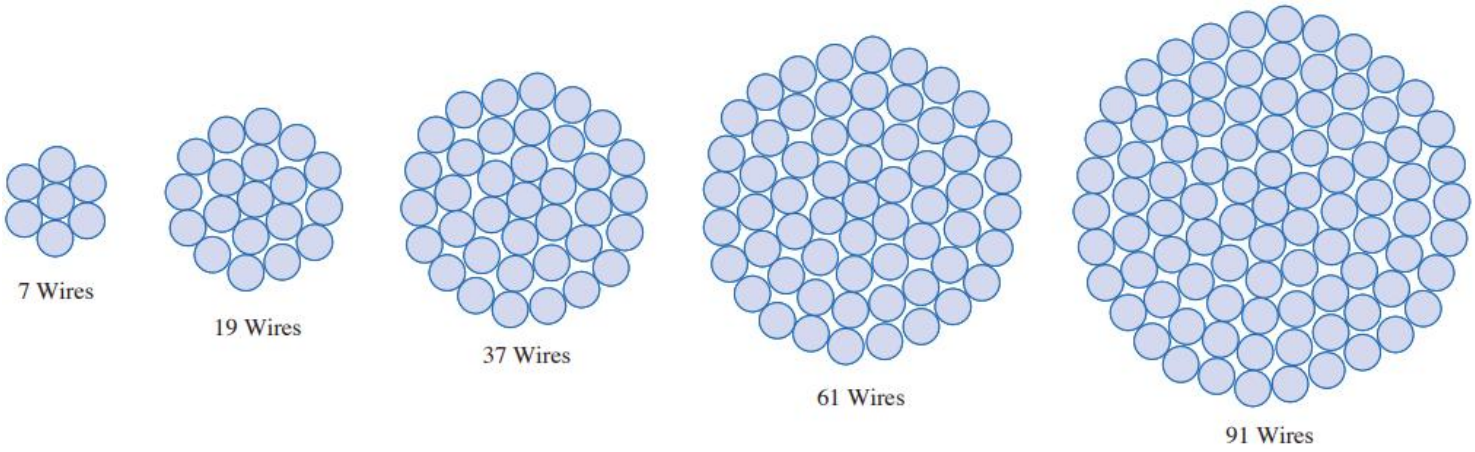
Application:

ACSR – The full name: Aluminum Conductor Steel Reinforced. Aluminum Conductor Steel Reinforced is used as bare overhead transmission cable and as primary and secondary distribution cable. This wire is suitable for use in all practical spans on wood poles, transmission towers, and other structures. Applications range from long, extra high voltage (EHV) transmission lines to sub-service spans at distribution or utilization voltages on private premises. ACSR offers optimal strength for line design. Variable steel core stranding for desired strength to be achieved without sacrificing ampacity.

ACSR (aluminum conductor steel reinforced) has a long service record because of its economy, dependability, and strength to weight ratio. The combined light weight and high conductivity of aluminum with strength of the steel core enables higher tensions, less sag, and longer spans than any alternative.



Conductor:

A solid or concentric stranded central steel core is surrounded by one or more layers of concentric stranded aluminum alloy 1350. The wire is protected from corrosion with a zinc coating.

The wire or wires which form the core, are made of galvanized steel and the external layer or layers, are of aluminium. Galvanized steel core consist normally of 1, 7 or 19 wires. The diameters of steel and aluminium wires can be the same, or different.

By varying the relative proportions of aluminium and steel, the required characteristics for any particular application can be reached. A higher U. T. S. Can be obtained, by increasing steel content, and a higher current carrying capacity by increasing aluminium content.

Standards:

1. American Standard&Canadian national standards-ASTM B 232/B 232M CSA C49
2. British Standards-BS 215-2 BS EN 50182
3. German Standards-DIN 48204
4. International Electrotechnical Commission International Standards-IEC 61089 A1/S1A A1/S2A A1/S3A
5. Japanese Industrial Standards-JIS C 3110
6. Russian National Standard-GOST 839-80
7. French Standard -NF C 34120
8. JIS C 3110

Parameter

ASTM B 232/B 232M CSA C49

Code	KCMIL OR AWG	Stranding		Stranding			Total Section Area	Weight	Breaking Load	Electrical Resistance @20o	Current Rating*
		AL	Steel	AL	Steel	O.D.					
		mm^2	mm^2	No.×mm	No.×mm	mm	mm^2	Kg/Km	KN	Ω/Km	A
Wren	8	8.37	1.39	6/1.33	1/1.33	3.99	9.76	33.8	3.29	3.43	48

Address: Technology Building, Tongbai Road, Zhongyuan District, Zhengzhou, Henan Province, China. Mob:+86-155 1596 3170 Web: www.uni-groundrod.com
E-mail: info@uni-groundrod.com

Warbler	7	10.55	1.77	6/1.50	1/1.50	4.5	12.32	42.8	4.14	2.72	60
Turkey	6	13.3	2.22	6/1.68	1/1.68	5.04	15.52	53.6	5.19	2.1499	76
Thrush	5	16.77	2.8	6/1.89	1/1.89	5.67	19.57	67.9	6.56	1.711	80
Swan	4	21.18	3.53	6/2.12	1/2.12	6.36	24.71	85.3	7.83	1.3501	101
Swallow	3	26.66	4.45	6/2.38	1/2.38	7.14	31.11	107.9	10	1.076	129
Swanate	4	21.12	5.35	7/1.96	1/2.61	6.53	26.47	99.6	9.79	1.3539	102
Sparrow	2	33.59	5.6	6/2.67	1/2.67	8.01	39.19	135.7	11.92	0.8512	135
Sparate	2	33.54	8.55	7/2.47	1/3.30	8.24	42.09	158.7	15.08	0.8525	135
Robin	1	42.41	7.07	6/3.00	1/3.00	9	49.48	171.1	14.86	0.6742	156
Raven	1/0	53.52	8.92	6/3.37	1/3.37	10.11	62.44	216.1	18.33	0.5343	180
Quail	2/0	67.33	11.22	6/3.78	1/3.78	11.34	78.55	272	22.46	0.4247	207
Pigeon	3/0	85.12	14.19	6/4.25	1/4.25	12.75	99.31	343	28.02	0.3359	239
Penguin	4/0	107.22	17.87	6/4.77	1/4.77	14.31	125.09	432.7	35.36	0.2667	275
Partridge	266.8	134.87	21.99	26/2.57	7/2.00	16.28	156.86	545.9	47.15	0.2141	316
Owl	266.8	135.2	17.6	6/5.36	7/1.79	16.09	152.8	509	42.3	0.2123	314
Waxwing	266.8	134.98	7.5	18/3.09	1/3.09	15.45	142.48	430.2	29.8	0.2129	313
Piper	300	152	35.5	30/2.54	7/2.54	17.78	187.5	698	67.8	0.1898	341
Ostrich	300	152.19	24.71	26/2.73	7/2.12	17.28	176.9	613.4	53.38	0.1897	341
Phoebe	300	152	8.5	18/3.28	1/3.28	16.4	160.5	485	35.2	0.1895	322
Merlin	336.4	170.22	9.46	18/3.47	1/3.47	17.35	179.68	542.8	37.36	0.1688	361
Linnet	336.4	170.55	27.83	26/2.89	7/2.25	18.31	198.38	687.5	59.16	0.1693	365

