magnesium-Silicon alloy wire stranded over a high-strength zinc coated (galvanized) steel core. AACSR Conductors have approx.40% to 60% more strength than comparable standard ACSR with only 8 to 10% decrease in conductivity.

STANDARDS

French Standards EN 50182(OLD STANDARD NFC34-120:1976

CONSTRUCTION

Conductor

Aluminum Alloy Wires, concentrically stranded over a central wire/core of Galvanized steel.

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SUSTAINABILITY COMMITMEN

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SOUTH CABLE

French Standards ACSR Conductor

German Standards DIN 50182(OLD STAND DIN 48204-APR 1984)

Code Word	Old Code	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Outer Layer Direction
		Aluminum	Steel		Aluminum	Steel	Total				
		mm	mm	mm	mm²	mm²	mm²	Kg/km	KN	Ohm/km	A
28-AL1/9-ST1A	CANNA37,7	9/2.00	3/2.00	830	283	942	377	152	1,626	10,187	s
38-AL1/22-ST1A	CANNA59,7	12/2.00	7/2.00	100	377	220	597	276	3,270	7,660	s
48-AL1/28-ST1A	CANNA75,5	12/2.25	7/2.25	113	477	278	755	350	4,115	6,052	s
59-AL1/34-ST1A	CANNA93,3	12/2.50	7/2.50	125	589	344	9,334	431	4,948	4,902	s
94-AL1/22-ST¹A	CANNA116,2	30/2.00	7/2.00	140	942	220	1,162	433	4,317	3,067	s
119-AL1/28-ST1A	CANNA147,1	30/2.25	7/2.25	158	1,193	278	1,741	547	5,403	2,423	s
147-AL1/34-ST1A	CANNA1181,6	30/2.50	7/2.50	175	1,473	344	1,816	676	6,494	1,963	s
185-AL1/43-ST1A	CANNA 228	30/2.80	7/2.80	196	1,847	431	2,278	848	8,054	1,565	s
234-AL1/55-ST1A	CANNA228	30/3.15	7/3.15	221	2,338	546	2,883	1073	9,858	1,236	s

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STANDARDS

IEC Standards IEC61089:1997

CONSTRUCTION

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German Standards ACSR Conductor

SOUTH CABLE

IEC Standards IEC61089:1997

Code Word	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance
	Aluminum	Steel		Aluminum	Steel	Total			
	mm	mm	mm	mm²	mm²	mm²	Kg/km	KN	Ohm/km
16	6/1.81	1/1.81	5.43	15	2.56	17.9	59.0	5.91	1.7923
25	6/2.26	1/2.26	6.78	24	4.00	28	92.1	9.00	1.1471
40	6/2.85	1/2.85	8.55	38	6.40	44.8	147.4	14.21	0.7169
63	6/3.58	1/3.58	10.7	60	10.08	70.6	232.2	21.17	0.4552
100	6/4.51	1/4.51	13.5	96	16.00	112	368.6	21.84	0.2868
125	18/2.95	1/2.95	14.8	123	6.85	130	384.3	29.18	0.2304
125	26/2.43	7/1.89	15.4	120	19.6	140	460.8	44.49	0.2308
160	18/3.34	1/3.34	16.7	158	8.77	167	491.9	36.38	0.1800
160	26/2.74	7/2.13	17.4	154	25.0	179	589.9	56.18	0.1803
200	18/3.74	1/3.74	18.7	197	10.96	208	614.9	43.62	0.1440
200	26/3.07	7/2.39	19.4	192	31.3	223	737.2	69.27	0.1443
250	22/3.76	7/2.09	21.3	244	24.0	268	830.9	67.80	0.1153
250	26/3.43	7/2.67	21.7	240	39.1	279	921.5	86.58	0.1154
315	45/2.96	7/1.97	23.7	310	21.4	331	996.4	78.33	0.0917
315	26/3.85	7/3.02	24.4	303	49.3	352	1161.1	107.58	0.0916
400	45/3.34	7/2.22	26.7	393	27.2	420	1265.3	97.50	0.0722
400	54/3.02	7/3.02	27.2	387	50.2	438	1402.9	124.20	0.0723
450	45/3.54	7/2.36	28.3	442	30.6	473	1423.4	107.48	0.0642
450	54/3.21	7/3.21	28.9	436	56.5	492	1578.2	139.72	0.0642
500	45/3.73	7/2.49	29.8	492	34.0	525	1581.6	119.42	0.0578

