

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

Conductor

Aluminum 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 COMMITMENT

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

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 ²	mm ²	mm ²				
15-AL1/3-ST1A	16/2.5	6/1.80	1/1.80	5.4	15.3	2.5	17.9	62	5.81	1.8793	105
24-AL1/4-ST1A	25/4	6/2.25	1/2.25	6.8	23.8	4	27.8	96	9.02	1.2028	140
34-AL1/6-ST1A	35/6	6/2.70	1/2.70	8.1	34.3	5.7	40	139	12.7	0.8353	170
44-AL1/32-ST1A	44/32	14/2.00	7/2.40	11.2	44	31.7	75.7	369	45.46	0.6573	-
48-AL1/8-ST1A	50/8	6/3.20	1/3.20	9.6	48.3	8	56.3	195	17.18	0.5946	210
51-AL1/30-ST1A	50/30	12/2.33	7/2.33	11.7	51.2	29.8	81	375	44.28	0.5644	-
394-AL1/15-ST1A	95/15	26/2.15	7/1.67	13.6	94.4	15.3	110	381	35.17	0.3058	350
97-AL1/56-ST1A	95/55	12/3.20	7/3.20	16	96.5	56.3	153	707	80.2	0.2992	-
106-AL1/76-ST1A	105/75	14/3.10	19/2.25	17.5	105.7	75.5	182	885	106.69	0.2736	-
122AL1/20-ST1A	120/20	26/2.44	7/1.90	15.5	121.6	19.8	141	491	44.94	0.2374	410
122-AL1/71-ST1A	120/70	12/3.60	7/3.60	18	122	71.3	193	895	98.16	0.2364	-
128-AL1/30-ST1A	125/30	30/2.33	7/2.33	16.1	127.9	29.8	158	587	57.86	0.2259	425
149-AL1/24-ST1A	150/25	26/2.70	7/2.10	17.1	148.9	24.2	173	601	54.37	0.1939	470
172-AL1/40-ST1A	170/40	30/2.70	7/2.70	18.9	171.8	40.1	212	788	77.01	0.1682	520
184-AL1/30-ST1A	185/30	26/3.00	7/2.33	19	183.8	29.8	214	741	66.28	0.1571	535
209-AL1/34-ST1A	210/35	26/3.20	7/2.49	20.3	209.1	34.1	243	844	74.94	0.138	590
212-AL1/49-ST1A	210/50	30/3.00	7/3.00	21.3	212.1	49.5	262	973	92.25	0.1363	610
231-AL1/30-ST1A	230/30	24/3.50	7/2.33	21	230.9	29.8	261	871	73.09	0.1249	630
243-AL1/39-ST1A	240/40	26/3.45	7/2.68	21.9	243	39.5	283	980	86.46	0.1188	645
264-AL1/34-ST1A	265/35	24/3.74	7/2.49	22.4	263.7	34.1	298	994	82.94	0.1094	680

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		Aluminum	Steel		Aluminum	Steel	Total				
		mm	mm		mm ²	mm ²	mm ²				
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

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

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

CONSTRUCTION

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SUSTAINABILITY COMMITMENT

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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 ²	mm ²	mm ²				
28-AL1/9-ST1A	CANNA37,7	9/2.00	3/2.00	8,30	28,3	9,42	37,7	152	16,26	1,0187	s
38-AL1/22-ST1A	CANNA59,7	12/2.00	7/2.00	10,0	37,7	22,0	59,7	276	32,70	0,7660	s
48-AL1/28-ST1A	CANNA75,5	12/2.25	7/2.25	11,3	47,7	27,8	75,5	350	41,15	0,6052	s
59-AL1/34-ST1A	CANNA93,3	12/2.50	7/2.50	12,5	58,9	34,4	93,34	431	49,48	0,4902	s
94-AL1/22-ST'A	CANNA116,2	30/2.00	7/2.00	14,0	94,2	22,0	116,2	433	43,17	0,3067	s
119-AL1/28-ST1A	CANNA147,1	30/2.25	7/2.25	15,8	119,3	27,8	174,1	547	54,03	0,2423	s
147-AL1/34-ST1A	CANNA1181,6	30/2.50	7/2.50	17,5	147,3	34,4	181,6	676	64,94	0,1963	s
185-AL1/43-ST1A	CANNA 228	30/2.80	7/2.80	19,6	184,7	43,1	227,8	848	80,54	0,1565	s
234-AL1/55-ST1A	CANNA228	30/3.15	7/3.15	22,1	233,8	54,6	288,3	1073	98,58	0,1236	s

