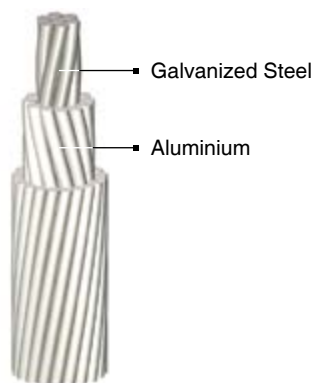




Technical Properties

Type	Number / Diameter of Wire		Calculated Cross Section Area		Approx. Overall Diameter	Approx. Weight of Conductor	Calculated Breaking Load	DC Resistance at 20 °C Max.	Current Carrying Capacity *	Standard Length per Reel
	Al	GSW	Al	GSW						
	No. / mm	No. / mm	mm ²	mm ²						
Thrasher	76 / 4.43	19 / 2.07	1171.4	63.9	45.79	3,759	251.9	0.02477	1,654	1,000
Kiwi	72 / 4.41	7 / 2.94	1099.8	47.5	44.10	3,431	221.7	0.02642	1,592	1,000
Bluebird	84 / 4.07	19 / 2.44	1092.8	88.8	44.76	3,736	268.0	0.02656	1,596	1,000
Chukar	84 / 3.70	19 / 2.22	903.2	73.5	40.70	3,089	227.8	0.03216	1,429	1,000
Falcon	54 / 4.36	19 / 2.62	806.2	102.4	39.26	3,046	243.0	0.03601	1,344	1,000
Lapwing	45 / 4.78	7 / 3.18	807.5	55.6	38.22	2,670	187.4	0.03583	1,336	1,000
Parrot	54 / 4.25	19 / 2.55	766.1	97.0	38.25	2,892	230.5	0.03794	1,303	1,000
Nuthatch	45 / 4.65	7 / 3.10	764.2	52.8	37.20	2,529	177.6	0.03774	1,295	1,000
Plover	54 / 4.14	19 / 2.48	726.9	91.8	37.24	2,742	218.4	0.04002	1,261	1,000
Bobolink	45 / 4.53	7 / 3.02	725.3	50.1	36.24	2,400	170.5	0.03984	1,253	1,000
Martin	54 / 4.02	19 / 2.41	685.4	86.7	36.17	2,586	206.1	0.04238	1,218	1,000
Dipper	45 / 4.40	7 / 2.93	684.2	47.2	35.19	2,263	160.7	0.04216	1,210	2,000
Pheasant	54 / 3.90	19 / 2.34	645.1	81.7	35.10	2,435	194.1	0.04501	1,173	2,000
Bittern	45 / 4.27	7 / 2.85	644.4	44.7	34.17	2,133	151.6	0.04480	1,167	2,000
Skylark	36 / 4.78	1 / 4.78	646.0	17.9	33.46	1,919	117.2	0.04457	1,162	2,000
Grackle	54 / 3.77	19 / 2.27	602.8	76.9	33.97	2,280	184.2	0.04803	1,127	2,000
Bunting	45 / 4.14	7 / 2.76	605.8	41.9	33.12	2,004	142.4	0.04779	1,121	2,000
Finch	54 / 3.65	19 / 2.19	565.0	71.6	32.85	2,133	174.6	0.05144	1,080	2,000
Bluejay	45 / 4.00	7 / 2.66	565.5	38.9	31.98	1,870	132.7	0.05118	1,074	2,000
Curlew	54 / 3.51	7 / 3.51	522.5	67.7	31.59	1,976	161.5	0.05518	1,033	2,000
Ortolan	45 / 3.85	7 / 2.57	523.9	36.3	30.81	1,734	123.3	0.05517	1,025	2,000
Tanager	36 / 4.30	1 / 4.30	522.8	14.5	30.10	1,553	94.8	0.05488	1,021	2,000
Cardinal	54 / 3.38	7 / 3.38	484.5	62.8	30.42	1,833	149.7	0.05973	983	2,000
Rail	45 / 3.70	7 / 2.47	483.8	33.5	29.61	1,602	116.1	0.05975	975	2,000
Catbird	36 / 4.14	1 / 4.14	484.6	13.5	28.98	1,440	87.9	0.05944	971	2,000
Canary	54 / 3.28	7 / 3.28	456.3	59.1	29.52	1,726	141.0	0.06332	948	2,000
Ruddy	45 / 3.59	7 / 2.40	455.5	31.7	28.74	1,509	109.4	0.06332	940	2,000
Mallard	30 / 4.14	19 / 2.48	403.8	91.8	28.96	1,841	171.2	0.07186	886	2,000