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IEC Standards IEC61089:1997

Code Word	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance
	Aluminum	Steel		Aluminum	Steel	Total			
	mm	mm	mm	mm²	mm²	mm²	Kg/km	KN	Ohm/km
500	54/3.38	7/3.38	30.4	484	62.8	547	1753.6	153.99	0.0578
560	45/3.95	7/2.63	31.6	550	38.1	589	1771.4	133.75	0.0516
560	54/3.58	19/2.15	32.2	543	68.8	612	1956.3	169.36	0.0516
630	45/4.19	7/2.79	33.5	619	42.8	662	1992.8	150.47	0.0458
630	54/3.79	19/2.28	34.2	611	77.3	688	2200.9	190.52	0.0459
710	45/4.44	7/2.96	35.6	698	48.3	746	2245.8	169.57	0.0407
710	54/4.03	19/2.42	36.3	688	87.2	775	2480.3	214.72	0.0407
800	72/3.74	7/2.49	37.4	791	34.2	826	2412.8	167.67	0.0361
800	84/3.45	7/3.45	37.9	784	65.3	849	2598.9	206.37	0.0362
800	54/4.28	19/2.57	38.5	775	98.2	874	2794.7	241.94	0.0361
900	72/3.97	7/2.65	39.7	890	38.5	929	2714.4	188.63	0.0321
900	84/3.66	7/3.66	40.2	882	73.5	955	2923.8	224.82	0.0321
1000	72/4.18	7/2.79	41.8	989	42.7	1032	3016.0	209.59	0.0289
1120	71/4.43	19/1.77	44.33	1108	46.8	1155	3372.6	233.48	0.0258
1120	84/4.08	19/2.45	46.8	1098	89.4	1187	3628.4	282.88	0.0258
1250	72/4.68	19/1.87	46.8	1237	52.5	1289	3764.1	260.58	0.0231
1250	84/4.31	19/2.59	47.4	1225	99.8	1325	4049.5	315.72	0.0231

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Canadian Standards ACSR Conductor

APPLICATION

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STANDARDS

Canadian Standards CSA C49-1965

CONSTRUCTION

Conductor
Aluminum Alloy Wires, concentrically stranded over a central wire/core of Galvanized steel.

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Canadian Standards CSA C49 -1965