Oriole	336.4	170.5	39.78	30/2.69	7/2.69	18.83	210.28	783.3	72.06	0.1698	367
Chickadee	397.5	200.93	11.16	18/3.77	1/3.77	18.85	212.09	641.3	43.15	0.143	400
Brant	397.5	201.56	26.13	24/3.27	7/2.18	19.62	227.69	761	61.83	0.1433	403
Ibis	397.5	201.34	32.73	26/3.14	7/2.44	19.88	234.07	812.4	68.05	0.1434	404
Lark	397.5	200.9	46.88	30/2.92	7/2.92	20.44	247.78	925.2	84.07	0.1441	406
Pelican	477	242.31	13.46	18/4.14	1/4.14	20.7	255.77	769.7	51.15	0.1186	448
Flicker	477	241.58	31.4	24/3.58	7/2.39	21.49	272.98	913.5	72.06	0.1195	450
Hawk	477	241.65	39.19	26/3.44	7/2.67	21.77	280.84	975.1	81.84	0.1195	451
Hen	477	241.27	56.3	30/3.20	7/3.20	22.4	297.57	1110.6	98.3	0.12	453
Toucan	477	241.7	23.8	22/3.74	7/2.08	21.2	265.5	854	68.9	0.1193	421
Heron	500	253.4	59.1	30/3.28	7/3.28	22.96	312.5	1163	108	0.1139	441
Osprey	556.5	282.47	15.69	18/4.47	1/4.47	22.35	298.16	897.7	59.6	0.1017	492
Sapsucker	556.5	282	27.6	22/4.04	7/2.24	22.88	309.6	995	78.8	0.1023	494
Parakeet	556.5	282.31	36.6	24/3.87	7/2.58	23.22	318.91	1065.6	83.18	0.1023	495
Dove	556.5	282.59	45.92	26/3.72	7/2.89	23.55	328.51	1138.6	94.3	0.1022	497
Eagle	556.5	282.07	65.82	30/3.46	7/3.46	24.22	347.89	1295.6	114.76	0.1026	499
Peacock	605	306.13	39.78	24/4.03	7/2.69	24.19	345.91	1158.9	90.74	0.0943	520
Squab	605	305.83	49.81	26/3.87	7/3.01	24.51	355.64	1237	101.41	0.0944	521
Wood Duck	605	307.06	71.65	30/3.61	7/3.61	25.27	378.71	1408.4	121.43	0.0943	525
DUCK	605	306.6	39.7	54/2.69	7/2.69	24.21	346.3	1160	101	0.09435	524
Teal	605	307.06	69.62	30/3.61	19/2.16	25.24	376.68	1396.6	124.54	0.0943	525
Egret	636	322.3	73.5	30/3.70	19/2.22	25.9	395.8	1469	141	0.08955	532

Goose	636	322.3	41.8	54/2.76	7/2.76	24.84	364.1	1220	104	0.08975	532
Goldfinch	636	322.3	31.6	22/4.32	7/2.40	24.48	353.9	1138	89.3	0.08949	532
Kingbird	636	323.01	17.95	18/4.78	1/4.78	23.9	340.96	1026.6	68.05	0.089	533
Swift	636	323.02	8.97	36/3.38	1 /3.38	23.66	331.99	956.5	60.05	0.089	532
Rook	636	323.07	41.88	24/4.14	7/2.76	24.84	364.95	1217.5	95.19	0.0894	537
Grosbeak	636	321.84	52.49	26/3.97	7/3.09	25.15	374.33	1300.8	104.97	0.0897	537
Scoter	636	322.56	75.26	30/3.70	7/3.70	25.9	397.82	1480.7	127.66	0.0897	541
Egret	636	322.56	73.54	30/3.70	19/2.22	25.9	396.1	1469	130.77	0.0897	541
Flamingo	666.6	337.27	43.72	24/4.23	7/2.82	25.38	380.99	1276.6	99.64	0.0856	551
Gannet	666.6	338.26	54.9	26/4.07	7/3.16	25.76	393.16	1363.3	110.31	0.0854	553
Gull	666.6	337.8	43.7	54/2.82	7/2.82	25.38	337.8	1278	109	0.08563	536
–	666.6	337.8	17.4	42/3.20	7/1.78	24.54	337.8	10	7077.8	0.08552	536
Stilt	715.5	363.27	46.88	24/4.39	7/2.92	26.32	410.15	1370.4	107.2	0.0795	576
Starling	715.5	361.93	59.15	26/4.21	7/3.28	26.68	421.08	1463.7	118.32	0.0798	577
Redwing	715.5	362.06	82.41	30/3.92	19/2.35	27.43	444.47	1650.6	143.23	0.0799	580
Crow	715.5	362.6	46.8	54/2.92	7/2.92	26.28	362.6	1370	117	0.07978	548
–	715.5	362.6	18.6	42/3.32	7/1.84	25.44	409.4	1148	83.6	0.07968	548
Coot	795	401.86	11.16	36/3.77	1/3.77	26.39	413.02	1195.8	73.39	0.0715	607
Tern	795	403.77	27.83	45/3.38	7/2.25	27.03	431.6	1331.8	94.3	0.0715	610
Condor	795	402.33	52.15	54/3.08	7/3.08	27.72	454.48	1520.7	118.32	0.0718	612
Cuckoo	795	402.33	52.15	24/4.62	7/3.08	27.72	454.48	1522.2	117.43	0.0718	612