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IEC Standards ACSR Conductor



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STANDARDS

IEC Standards IEC61089:1997

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Code Word	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance
	Aluminum	Steel		Aluminum	Steel	Total			
	mm	mm		mm ²	mm ²	mm ²			
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

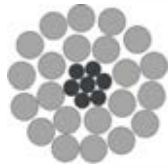
IEC Standards IEC61089:1997

Code Word	Stranding&Wire Diameter		Overall Diameter	Sectional Area			Approximate Weight	Breaking Load	DC Resistance
	Aluminum	Steel		Aluminum	Steel	Total			
	mm	mm		mm ²	mm ²	mm ²			
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



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STANDARDS

Canadian Standards CSA C49-1965

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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 ²	mm ²	mm ²				
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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	Aluminum	Steel		Aluminum	Steel	Total				
	mm	mm		mm ²	mm ²	mm ²				
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 ²	mm ²	mm ²				
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

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 ²	mm ²	mm ²				
	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

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		mm²	mm²	mm²				
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

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

American Standards ASTM B231/B231M-99

CONSTRUCTION

Conductor

Aluminum 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 COMMITMENT

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

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 ²	mm ²	mm ²				
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 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 ²	mm ²	mm ²				
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
Squab	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

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 ²	mm ²	mm ²				
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

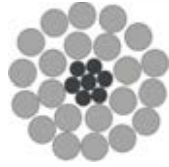
American Standards ASTM B231/B231M -99

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 ²	mm ²	mm ²				
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	862.32	2883.7	230.4	0.03802	1318
Lapwing	45/4.77	7/3.18	38.16	805.8	55.48	861.28	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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British 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

British Standards BS EN 50182

CONSTRUCTION

Conductor

Aluminum 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 COMMITMENT

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

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

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				
	mm ²	mm	mm	mm	mm ²	mm ²	mm ²	Kg/km	KN	Ohm/km	A
Dingo	150	18/3.35	1/3.35	16.75	158.70	8.80	167.50	506	35.40	0.1815	349
Lynx	175	30/2.79	7/2.79	19.53	183.40	42.80	226.20	842	79.80	0.1576	386
Caracal	175	18/3.61	1/3.61	18.05	184.30	10.20	194.50	587	41.10	0.1563	383
Jaguar	200	18/3.86	1/3.86	19.30	210.60	11.70	222.30	671	46.55	0.1367	415
Panther	200	30/3.00	7/3.00	21.00	212.10	49.20	261.50	974	92.25	0.1363	421
Lion	-	30/3.18	7/3.18	22.30	238.3	55.60	293.9	1093.4	100.47	0.1213	448
Bear	-	30/3.35	7/3.35	23.50	264.4	61.70	326.1	1213.4	111.50	0.1093	481
Goat	-	30/3.71	7/3.71	26.00	324.6	75.70	400.0	1488.2	135.13	0.0891	542
Antelope	-	54/2.97	7/2.97	26.70	374.1	48.50	422.6	1413.8	118.88	0.0773	588
Sheep	-	30/3.99	7/3.99	27.90	375.1	87.50	462.6	1721.3	156.30	0.0771	592
Bison	-	54/3.00	7/3.00	27.00	381.7	49.50	431.2	1442.5	121.30	0.0758	595
Zebra	400	54/3.18	7/3.18	28.62	428.90	55.60	484.50	1621	131.90	0.0674	635
Deer	-	30/4.27	7/4.27	29.90	429.60	100.20	529.8	1971.4	179.00	0.0673	639
Elk	-	30/4.50	7/4.50	31.50	477.1	111.30	588.4	2189.5	198.80	0.0606	679
Camel	-	54/3.35	7/3.35	30.20	476.0	61.70	537.7	1798.8	146.40	0.0608	677
Moose	-	54/3.53	7/3.53	31.80	528.5	68.50	597.0	1997.3	159.92	0.0547	763