Code Word	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminum	Steel		Aluminum	Steel	Total				
	mm	mm	mm	mm²	mm²	mm²	Kg/km	KN	Ohm/km	A
Wren	6/1.33	1/1.33	3.99	8.39	1.42	9.81	34	3.3	3.4226	63
Warbler	6/1.50	1/1.50	4.5	10.59	1.34	11.93	43	4.2	2.7139	67
Turkey	6/1.68	1/1.68	5.04	13.29	2.19	15.48	54	5.2	2.1535	86
Thrush	6/1.89	1/1.89	5.67	16.77	2.77	19.54	68	6.5	1.7077	93
Swan	6/2.12	1/2.12	6.36	21.16	3.55	24.71	85	8.2	1.3537	109
Swallow	6/2.38	1/2.38	7.14	26.65	4.45	21.09	108	10.0	1.0738	126
Sparrow	6/2.67	1/2.67	8.01	33.61	5.61	39.22	136	12.4	0.8504	140
Robin	6/3.00	1/3.00	9	42.39	7.1	49.49	171	15.5	0.6752	162
Raven	6/3.37	1/3.37	10.11	53.48	8.9	62.38	215	19.0	0.5351	186
Quail	6/3.78	1/3.78	11.34	67.42	11.23	78.65	273	10.8	0.4245	211
Pigeon	6/4.25	1/4.25	12.75	85.03	14.19	99.22	343	29.7	0.3366	241
Penguin	6/4.77	1/4.77	14.31	107.23	17.87	125.1	433	37.5	0.2671	276
Owl	6/5.36	7/1.74	16.09	135.16	17.55	152.7	508	42.5	0.2119	322
Waxwing	18/3.09	1/3.09	15.15	135.16	7.48	142.6	430	31.5	0.2126	319
Partridge	26/2.57	7/2.00	16.28	135.16	22	157.2	545	50.01	0.2136	321
Phoebe	18/3.28	1/3.28	16.4	152	8.45	160.5	483	35.5	0.1893	341
Ostrich	26/2.73	7/2.12	17.28	152	24.71	176.7	613	56.2	0.19	343
Piper	30/2.54	7/2.54	17.78	152	35.48	187.5	697	68.6	0.1903	348
Merlin	18/3.47	1/3.47	17.35	170.45	9.48	179.9	543	39.8	0.1686	364
Linnet	26/2.89	7/2.25	18.31	170.45	27.81	198.3	687	62.5	0.1696	368

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Canadian Standards CSA C49 -1965

Code Word	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminum	Steel		Aluminum	Steel	Total				
	mm	mm	mm	mm²	mm²	mm²	Kg/km	KN	Ohm/km	A
Oriole	30/2.69	7/2.69	18.83	170.45	39.81	210.3	783	75.8	0.1696	370
Chickadee	18/3.77	1/3.77	18.85	201.42	11.16	212.6	641	46.3	0.143	402
Ibis	26/3.44	7/2.44	19.88	201.42	32.77	234.2	813	72.0	0.1434	404
Lark	30/2.92	7/2.92	20.44	201.42	46.97	248.4	923	88.8	0.1437	410
Pelican	18/4.14	1/4.14	20.7	241.68	13.42	255.1	769	54.8	0.1191	449
	22/3.74	7/2.08	21.2	241.68	23.74	265.4	853	68.3	0.1194	452
Hawk	26/3.44	7/2.67	21.77	241.68	39.42	281.1	975	86.5	0.1194	450
Hen	30/3.20	7/3.20	22.4	241.68	56.39	298.1	1108	103.9	0.1198	453
Heron	30/3.28	7/3.28	22.96	253.35	59.1	312.5	1162	108.8	0.1142	469
	22/4.04	7/2.24	22.88	282	27.68	309.7	993	79.1	0.1024	496
Dove	26/3.72	7/2.89	23.55	282	45.94	327.9	1137	99.9	0.1024	495
Eagle	30/3.46	7/3.46	24.22	282	65.81	347.8	1293	121.2	0.1027	497
	22/4.21	7/2.34	23.86	306.58	30.07	336.7	1080	84.9	0.0942	519
Duck	54/2.69	7/2.69	24.21	306.58	39.81	346.4	1159	100.1	0.0945	520
	22/4.32	7/2.40	24.48	322.26	31.61	353.9	1135	84.8	0.0896	532
Grosbeak	26/3.97	7/3.09	25.15	322.26	52.45	374.7	1299	111.2	0.0896	530
Egrett	30/3.70	19/2.22	25.9	322.26	73.55	395.8	1467	140.6	0.0896	542
Goose	54/2.76	7/2.76	24.84	322.26	41.74	364	1217	105.2	0.0899	534
	42/3.20	7/1.78	25.54	337.74	17.35	355.1	1068	78.6	0.0856	546
Gull	54/2.82	7/2.82	25.38	337.74	43.81	381.6	1277	109.2	0.0856	553
Starling	26/4.21	7/3.28	26.68	362.58	59.03	421.6	1462	125.0	0.0797	575