Drake	795	402.56	65.44	26/4.44	7/3.45	28.11	468	1626.4	131.66	0.0717	615
Macaw	795	402.8	20.7	42/3.49	7/1.94	26.76	423.5	1276	92.5	0.07171	617
Mallard	795	403.84	91.78	26/4.44	7/3.45	28.96	495.62	1836	159.24	0.0717	619
Crane	874.5	443.1	57.4	54/3.23	7/3.23	29.07	443.1	1676	138	0.06527	638
–	874.5	443.1	22.9	42/3.67	7/2.04	28.14	466	1404	102	0.06519	638
Ruddy	900	455.5	31.67	45/3.59	7/2.40	28.74	487.17	1507.3	104.53	0.0634	656
–	900	456	23.6	42/3.72	7/2.07	28.53	479.6	1554	105	0.06334	659
Canary	900	456.28	59.15	54/3.28	7/3.28	29.52	515.43	1723.1	134.33	0.0633	660
Catbird	954	484.61	13.46	36/4.14	1/4.14	28.98	498.07	1434.4	86.74	0.0593	679
Rail	954	483.84	33.54	45/3.70	7/2.47	29.61	517.38	1598.1	110.76	0.0597	680
Cardinal	954	484.53	62.81	54/3.38	7/3.38	30.42	547.34	1825.9	142.34	0.0596	685
Phoenix	954	483.4	24.9	42/3.83	7/2.13	29.37	508.3	1532	109	0.05976	683
Cardinal	954	484.53	62.81	54/3.38	7/3.38	30.42	547.34	1825.9	142.34	0.0596	685
Tanager		522.79	14.52	36/4.30	1/4.30	30.1	537.31	1553.5	93.85	0.055	710
Orotlan		523.87	36.31	45/3.85	7/2.57	30.81	560.18	1730.5	118.32	0.0551	713
Snowbird	1033.5	523.7	26.8	42/3.98	7/2.21	30.51	550.5	1658	118	0.05516	718
Curlew	1033.5	522.51	67.73	54/3.51	7/3.51	31.59	590.24	1977.6	153.9	0.0553	716
Bluejay		565.49	38.9	45/4.00	7/2.66	31.98	604.39	1866	127.66	0.0511	745
Beaumont	1113	564	128.8	42/4.13	7/2.29	31.65	692.8	1785	126	0.05122	747
Finch	1113	565.03	71.57	54/3.65	19/2.19	32.85	636.6	2127.8	164.58	0.0514	748
Bunting		605.76	41.88	45/4.14	7/2.76	33.12	647.64	1996.9	136.55	0.0477	776
–	1192.5	604.3	31.1	42/4.28	7/2.38	32.82	635.4	1915	135	0.04781	779

Grackle	1192.5	602.79	76.89	54/3.77	19/2.27	33.97	679.68	2278.1	176.59	0.0481	777
Skylark		646.02	17.95	36/4.78	1/4.78	33.46	663.97	1913.6	115.65	0.0445	804
Bittern		644.4	44.66	45/4.27	7/2.85	34.17	689.06	2130.8	145.89	0.0448	805
Pheasant	1272	645.08	81.71	54/3.90	19/2.34	35.1	726.79	2431.4	183.26	0.045	808
Scissortail	1272	644.5	33.3	42/4.42	7/2.46	33.9	677.8	2043	144	0.04482	786
Dipper		684.24	47.2	45/4.40	7/2.93	35.19	731.44	2263.2	154.79	0.0422	834
Martin	1351.5	685.39	86.67	54/4.02	19/2.41	36.17	772.06	2581.7	194.82	0.0423	838
–	1351.5	684.8	35.2	42/4.56	7/2.53	34.95	720	2169	153	0.04218	814
Bobolink		725.27	50.14	45/4.53	7/3.02	36.24	775.41	2397.2	164.13	0.0398	862
Plover	1431	726.92	91.78	54/4.14	19/2.48	37.24	818.7	2734.9	206.39	0.0399	866
–	1431	725.1	37.5	42/4.69	7/2.61	35.97	762.6	2298	162	0.03984	843
Nuthatch	1510.5	764.2	52.83	45/4.65	7/3.10	37.2	817.03	2529.6	171.25	0.0378	888
Parrot	1510.5	766.06	97.03	54/4.25	19/2.55	38.25	863.09	2883.7	217.51	0.0379	892
–	1510.5	765.4	39.5	42/4.82	7/2.68	36.96	804.9	2425	171	0.03774	868
Lapwing	1590	807.53	55.6	45/4.78	7/3.18	38.22	863.13	2663.5	180.14	0.0358	916
Falcon	1590	806.23	102.43	54/4.36	19/2.62	39.26	908.66	3038.5	229.52	0.036	919
–	1590	805.7	70.8	48/4.62	7/3.59	38.49	876.5	2783	211	0.03586	871
–	1590	805.7	34.6	72/3.77	7/2.51	37.69	840.3	2501	172	0.0359	871
Chukar		903.18	73.54	84/3.70	19/2.22	40.7	976.72	3083.1	217.51	0.0321	976
Bluebird		1092.84	88.84	84/4.07	19/2.44	44.76	1181.68	3731.9	256.65	0.0266	1083
Kiwi		1099.76	47.52	72/4.41	7/2.94	44.1	1147.28	3423.9	215.28	0.0264	1083

Thrasher		1171.42	63.94	76/4.43	19/2.07	45.79	1235.36	3754.2	243.75	0.0248	1122
High Strength Stranding											
Grouse**		40.54	14.12	8/2.54	1/4.24	9.32	54.66	221.4	21.75	0.7089	153
Petrel**		51.61	30.1	12/2.34	7/2.34	11.7	81.71	377.7	42.08	0.5595	181
Minorca**		56.11	32.73	12/2.44	7/2.44	12.2	88.84	411.1	45.81	0.5146	191
Leghorn**		68.2	39.78	12/2.69	7/2.69	13.45	107.98	499.2	55.16	0.4234	215
Guinea**		80.36	46.88	12/2.92	7/2.92	14.6	127.24	589.7	64.94	0.3593	238
Dotterel**		89.41	52.15	12/3.08	7/3.08	15.4	141.56	656.1	70.28	0.323	254
Dorking**		96.51	56.3	12/3.20	7/3.20	16	152.81	707.8	75.62	0.2992	267
Cochin**		107.04	62.44	12/3.37	7/3.37	16.85	169.48	783.9	84.07	0.2698	284
Brahma*&**		102.79	91.78	12/3.37	7/3.37	18.12	194.57	1003.8	114.76	0.2809	283

BS 215-2 BS EN 50182

Code Name	Area				Stranding		Approx. Overall Diameter	Weight			Nominal Breaking Load	D.C. Resistance at 20℃	Standard Length
	Nominal Alum.	Alum.	Steel	Total	Alum.	Steel		Alum.	Steel	Total			
	mm2	mm2	mm2	mm2	mm	mm	mm	kg/km	kg/km	kg/km	kN	ohm/km	m±5%
Mole	10	10.62	1.77	12.39	6/1.50	1/1.50	4.5	29	14	43	4.14	2.076	3000
Squirrel	20	20.94	3.49	24.43	6/2.11	1/2.11	6.33	58	27	85	7.88	1.368	3000
Gopher	25	26.25	4.37	30.62	6/2.36	1/2.36	7.08	72	34	106	9.61	1.093	2500
Weasel	30	31.61	5.27	36.88	6/2.59	1/2.59	7.77	87	41	128	11.45	0.9077	2000
Fox	35	36.66	6.11	42.77	6/2.79	1/2.79	8.37	101	48	149	13.2	0.7822	2000
Ferret	40	42.41	7.07	49.48	6/3.00	1/3.00	9	117	55	172	15.2	0.6766	2500
Rabbit	50	52.88	8.82	61.7	6/3.35	1/3.35	10.05	145	69	214	18.35	0.5426	2000
Mink	60	63.18	10.53	73.71	6/3.66	1/3.66	10.98	173	82	255	21.8	0.4545	3000
Skunk	60	63.27	36.93	100.3	12/2.59	7/2.59	12.95	175	290	465	53	0.4567	2500
Beaver	70	74.82	12.47	87.29	6/3.99	1/3.99	11.97	205	97	302	25.7	0.3825	2500
Horse	70	73.37	42.8	116.17	12/2.79	7/2.79	13.95	203	335	538	61.2	0.3936	2000
Racoon	75	79.2	13.2	92.4	6/4.10	1/4.10	12.3	217	103	320	27.2	0.3622	2500
Otter	80	83.88	13.98	97.86	6/4.22	1/4.22	12.66	230	109	339	28.8	0.3419	2500
Cat	90	95.4	15.9	111.3	6/4.50	1/4.50	13.5	262	124	386	32.7	0.3007	2000
Hare	100	105	17.5	122.5	6/4.72	1/4.72	14.16	288	137	425	36	0.2733	2000
Dog	100	105	13.5	118.5	6/4.72	7/1.57	14.15	288	106	394	32.7	0.2733	2000
Hyena	100	105.8	20.44	126.2	7/4.39	7/1.93	14.57	290	160	450	40.9	0.2712	2000
Leopard	125	131.3	16.8	148.1	6/5.28	7/1.75	15.81	360	132	492	40.7	0.2184	2000
Coyote	125	132.1	20.1	152.2	26/2.54	7/1.91	15.89	365	157	522	46.4	0.2187	2000
Cougar	125	130.3	7.25	137.5	18/3.05	1/3.05	15.25	362	57	419	29.8	0.2189	2000
Tiger	125	131.1	30.6	161.7	30/2.36	7/2.36	16.52	362	240	602	58	0.2202	2500
Wolf	150	158	36.9	194.9	30/2.59	7/2.59	18.13	437	289	726	69.2	0.1828	2000
Dingo	150	158.7	8.8	167.5	18/3.35	1/3.35	16.75	437	69	506	35.7	0.1815	3000

Lynx	175	183.4	42.8	226.2	30/2.79	7/2.79	19.53	507	335	842	79.8	0.1576	2000
Caracal	175	184.2	10.3	194.5	18/3.61	1/3.61	18.05	507	80	587	41.1	0.1563	2500
Panther	200	212	49.5	261.5	30/3.00	7/3.00	21	586	388	974	92.25	0.1363	2500
Lion	225	238.5	55.6	294.2	30/3.18	7/3.18	22.26	659	436	1095	109.6	0.1212	2000
Bear	250	264	61.6	325.6	30/3.35	7/3.35	23.45	730	483	1213	111.1	0.1093	2000
Goat	300	324.3	75.7	400	30/3.71	7/3.71	25.97	896	593	1489	135.7	0.0891	3000
Sheep	350	374.1	87.3	461.4	30/3.99	7/3.99	27.93	1034	684	1718	155.9	0.07704	2500
Antelope	350	373.1	48.4	421.5	54/2.97	7/2.97	26.73	1032	379	1411	118.2	0.07727	2500
Bison	350	381.8	49.5	431.3	54/3.00	7/3.00	27	1056	388	1444	120.9	0.07573	3000
Jaguar	200	210.6	11.7	222.3	18/3.86	1/3.86	19.3	580	91	671	46.55	0.1367	2000
Deer	400	429.3	100.2	529.5	30/4.27	7/4.27	29.89	1186	785	1971	178.5	0.06726	2500
Zebra	400	428.9	55.6	484.5	54/3.18	7/3.18	28.62	1186	435	1621	131.9	0.0674	2000
Elk	450	477	111.3	588.3	30/4.50	7/4.50	31.5	1318	872	2190	198.2	0.06056	2000
Camel	450	475.2	61.6	536.8	54/3.35	7/3.35	30.15	1314	483	1797	145.7	0.06073	2500
Moose	500	528.7	68.5	597.2	54/3.53	7/3.53	31.77	1462	537	1999	161.1	0.0547	2000

DIN 48204

Area				Stranding and wire diameter		Overall Diameter	Linear mass			Nominal breaking load	Maximum resistance at 20 ℃
Nominal	Actual										
Al/St	Al	St	Total	Al	St		Al	St	Total		
mm2	mm2	mm2	mm2	mm	mm	mm	kg/km	kg/km	kg/km	daN	ohm/km
16/2.5	15.3	2.5	17.8	6/1.80	1/1.80	5.4	42	20	62	595	1.878
25/4.0	23.8	4	27.8	6/2.25	1/2.25	6.8	65	32	97	920	1.2002
36/6.0	34.3	5.7	40	6/2.70	1/2.70	8.1	94	46	140	1265	0.8352
44/32.0	44	31.7	75.7	14/2.00	7/2.40	11.2	122	250	372	4500	0.6573
50/8.0	48.3	8	56.3	6/3.20	1/3.20	9.6	132	64	196	1710	0.5946
50/30	51.2	29.8	81	12/2.33	7/2.33	11.7	141	237	378	4380	0.5643
Dec-70	69.9	11.4	81.3	26/1.85	7/1.44	11.7	193	91	284	2680	0.413
95/15	94.4	15.3	109.7	26/2.15	7/1.67	13.6	260	123	383	3575	0.3058
95/55	96.5	56.3	152.8	12/3.20	7/3.20	16	266	446	712	7935	0.2992
105/75	105.7	75.5	181.5	14/3.10	9/2.25	17.5	292	599	891	10845	0.2735
120/20	121.06	19.8	141.4	26/2.44	7/1.90	15.5	336	158	494	4565	0.2374
120/70	122	71.3	193.3	12/3.6	7/3.60	18	337	564	901	10000	0.2364
125/30	127.9	29.8	157.7	30/2.33	7/2.33	16.3	353	238	591	5760	0.2259
150/25	148.9	24.2	173.1	26/2.70	7/2.10	17.1	411	194	605	5525	0.1939
170/40	171.8	40.1	211.9	30/2.70	7/2.70	18.9	475	319	794	7675	0.1682
185/30	183.8	29.8	213.6	26/3.00	7/2.33	19	507	239	746	6620	0.1571
210/35	209.1	34.1	243.2	26/3.20	7/2.49	20.3	577	273	850	7490	0.138
210/50	212.1	49.5	261.6	30/3.00	7/3.00	21	587	394	981	9390	0.1362
230/30	230.9	29.8	260.7	24/3.50	7/2.33	21	638	239	877	7310	0.1249
240/40	243	39.5	282.5	26/3.45	7/2.68	21.9	671	316	987	8640	0.1188