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	Aluminum	Steel		Aluminum	Steel	Total				
	mm	mm	mm	mm²	mm²	mm²	Kg/km	KN	Ohm/km	A
Redwing	30/3.92	19/2.35	27.43	362.58	82.58	445.2	1648	153.9	0.0797	581
	42/3.31	7/1.84	25.38	362.58	18.65	381.2	1148	84.3	0.0797	573
Crow	54/2.92	7/2.92	26.28	362.58	46.97	409.6	1369	117.2	0.0797	577
Drake	26/4.44	7/3.45	28.11	402.84	65.61	468.5	1624	139	0.0715	611
Mallard	30/4.14	19/2.48	28.96	402.8	91.84	494.7	1832	171.0	0.0719	618
	42/3.50	7/1.94	26.82	402.8	20.71	423.6	1274	93.6	0.0719	610
Condore	54/3.08	7/3.08	27.72	402.8	52.19	455	1521	127.0	0.0719	615
	42/3.67	7/2.04	27.41	443.1	22.84	465.9	1402	102	0.0653	645
Crane	54/3.23	7/3.23	29.07	443.1	57.48	500.7	1674	133	0.0653	649
	42/3.72	7/2.07	28.53	456.1	23.42	479.5	1442	105	0.0633	655
Canary	54/3.28	7/3.28	29.52	456.1	59.1	515.2	1724	144	0.0633	660
	42/3.38	7/2.13	29.87	483.4	24.84	508.3	1528	109.0	0.0597	678
Cardinal	54/3.38	7/3.38	30.42	483.4	62.65	546.1	1826	152	0.0597	682
	42/3.99	7/2.21	30.57	523.7	26.97	550.7	1657	118	0.0551	710
Curlew	54/3.51	7/3.51	31.59	523.7	67.87	591.6	1978	165	0.0551	715
	42/4.41	7/2.30	31.74	563.9	28.97	592.9	1783	126	0.0512	741
Finch	54/3.65	19/2.19	32.85	563.9	71.55	636.8	2121	179	0.0512	746
	42/4.28	7/2.38	32.82	604.3	31.1	635.4	1911	135	0.0479	772
Grackle	54/3.77	19/2.27	33.97	604.26	76.58	380.8	2271	192	0.0479	776
	42/4.42	7/2.46	33.9	644.51	33.16	677.7	2039	144	0.0449	800
Pheasant	54/3.90	19/2.34	35.1	644.51	81.68	726.2	2421	199	0.0449	805

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Canadian Standards ACSR Conductor