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265/35	263.7	34.1	297.8	24/3.74	7/2.49	22.4	728	274	1002	8305	0.1094
300/50	304.3	49.5	353.7	26/3.86	7/3.00	24.5	840	396	1236	10700	0.09487
305/40	304.6	39.5	344.1	54/2.68	7/2.68	24.1	843	317	1160	9940	0.0949
340/30	339.3	29.8	369.1	48/3.00	7/2.33	25	938	242	1180	9290	0.08509
380/50	382	49.5	431.5	54/3.00	7/3.00	27	1056	397	1453	12310	0.08509
385/35	386	34.1	420.1	48/3.20	7/2.49	26.7	1067	277	1344	10480	0.07573
435/55	434.03	59.3	490.6	54/3.20	7/3.20	28.8	1203	450	1653	13645	0.07478
450/40	448.7	39.5	488.2	48/3.45	7/2.68	28.7	1241	320	1561	12075	0.06656
490/65	490.3	63.6	553.9	54/3.40	7/3.40	30.6	1356	510	1866	15310	0.06434
495/35	494.1	34.1	528.2	45/3.74	7/2.49	29.9	1363	283	1646	12180	0.05846
510/45	510.2	45.3	555.5	48/3.68	7/2.87	30.7	1413	365	1778	13665	0.05655
550/70	550	71.3	621.3	54/3.60	7/3.60	32.4	1520	572	2092	17060	0.05259
560/50	561.7	49.5	611.2	48/3.86	7/3.00	32.2	1553	401	1954	14895	0.0514
570/40	565.5	39.5	610.3	45/4.00	7/2.68	32.2	1563	325	1888	13900	0.05108
650/45	698.8	45.3	653.49	45/4.30	7/2.87	34.4	1791	372	2163	15552	0.0442
680/85	678.8	86	764.8	54/4.00	18/2.40	36	1866	702	2570	21040	0.0426
1045/45	1045.58	45.3	1090.9	72/4.30	7/2.87	43	2879	370	3249	21787	0.0277

IEC 61089 Characteristics of A1/S1A Conductors

Code Number	Steel Ratio	Areas			No. of Wires		Wire Dia.		Diameter		Linear Mass	Rated Strength	C. Resistance at 20℃
		Alum.	Steel	Total	Alum.	Steel	Alum.	Steel	Core	Cond			
	%	mm2	mm2	mm2			mm	mm	mm	mm	kg/km	kN	ohm/km
16	17	16	2.67	18.7	6	1	1.84	1.84	1.84	5.53	64.6	6.08	1.7934
25	17	25	4.17	29.2	6	1	2.3	2.3	2.3	6.91	100.9	9.13	1.1478
40	17	40	6.67	46.7	6	1	2.91	2.91	2.91	8.74	161.5	14.4	0.7174
63	17	63	10.5	73.5	6	1	3.66	3.66	3.66	11	254.4	21.63	0.4555
100	17	100	16.7	117	6	1	4.61	4.61	4.61	13.8	403.8	34.33	0.2869
125	6	125	6.94	132	18	1	2.97	2.97	2.97	14.9	397.9	29.17	0.2304
125	16	125	20.4	145	26	7	2.47	1.92	5.77	15.7	503.9	45.69	0.231
160	6	160	8.89	169	18	1	3.36	3.36	3.36	16.8	509.3	36.18	0.18
160	16	160	26.1	186	26	7	2.8	2.18	6.53	17.7	644.9	57.69	0.1805
200	6	200	11.1	211	18	1	3.76	3.76	3.76	18.8	636.7	44.22	0.144
200	16	200	32.6	233	26	7	3.13	2.43	7.3	19.8	806.2	70.13	0.1444
250	10	250	24.6	275	22	7	3.8	2.11	6.34	21.6	880.6	68.72	0.1154
250	16	250	40.7	291	26	7	3.5	2.72	8.16	22.2	1007.7	87.67	0.1155
315	7	315	21.8	337	45	7	2.99	1.99	5.97	23.9	1039.6	79.03	0.0917
315	16	315	51.3	366	26	7	3.93	3.05	9.16	24.9	1269.7	106.83	0.0917
400	7	400	27.7	428	45	7	3.36	2.24	6.73	26.9	1320.1	98.36	0.0722
400	13	400	51.9	452	54	7	3.07	3.07	9.21	27.6	1510.3	123.04	0.0723

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450	7	450	31.1	481	45	7	3.57	2.38	7.14	28.5	1485.2	107.47	0.0642
450	13	450	58.3	508	54	7	3.26	3.26	9.77	29.3	1699.1	138.42	0.0643
500	7	500	34.6	535	45	7	3.76	2.51	7.52	30.1	1650.2	119.41	0.0578
500	13	500	64.8	565	54	7	3.43	3.43	10.3	30.9	1887.9	153.8	0.0578
560	7	560	38.7	599	45	7	3.98	2.65	7.96	31.8	1848.2	133.74	0.0516
560	13	560	70.9	631	54	19	3.63	2.18	10.9	32.7	2103.4	172.59	0.0516
630	7	630	43.6	674	45	7	4.22	2.81	8.44	33.8	2079.2	150.45	0.0459
630	13	630	79.8	710	54	19	3.85	2.31	11.6	34.7	2366.3	191.77	0.0459
710	7	710	49.1	759	45	7	4.48	2.99	8.96	35.9	2343.2	169.56	0.0407
710	13	710	89.9	800	54	19	4.09	2.45	12.3	36.8	2666.8	216.12	0.0407
800	4	800	34.6	835	72	7	3.76	2.51	7.52	37.6	2480.2	167.41	0.0361
800	8	800	66.7	867	84	7	3.48	3.48	10.4	38.3	2732.7	205.33	0.0362
800	13	800	101	901	54	19	4.44	2.61	13	39.1	3004.9	243.52	0.0362
900	4	900	38.9	939	72	7	3.99	2.66	7.98	39.9	2790.2	188.33	0.0321
900	8	900	75	975	84	7	3.69	3.69	11.1	40.6	3074.2	226.5	0.0322
1000	4	1000	43.2	1043	72	7	4.21	2.8	8.41	42.1	3100.3	209.26	0.0289
1120	4	1120	47.3	1167	72	19	4.45	1.78	8.9	44.5	3464.9	234.53	0.0258
1120	8	1120	91.2	1211	84	19	4.12	2.47	12.4	45.3	3811.5	283.17	0.0258
1250	8	1250	102	1352	84	19	4.35	2.61	13.1	47.9	4253.9	316.04	0.0232
1250	4	1250	52.8	1303	72	19	4.7	1.88	9.4	47	3867.1	261.75	0.0231

IEC 61089 Characteristics of A1/S1B Conductors

Code Number	Steel Ratio	Areas			No. of Wires		Wire Dia.		Diameter		Linear Mass	Rated Strength	C. Resistance at 20℃
		Alum.	Steel	Total	Alum.	Steel	Alum.	Steel	Core	Cond			
	%	mm2	mm2	mm2			mm	mm	mm	mm	kg/km	kN	ohm/km
16	17	16	2.67	18.7	6	1	1.84	1.84	1.84	5.53	64.6	5.89	1.7934
25	17	25	4.17	29.2	6	1	2.3	2.3	2.3	6.91	100.9	8.83	1.1478
40	17	40	6.67	46.7	6	1	2.91	2.91	2.91	8.74	161.5	13.93	0.7174
63	17	63	10.5	73.5	6	1	3.66	3.66	3.66	11	254.4	20.58	0.4555
100	17	100	16.7	117	6	1	4.61	4.61	4.61	13.8	403.8	32.67	0.2869
125	6	125	6.94	132	18	1	2.97	2.97	2.97	14.9	397.9	28.68	0.2304
125	16	125	20.4	145	26	7	2.47	1.92	5.77	15.7	503.9	44.27	0.231
160	6	160	8.89	169	18	1	3.36	3.36	3.36	16.8	509.3	35.29	0.18
160	16	160	26.1	186	26	7	2.8	2.18	6.53	17.7	644.9	55.86	0.1805
200	6	200	11.1	211	18	1	3.76	3.76	3.76	18.8	636.7	43.11	0.144
200	16	200	32.6	233	26	7	3.13	2.43	7.3	19.8	806.2	67.85	0.1444
250	10	250	24.6	275	22	7	3.8	2.11	6.34	21.6	880.6	67.01	0.1154
250	16	250	40.7	291	26	7	3.5	2.72	8.16	22.2	1007.7	84.82	0.1155
315	7	315	21.8	337	45	7	2.99	1.99	5.97	23.9	1039.6	77.51	0.0917
315	16	315	51.3	366	26	7	3.93	3.05	9.16	24.9	1269.7	101.7	0.0917
400	7	400	27.7	428	45	7	3.36	2.24	6.73	26.9	1320.1	96.42	0.0722
400	13	400	51.9	452	54	7	3.07	3.07	9.21	27.6	1510.3	117.85	0.0723
450	7	450	31.1	481	45	7	3.57	2.38	7.14	28.5	1485.2	105.29	0.0642
450	13	450	58.3	508	54	7	3.26	3.26	9.77	29.3	1699.1	132.58	0.0643
500	7	500	34.6	535	45	7	3.76	2.51	7.52	30.1	1650.2	116.99	0.0578
500	13	500	64.8	565	54	7	3.43	3.43	10.3	30.9	1887.9	147.31	0.0578
560	7	560	38.7	599	45	7	3.98	2.65	7.96	31.8	1848.2	131.03	0.0516
560	13	560	70.9	631	54	19	3.63	2.18	10.9	32.7	2103.4	167.63	0.0516
630	7	630	43.6	674	45	7	4.22	2.81	8.44	33.8	2079.2	147.4	0.0459

630	13	630	79.8	710	54	19	3.85	2.31	11.6	34.7	2366.3	186.19	0.0459
710	7	710	49.1	759	45	7	4.48	2.99	8.96	35.9	2343.2	166.12	0.0407
710	13	710	89.9	800	54	19	4.09	2.45	12.3	36.8	2666.8	209.83	0.0407
800	4	800	34.6	835	72	7	3.76	2.51	7.52	37.6	2480.2	164.99	0.0361
800	8	800	66.7	867	84	7	3.48	3.48	10.4	38.3	2732.7	198.67	0.0362
800	13	800	101	901	54	19	4.44	2.61	13	39.1	3004.9	236.43	0.0362
900	4	900	38.9	939	72	7	3.99	2.66	7.98	39.9	2790.2	185.61	0.0321
900	8	900	75	975	84	7	3.69	3.69	11.1	40.6	3074.2	219	0.0322
1000	4	1000	43.2	1043	72	7	4.21	2.8	8.41	42.1	3100.3	206.23	0.0289
1120	4	1120	47.3	1167	72	19	4.45	1.78	8.9	44.5	3464.9	231.22	0.0258
1120	8	1120	91.2	1211	84	19	4.12	2.47	12.4	45.3	3811.5	276.78	0.0258
1250	8	1250	52.8	1303	72	19	4.35	2.61	13.1	47.9	4253.9	258.06	0.0231
1250	4	1250	102	1352	84	19	4.7	1.88	9.4	47	3867.1	308.91	0.0232

IEC 61089 Characteristics of A1/S2A Conductors

Code Number	Steel Ratio	Areas			No. of Wires		Wire Dia.		Diameter		Linear Mass	Rated Strength	D.C. Resistance at 20℃
		Alum.	Steel	Total	Alum.	Steel	Alum.	Steel	Core	Cond			
	%	mm2	mm2	mm2			mm	mm	mm	mm	kg/km	kN	ohm/km
16	17	16	2.67	18.7	6	1	1.84	1.84	1.84	5.53	64.6	6.45	1.7934
25	17	25	4.17	29.2	6	1	2.3	2.3	2.3	6.91	100.9	9.71	1.1478
40	17	40	6.67	46.7	6	1	2.91	2.91	2.91	8.74	161.5	15.33	0.7174
63	17	63	10.5	73.5	6	1	3.66	3.66	3.66	11	254.4	22.37	0.4555
100	17	100	16.7	117	6	1	4.61	4.61	4.61	13.8	403.8	35.5	0.2869
125	6	125	6.94	132	18	1	2.97	2.97	2.97	14.9	397.9	30.14	0.2304
125	16	125	20.4	145	26	7	2.47	1.92	5.77	15.7	503.9	48.54	0.231
160	6	160	8.89	169	18	1	3.36	3.36	3.36	16.8	509.3	37.42	0.18
160	16	160	26.1	186	26	7	2.8	2.18	6.53	17.7	644.9	61.34	0.1805
200	6	200	11.1	211	18	1	3.76	3.76	3.76	18.8	636.7	45	0.144
200	16	200	32.6	233	26	7	3.13	2.43	7.3	19.8	806.2	74.69	0.1444
250	10	250	24.6	275	22	7	3.8	2.11	6.34	21.6	880.6	72.16	0.1154
250	16	250	40.7	291	26	7	3.5	2.72	8.16	22.2	1007.7	93.37	0.1155
315	7	315	21.8	337	45	7	2.99	1.99	5.97	23.9	1039.6	82.08	0.0917
315	16	315	51.3	366	26	7	3.93	3.05	9.16	24.9	1269.7	114.02	0.0917
400	7	400	27.7	428	45	7	3.36	2.24	6.73	26.9	1320.1	102.23	0.0722
400	13	400	51.9	452	54	7	3.07	3.07	9.21	27.6	1510.3	130.3	0.0723
450	7	450	31.1	481	45	7	3.57	2.38	7.14	28.5	1485.2	111.82	0.0642
450	13	450	58.3	508	54	7	3.26	3.26	9.77	29.3	1699.1	146.58	0.0643
500	7	500	34.6	535	45	7	3.76	2.51	7.52	30.1	1650.2	124.25	0.0578
500	13	500	64.8	565	54	7	3.43	3.43	10.3	30.9	1887.9	162.87	0.0578
560	7	560	38.7	599	45	7	3.98	2.65	7.96	31.8	1848.2	139.16	0.0516
560	13	560	70.9	631	54	19	3.63	2.18	10.9	32.7	2103.4	182.52	0.0516
630	7	630	43.6	674	45	7	4.22	2.81	8.44	33.8	2079.2	156.55	0.0459
630	13	630	79.8	710	54	19	3.85	2.31	11.6	34.7	2366.3	202.94	0.0459
710	7	710	49.1	759	45	7	4.48	2.99	8.96	35.9	2343.2	176.43	0.0407
710	13	710	89.9	800	54	19	4.09	2.45	12.3	36.8	2666.8	228.71	0.0407
800	4	800	34.6	835	72	7	3.76	2.51	7.52	37.6	2480.2	172.25	0.0361
800	8	800	66.7	867	84	7	3.48	3.48	10.4	38.3	2732.7	214.67	0.0362
800	13	800	101	901	54	19	4.44	2.61	13	39.1	3004.9	257.71	0.0362
900	4	900	38.9	939	72	7	3.99	2.66	7.98	39.9	2790.2	193.78	0.0321