SOUTH CABLE

Canadian Standards CSA C49 -1965

Code Word	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminum	Steel		Aluminum	Steel	Total				
	mm	mm	mm	mm²	mm²	mm²	Kg/km	KN	Ohm/km	A
	42/4.56	7/2.53	34.95	684.84	35.23	720.1	2166	153	0.0423	829
Martin	54/4.02	19/2.41	36.17	684.84	86.71	771.6	2573	212	0.0423	835
-	42/4.69	7/2.61	35.97	725.1	37.35	762.5	2294	162	0.0397	858
Plover	54/4.14	19/2.48	37.24	725.1	91.87	817	2725	224	0.04	862
	42/4.82	7/2.67	36.93	765.35	39.35	804.7	2420	171	0.0377	885
Parrot	54/4.25	19/2.55	38.25	765.4	96.84	862.2	2877	237	0.0377	890
	48/4.36	7/3.60	38.58	805.7	71.1	876.2	2779	212	0.0358	929
Falcon	54/4.36	19/2.62	39.26	805.7	102.1	907.8	3028	250	0.0358	917
	72/3.77	7/2.52	37.27	805.7	34.84	840.5	2498	176	0.0358	910
Bantam	3/1.68	4/1.68	5.04	6.65	8.84	15.49	87.80	11.7	4.3218	61
Magpie	3/2.12	4/2.12	6.36	10.58	14.13	24.71	139.70	18.6	2.7077	77
Shrike	3/2.67	4/2.67	8.01	10.84	22.45	39.29	222.60	28.6	1.7054	99
Snipe	3/3.37	4/3.37	10.11	26.17	35.68	62.45	354.10	43.9	1.0718	132
Loon	3/3.78	4/3.78	11.34	33.68	44.97	78.65	445.80	55.3	0.8514	149
Grouse	8/2.54	1/4.24	9.32	40.52	14.13	54.65	221.20	23.1	0.7077	157
Petrel	12/2.34	7/2.34	11.7	51.61	30.01	81.67	376.90	43.8	0.5591	193
Minorca	12/2.44	7/2.44	12.2	56.13	32.77	88.9	311.30	47.7	0.5134	198
Leghorn	12/2.69	7/2.69	13.45	68.19	39.81	108	498.50	57.5	0.4226	221
Guinea	12/2.92	7/2.92	14.6	80.68	46.97	127.6	587.80	67.6	0.3579	244
Dotterell	12/3.08	7/3.08	15.4	89.48	52.19	191.7	654.80	73.0	0.3215	260
Dorking	12/3.20	7/3.20	16	96.71	56.39	153.1	706.90	78.9	0.2982	271

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Canadian Standards CSA C49 -1965

Code Word	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminum	Steel		Aluminum	Steel	Total				
	mm	mm	mm	mm²	mm²	mm²	Kg/km	KN	Ohm/km	A
Brahma	16/2.86	19/2.48	18.12	102.97	91.87	194.8	1004.9	122.5	0.2815	287
Auk	8/4.05	7/2.25	14.83	102.84	92.32	195.2	500.00	49.6	0.2789	276
Cochin	12/3.37	7/3.37	16.85	107.1	62.45	169.6	782.8	87.4	0.2694	288

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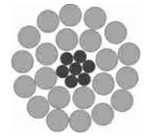
American Standards ACSR Conductor



APPLICATION

AACSR is a concentrically stranded conductor composed of one or more layers of Aluminium-Magnesium-Silicon alloy wire stranded over a high-strength zinc coated (galvanized) steel core. AACSR Conductors have approx.40% to 60% more strength than comparable standard ACSR with only 8 to 10% decrease in conductivity.

STANDARDS

American Standards ASTM B231/B231M-99

CONSTRUCTION

Conductor
Aluminum Alloy Wires, concentrically stranded over a central wire/core of Galvanized steel.

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 COMMITMEN

South Cable actively implements the "carbon reduction"goal, strives to promote the green's low-carbon transformation,strengthens energy-saving and emission reduction technologyinnovation, and promotes the company's healthy and sustain-able development.

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American Standards ACSR Conductor