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900	8	900	75	975	84	7	3.69	3.69	11.1	40.6	3074.2	231.75	0.0322
1000	4	1000	43.2	1043	72	7	4.21	2.8	8.41	42.1	3100.3	215.31	0.0289
1120	4	1120	47.3	1167	72	19	4.45	1.78	8.9	44.5	3464.9	241.15	0.0258
1120	8	1120	91.2	1211	84	19	4.12	2.47	12.4	45.3	3811.5	295.94	0.0258
1250	4	1250	52.8	1303	72	19	4.7	1.88	9.4	47	3867.1	269.14	0.0231
1250	8	1250	102	1352	84	19	4.35	2.61	13.1	47.9	4253.9	330.29	0.0232

IEC 61089 Characteristics of A1/S2B Conductors

Code Number	Steel Ratio	Areas			No. of Wires		Wire Dia.		Diameter		Linear Mass	Rated Strength	D.C. Resistance at 20℃
		Alum.	Steel	Total	Alum.	Steel	Alum.	Steel	Core	Cond			
	%	mm2	mm2	mm2			mm	mm	mm	mm	kg/km	kN	ohm/km
16	17	16	2.67	18.7	6	1	1.84	1.84	1.84	5.53	64.6	6.27	1.7934
25	17	25	4.17	29.2	6	1	2.3	2.3	2.3	6.91	100.9	9.42	1.1478
40	17	40	6.67	46.7	6	1	2.91	2.91	2.91	8.74	161.5	14.87	0.7174
63	17	63	10.5	73.5	6	1	3.66	3.66	3.66	11	254.4	21.63	0.4555
100	17	100	16.7	117	6	1	4.61	4.61	4.61	13.8	403.8	34.33	0.2869
125	6	125	6.94	132	18	1	2.97	2.97	2.97	14.9	397.9	29.65	0.2304
125	16	125	20.4	145	26	7	2.47	1.92	5.77	15.7	503.9	47.12	0.231
160	6	160	8.89	169	18	1	3.36	3.36	3.36	16.8	509.3	36.8	0.18
160	16	160	26.1	186	26	7	2.8	2.18	6.53	17.7	644.9	59.51	0.1805
200	6	200	11.1	211	18	1	3.76	3.76	3.76	18.8	636.7	44.22	0.144
200	16	200	32.6	233	26	7	3.13	2.43	7.3	19.8	806.2	72.41	0.1444
250	10	250	24.6	275	22	7	3.8	2.11	6.34	21.6	880.6	70.44	0.1154
250	16	250	40.7	291	26	7	3.5	2.72	8.16	22.2	1007.7	90.52	0.1155
315	7	315	21.8	337	45	7	2.99	1.99	5.97	23.9	1039.6	80.55	0.0917
315	16	315	51.3	366	26	7	3.93	3.05	9.16	24.9	1269.7	110.43	0.0917
400	7	400	27.7	428	45	7	3.36	2.24	6.73	26.9	1320.1	100.29	0.0722
400	13	400	51.9	452	54	7	3.07	3.07	9.21	27.6	1510.3	126.67	0.0723
450	7	450	31.1	481	45	7	3.57	2.38	7.14	28.5	1485.2	109.64	0.0642
450	13	450	58.3	508	54	7	3.26	3.26	9.77	29.3	1699.1	142.5	0.0643
500	7	500	34.6	535	45	7	3.76	2.51	7.52	30.1	1650.2	121.83	0.0578
500	13	500	64.8	565	54	7	3.43	3.43	10.3	30.9	1887.9	158.33	0.0578
560	7	560	38.7	599	45	7	3.98	2.65	7.96	31.8	1848.2	136.45	0.0516
560	13	560	70.9	631	54	19	3.63	2.18	10.9	32.7	2103.4	177.56	0.0516
630	7	630	43.6	674	45	7	4.22	2.81	8.44	33.8	2079.2	153.5	0.0459
630	13	630	79.8	710	54	19	3.85	2.31	11.6	34.7	2366.3	197.36	0.0459
710	7	710	49.1	759	45	7	4.48	2.99	8.96	35.9	2343.2	172.99	0.0407
710	13	710	89.9	800	54	19	4.09	2.45	12.3	36.8	2666.8	222.42	0.0407
800	4	800	34.6	835	72	7	3.76	2.51	7.52	37.6	2480.2	169.83	0.0361
800	8	800	66.7	867	84	7	3.48	3.48	10.4	38.3	2732.7	210	0.0362
800	13	800	101	901	54	19	4.44	2.61	13	39.1	3004.9	250.61	0.0362
900	4	900	38.9	939	72	7	3.99	2.66	7.98	39.9	2790.2	191.06	0.0321
900	8	900	75	975	84	7	3.69	3.69	11.1	40.6	3074.2	226.5	0.0322
1000	4	1000	43.2	1043	72	7	4.21	2.8	8.41	42.1	3100.3	212.28	0.0289
1120	4	1120	47.3	1167	72	19	4.45	1.78	8.9	44.5	3464.9	237.84	0.0258
1120	8	1120	91.2	1211	84	19	4.12	2.47	12.4	45.3	3811.5	289.55	0.0258
1250	8	1250	52.8	1303	72	19	4.7	1.88	9.4	47	3867.1	265.44	0.0231
1250	4	1250	102	1352	84	19	4.35	2.61	13.1	47.9	4253.9	323.16	0.0232

Type AC GOST 839-80

Nominal Corss-section	Number of Wires	Wire Diameter	Calculated Cross-section	Overall Diameter	D.C. Resistance at 20	Min. Breaking Load	Conductor Weight	Grease Weight
mm2		mm	mm2	mm	Ω/km		kg/km	kg/km
10	7	1,35	10,0	4,05	28,631	1950	27,4	–