American Standards ASTM B231/B231M -99

New Code	Stranding& Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminum	Steel		Aluminum	Steel	Total				
	mm	mm	mm	mm²	mm²	mm²	kg/km	kN	Ohm/km	A
Turkey	6/1.68	1/1.68	5.04	13.29	2.21	15.5	53.6	5.2	2.15700	105
Swan	6/2.21	1/2.12	6.36	21.16	3.55	24.71	85.3	8.3	1.35600	140
Swanate	7/1.96	1/2.61	6.53	21.16	5.35	26.51	99.6	10.5	1.35600	140
Sparrow	6/2.67	1/2.67	8.01	33.61	5.61	39.22	135.7	12.7	0.85300	184
Sparate	7/2.47	1/3.30	8.24	33.61	8.52	42.13	158.7	16.1	0.85300	184
Robin	6/3.00	1/3.00	9	42.39	7.1	49.49	171.1	15.8	0.67650	212
Raven	6/3.37	1/3.37	10.11	53.48	8.9	62.38	216.1	19.4	0.53640	242
Quail	6/3.78	1/3.78	11.34	67.42	11.23	78.65	272.0	23.6	0.42550	276
Pigeon	6/4.25	1/4.25	12.75	85.03	14.19	99.22	343.0	29.5	0.33730	315
Penguin	6/4.77	1/4.77	14.31	107.23	17.87	125.1	432.7	37.1	0.26760	357
Waxwing	18/3.09	1/3.09	15.45	135.16	7.48	142.64	430.2	30.6	0.21330	449
Partridge	26/2.57	7/2.00	16.28	135.16	22	157.16	545.9	50.3	0.21420	475
7Ostrich	26/2.73	7/2.12	17.28	152	24.77	176.77	613.4	56.5	0.19060	492
Merlin	18/2.89	1/2.25	18.29	118	3.97	121.99	542.8	38.63	0.17188	519
Linnet	26/2.89	7/2.25	18.31	170.45	27.74	198.19	687.5	62.7	0.16990	529
Oriole	30/2.69	7/2.69	18.83	170.45	39.81	210.26	783.3	77.0	0.17040	535
Chickdee	18/3.77	1/3.77	18.85	201.42	11.16	212.58	641.3	44.2	0.14320	576
Brant	24/3.27	7/2.18	19.61	201.42	26.13	227.53	761.0	64.9	0.14380	584
Ibis	26/3.14	7/2.44	19.88	201.42	32.77	234.19	812.4	72.5	0.14380	587
Lark	30/2.92	7/2.92	20.44	201.42	46.97	248.39	925.2	90.3	0.14420	594

American Standards ACSR Conductor

SOUTH CABLE

American Standards ASTM B231/B231M -99

New Code	Stranding& Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminum	Steel		Aluminum	Steel	Total				
	mm	mm	mm	mm²	mm²	mm²	kg/km	kN	Ohm/km	A
Pelican	18/4.14	1/4.14	20.7	241.68	13.42	255.1	769.7	52.5	0.11930	646
Flicker	24/3.58	7/2.39	21.49	241.68	31.29	272.97	913.5	76.1	0.11990	655
Hawk	26/3.44	7/2.68	21.8	241.68	39.35	281.03	975.1	86.7	0.11990	659
Hen	30/3.20	7/3.20	22.4	241.68	56.39	298.07	1110.3	105.9	0.12020	666
Osprey	18/4.47	1/4.47	22.35	282	15.68	297.68	897.7	60.9	0.10220	711
Parakeet	24/3.87	7/2.58	23.22	282	36.58	318.58	1065.6	88.1	0.10280	721
Dove	26/3.72	7/2.89	23.55	282	45.94	327.94	1138.6	100.5	0.10280	726
Eagle	30/3.46	7/3.46	24.21	282	65.81	347.81	1295.6	123.7	0.10300	734
Peacock	24/4.03	7/2.69	24.2	306.58	39.74	346.32	1158.9	95.6	0.09449	760
	26/3.87	7/3.01	24.51	306.58	49.94	365.52	1237.0	106.8	0.09449	765
Wood Duc	30/3.61	7/3.61	25.25	306.58	71.55	378.13	1408.4	128.5	0.09473	774
Teal	30/3.61	19/2.16	25.24	306.58	69.87	376.45	1396.6	133.4	0.09475	773
Kingbird	18/4.78	1/4.78	23.88	322.39	17.74	340.13	1026.6	68.8	0.89420	773
Swift	36/3.38	1/3.37	23.62	322.2	8.9	331.14	956.6	61.38	0.89751	769
Rook	24/4.14	7/2.76	24.84	322.26	41.81	364.07	1217.6	101	0.08989	784
Grosbeak	26/3.97	7/3.09	25.15	300.26	52.52	374.78	1300.8	112.1	0.08989	789
Scoter	30/3.70	7/3.70	25.88	322.26	75.22	397.48	1480.7	134.8	0.09011	798
Egret	30/3.70	19/2.22	25.9	322.26	7.48	395.74	1469	140.1	0.09012	798
Flamingo	24/4.23	7/2.82	25.4	337.74	43.81	381.55	1276.6	105.1	0.08516	807
Gannet	26/4.07	7/3.16	28.3	337.81	55.03	392.84	1363.3	117.4	0.08576	812

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New Code	Stranding& Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
	Aluminum	Steel		Aluminum	Steel	Total				
	mm	mm	mm	mm²	mm²	mm²	kg/km	kN	Ohm/km	A
Stilt	24/4.39	7/2.92	26.31	362.64	46.97	409.61	1370.4	113.4	0.07989	844
Starling	26/4.21	7/3.28	26.68	362.58	59.03	421.61	1463.7	126.3	0.07992	849
Redwing	30/3.92	19/2.35	27.43	362.58	82.64	445.22	1650.6	153.9	0.08009	859
Coot	36/3.77	1/3.77	26.39	401.9	11.2	413.1	1198	74.7	0.07397	884
Tern	45/3.38	7/2.25	27.03	402.84	27.87	430.71	1331.8	98.3	0.07192	887
Condor	54/3.08	7/3.08	27.72	402.84	52.19	455.03	1520.7	125.4	0.07192	889
Cuckoo	24/4.62	7/3.08	27.74	402.9	52.2	455.1	1522.2	124.1	0.0719	887
Drake	26/4.44	7/3.45	28.11	402.84	65.61	468.45	1626.4	140.1	0.07192	907
Mallard	30/4.14	19/2.48	28.96	402.84	91.87	494.71	1836	170.8	0.07208	918
Ruddy	45/3.59	7/2.40	28.73	455.81	31.54	487.35	1507.3	108.3	0.06365	958
Canary	54/3.28	7/3.28	29.52	456.06	59.1	515.16	1723.1	141.9	0.06352	961
Rail	45/3.70	7/2.47	29.61	483.42	33.42	516.84	1598.1	115.2	0.05994	993
Cardinal	54/3.38	7/3.38	30.42	483.42	62.62	546.07	1825.9	150.3	0.05994	996
Ortolan	45/3.85	7/2.57	30.81	523.68	36.19	559.87	1730.5	123.2	0.05531	1043
Curlew	54/3.52	7/3.52	31.68	523.68	67.87	591.55	1977.6	162.8	0.05531	1047
Bluejay	45/4.00	7/2.66	31.98	563.93	39.03	602.96	1866	132.6	0.05161	1092
Finch	54/3.65	19/2.19	32.85	563.93	71.48	635.41	2127.8	173.9	0.05161	1093
Bunting	45/4.14	7/2.76	33.12	604.26	41.55	645.81	1996.9	141.9	0.0482	1139
Grackle	54/3.77	19/2.27	33.97	604.26	76.52	680.78	2278.1	185.9	0.0482	1140
Bittern	45/4.27	7/2.85	34.17	644.1	44.52	688.62	2130.8	151.7	0.04518	1184