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16	7	1,70	15,9	5,10	18,007	3021	43,0	0,5
25	7	2,13	24,9	6,40	11,498	4500	68,0	0,5
35	7	2,50	34,3	7,50	0,8347	5913	94,0	0,5
40	7	2,70	40,0	8,09	0,7157	6800	109,4	–
50	7	3,00	49,5	9,00	0,5784	8198	135,0	0,5
63	7	3,39	63,0	10,16	0,4544	10390	172,3	–
70	7	3,55	69,3	10,70	0,4131	11288	189,0	1,0
95	7	4,10	92,4	12,30	0,3114	14784	252,0	1,0
100	19	2,59	100,0	12,94	0,2877	17000	274,9	–
120	19	2,80	117,0	14,00	0,2459	19890	321,0	16
125	19	2,89	125,0	14,47	0,2301	21250	343,6	–
150	19	3,15	148,0	15,80	0,1944	24420	406,0	20
160	19	3,27	160,0	16,37	0,1798	26400	439,8	–
185	19	3,50	182,8	17,50	0,1574	29832	502,0	25
200	19	3,66	200,0	18,30	0,1438	32000	549,7	–
240	19	4,00	238,7	20,00	0,1205	38192	655,0	33
250	19	4,09	250,0	20,47	0,1150	40000	687,1	–
300	37	3,15	288,3	22,10	0,1000	47569	794,0	54
315	37	3,29	315,0	23,05	0,0915	51970	867,5	–
350	37	3,45	345,8	24,20	0,0833	57057	952,0	65
400	37	3,66	389,2	25,60	0,0740	63420	1072,0	73
450	37	3,90	449,1	27,30	0,0642	71856	1206,0	84
500	37	4,15	500,4	29,10	0,0576	80000	1378,0	94
550	61	3,37	544,0	30,30	0,0529	89760	1500,0	117
560	37	4,39	560,0	30,73	0,0531	89600	1542,2	–
600	61	3,50	586,8	31,50	0,0491	95632	1618,0	126
630	61	3,63	630,0	32,64	0,0458	100800	1738,4	–
650	61	3,66	641,7	32,90	0,0450	104575	1771,0	138
700	61	3,80	691,7	34,20	0,0417	112725	1902,0	149
710	61	3,85	710,0	34,65	0,0406	113600	1959,2	–
750	61	3,95	747,4	35,60	0,0386	119584	2062,0	161

NF C 34120

CODE	SECTION			STRANDING		OVERALL DIAMETER		TENSILE S. STEEL HBAR.	RATED STRENGTH	ELECTRICAL RESISTANCE 20° C	CONDUCTOR WEIGHT			GREASE WEIGHT	
	mm2			No. x mm		mm			kN	ohms/km	kg/km			g/m	
	Al	Steel	Total	Al	Steel	Core	Total				Al	Steel	Total	Outside layer greased	Outside layer ungreased
CANNA 37.7	28.27	9.42	37.69	9 x 2.00	3 x 2.00	-	8.3	117.6	1.625	1.02	80	155	75	6	2
CANNA 59.7	37.7	21.99	59.69	12 x 2.00	7 x 2.00	6	10	117.6	3.27	0.766	103	276	173	7	3
CANNA 75.5	47.71	27.83	75.54	12 x 2.25	7 x 2.25	6.75	11.25	117.6	4.115	0.605	128	349	220	10	4
CANNA 116.2	94.25	21.99	116.24	30 x 2.00	7 x 2.00	6	14	117.6	4.315	0.306	258	432	174	13	7
CROCUS 116.12	94.25	21.99	116.24	30 x 2.00	7 x 2.00	6	14	156.8	4.93	0.306	258	432	174	13	7
CANNA 147.1	119.28	27.83	147.11	30 x 2.25	7 x 2.25	6.75	15.75	117.6	5.4	0.243	327	547	220	18	10

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CROCUS 147.1	119.28	27.83	147.11	30 x 2.25	7 x 2.25	6.75	15.75	156.8	6.18	0.243	327	547	220	18	10
CANNA 181.6	147.26	34.36	181.62	30 x 2.50	7 x 2.50	7.5	17.5	117.6	6.49	0.197	403	675	272	22	12
CROCUS 181.6	147.26	34.36	181.62	30 x 2.50	7 x 2.50	7.5	17.5	156.8	7.42	0.197	403	675	272	22	12
CANNA 228	184.72	43.1	227.82	30 x 2.80	7 x 2.80	8.4	19.6	117.6	8.05	0.157	506	848	342	26	15
CROCUS 228	184.72	43.1	227.82	30 x 2.80	7 x 2.80	8.4	19.6	156.8	9.21	0.157	506	848	342	26	15
CANNA 288	233.8	54.55	288.35	30 x 3.15	7 x 3.15	9.45	22.05	117.6	9.85	0.124	642	1074	432	33	18
CROCUS 288	233.8	54.55	288.35	30 x 3.15	7 x 3.15	9.45	22.05	156.8	11.38	0.124	642	1074	432	33	18
CROCUS 297	221.67	75.54	297.21	36 x 2.80	19 x 2.25	11.25	22.45	156.8	17.72	0.1305	594	624	1218	35	20
CROCUS 412	325.72	85.95	411.67	32 x 3.60	19 x 2.40	12	26.4	156.8	17.33	0.0898	676	917	1593	50	25
CROCUS 612	507.83	104.7	611.76	66 x 3.13	19 x 2.65	13.25	32.2	156.8	23.15	0.0566	824	1417	2241	70	40
CROCUS 865	717.33	148.06	865.39	66 x 3.72	19 x 3.15	15.75	38.1	156.8	31.9	0.0405	1164	2010	3174	100	55
CROCUS 1185	956.666	227.82	1184.48	54 x 2.8	37 x 2.80	19.7	44.7	156.8	48.05	0.0303	1796	2682	4478	140	100

JIS C 3110

Nominal Sectional Area	Sectional Area			Stranding		Overall Diameter	Weight	Breakign Load	Electrical Resistance @20o
	AL	Steel	Total	AL	Steel				
mm^2	mm^2	mm^2	mm^2	No. ×mm	No. ×mm	mm	Kg/Km	KN	Ω/Km
25	24.9	4.2	29.1	6/2.30	1/2.30	6.9	101	8.89	1.15
32	31.9	5.3	37.2	6/2.60	1/2.60	7.8	129	11.17	0.899
58	57.7	9.6	67.3	6/3.50	1/3.50	10.5	233	19.4	0.497
95	95.4	15.9	111.3	6/4.50	1/4.50	13.5	385	31.16	0.301
120	124.7	29.1	153.8	30/2.3	7/2.3	16.1	574	54.29	0.233
160	159.3	37.2	196.5	30/2.6	7/2.6	18.2	733	68.4	0.182
200	198.2	46.2	244.4	30/2.9	7/2.9	20.3	912	84.67	0.147
240	241.2	59.3	300.5	30/3.2	7/3.2	22.4	1110	100.06	0.12
330	326.8	52.8	379.6	26/4.0	7/3.1	25.3	1320	107.31	0.0888
410	413.4	67.3	480.7	26/4.5	7/3.5	28.5	1673	136.32	0.0702
520	519.5	67.3	586.8	54/3.5	7/3.5	31.2	1969	152.88	0.0559
610	612.4	79.4	691.8	54/3.8	7/3.8	34.2	2320	179.83	0.0474
810	814.5	56.3	870.8	45/3.8	7/3.2	38.4	2700	181.1	0.0356