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	Aluminum	Steel		Aluminum	Steel	Total				
	mm	mm	mm	mm²	mm²	mm²	kg/km	kN	Ohm/km	A
Pheasant	54/3.90	19/2.34	35.1	644.51	81.68	726.19	2431.4	193.9	0.04518	1187
Dipper	45/4.40	7/2.92	35.16	685.16	47.1	732.26	2263	161	0.04259	1229
Martin	54/4.02	19/2.41	36.17	684.84	86.71	771.55	2581.7	205.9	0.04259	1232
Bobolink	45/4.53	7/3.02	36.24	725.16	50.32	775.48	2397.2	170.8	0.04016	1272
Plover	54/4.14	19/2.48	37.24	725.16	91.81	816.97	2734.9	218	0.04016	1275
Nuthatch	45/4.65	7/3.10	37.2	765.16	52.9	818.06	2529.6	178.4	0.03802	1313
Parrot	54/4.25	19/2.55	38.25	765.16	97.16	62.32	2883.7	230.4	0.03802	1318
Lapwing	45/4.77	7/3.18	38.16	805.8	55.48	864.28	2663.5	187.3	0.03612	1354
Falcon	54/4.36	19/2.62	39.26	805.8	102.32	908.12	3038.5	242.9	0.03612	1359
Chuckar	84/3.70	19/2.22	42.7	901.93	73.55	975.48	3083.1	228.2	0.03612	1453
Bluebird	84/4.07	19/2.44	44.76	1092.2895	88.8	1181.09	3736.1	268.7	0.02667	1623
Kiwi	72/4.41	7/2.94	44.1	1099.21	47.5	1146.7	3425.6	222	0.02667	1607

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APPLICATION

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STANDARDS

British Standards BS EN 50182

CONSTRUCTION

Conductor

Aluminum Alloy Wires, concentrically stranded over a central wire/core of Galvanized steel.

THE CABLE TEST

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British Standards ACSR Conductor

British Standards BS EN 50182

Code Word	Nominal Area	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance	Current Rating Capacity
		Aluminum	Steel		Aluminum	Steel	Total				
	mm²	mm	mm	mm	mm²	mm²	mm²	Kg/km	KN	Ohm/km	A
Mole		6/1.50	1/1.50	4.50	10.6	1.77	12.4	42.8	4.17	2.7027	67
Squirrel	-	6./2.11	1/2.11	6.33	21.0	3.50	24.5	84.7	7.87	1.3659	109
Gopher	25	6/2.36	1/2.36	7.08	26.24	4.38	30.62	106	9.61	1.0930	126
Weasel	30	6/2.59	1/2.59	7.77	31.61	5.27	36.88	128	11.45	0.9077	134
Fox		6/2.79	1/2.79	8.37	36.7	6.11	42.8	148.1	13.21	0.7512	147
Ferret	40	6/3.00	1/3.00	9.00	42.41	7.07	49.48	172	15.20	0.6766	161
Rabbit	50	6/3.35	1/3.35	10.05	52.88	8.82	61.70	214	18.35	0.5426	185
Mink		6/3.66	1/3.66	11.00	63.1	10.5	73.6	254.9	21.67	0.4540	174
Skunk	-	12/2.59	7/2.59	13.00	63.2	36.90	100.1	463.0	52.79	0.4568	246
Horse	70	12/2.79	7/2.79	13.95	73.37	42.93	116.2	538	61.20	0.3936	268
Beaver		6/3.99	1/3.99	12.00	75.0	12.50	87.5	302.9	25.76	0.3820	193
Racoon	-	6/4.10	1/4.10	12.30	78.8	13.10	92.4	318.3	27.06	0.3635	231
Otter		6/4.22	1/4.22	12.70	83.9	15.00	97.9	338.8	28.81	0.3415	240
Cat	-	6/4.50	1/4.50	13.50	95.4	15.90	111.3	385.3	32.76	0.3003	248
Hare		6/4.72	1/4.72	14.20	105.0	17.50	122.5	423.8	36.04	0.2730	273
Dog	100	6/4.72	7/1.57	14.15	105.00	13.50	118.5	394	32.72	0.2733	278
Tiger		30/2.36	7/2.36	16.50	131.0	30.60	161.8	602.2	57.87	0.2202	323
Coyote	-	26/2.54	7/1.91	15.90	131.7	20.10	151.8	520.7	45.86	0.2192	311
Cougar		18/3.05	1/3.05	15.30	131.5	7.31	138.8	418.8	29.74	0.2188	314
Woif	150	30/2.59	7/2.59	18.13	158.10	36.80	194.90	726	69.20	0.1828	355

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