* Note : Ambient temperature : 35° C Conductivity of Al : 61% IACS
 wind velocity : 0.6 m/sec Solar absorption coefficient : 0.5
 Continuous operating temperature of conductor : 80° C Emissivity with respect to black body : 0.6

Technical Properties

Type	Number / Diameter of Wire		Calculated Cross Section Area		Approx. Overall Diameter	Approx. Weight of Conductor	Calculated Breaking Load	DC Resistance at 20 °C Max.	Current Carrying Capacity *	Standard Length per Reel
	Al	GSW	Al	GSW						
	No. / mm	No. / mm	mm²	mm²						
Condor	54 / 3.08	7 / 3.08	402.3	52.2	27.72	1,522	124.3	0.07173	876	2,000
Tern	45 / 3.38	7 / 2.25	403.8	27.8	27.03	1,335	97.5	0.07168	869	2,000
Drake	26 / 4.44	7 / 3.45	402.6	65.4	28.11	1,627	139.7	0.07167	880	2,000
Cuckoo	24 / 4.62	7 / 3.08	402.3	52.2	27.72	1,522	123.8	0.07166	876	2,000
Coot	36 / 3.77	1 / 3.77	401.9	11.2	26.39	1,194	72.9	0.07134	865	2,000
Redwing	30 / 3.92	19 / 2.35	362.1	82.4	27.43	1,651	153.7	0.07987	828	2,000
Starling	26 / 4.21	7 / 3.28	361.9	59.1	26.68	1,465	125.9	0.07963	823	2,000
Stilt	24 / 4.39	7 / 2.92	363.3	46.9	26.32	1,372	113.3	0.07961	820	2,000
Gannet	26 / 4.07	7 / 3.16	338.3	54.9	25.8	1,366	117.3	0.08551	786	2,000
Flamingo	24 / 4.23	7 / 2.82	337.3	43.7	25.4	1,276	105.5	0.08546	783	2,000
Egret	30 / 3.70	19 / 2.22	322.6	73.5	25.9	1,472	140.6	0.08984	769	2,000
Scoter	30 / 3.70	7 / 3.70	322.6	75.3	25.9	1,484	135.5	0.08984	769	2,000
Grosbeak	26 / 3.97	7 / 3.09	321.8	52.5	25.2	1,302	111.9	0.08957	763	2,000
Rook	24 / 4.14	7 / 2.76	323.1	41.9	24.8	1,222	101.0	0.08960	760	2,000
Swift	36 / 3.38	1 / 3.38	323.0	9.0	23.7	960	60.7	0.08916	751	2,000
Kingbird	18 / 4.78	1 / 4.78	323.0	17.9	23.9	1,030	69.7	0.08914	754	2,000
Teal	30 / 3.61	19 / 2.16	307.1	69.6	25.2	1,398	133.4	0.09443	744	2,000
Wood Duck	30 / 3.61	7 / 3.61	307.1	71.6	25.3	1,413	129.0	0.09443	745	2,000
Squab	26 / 3.87	7 / 3.01	305.8	49.8	24.5	1,236	108.1	0.09422	739	2,000
Peacock	24 / 4.03	7 / 2.69	306.1	39.8	24.2	1,159	95.9	0.09413	736	2,000
Eagle	30 / 3.46	7 / 3.46	282.1	65.8	24.2	1,298	122.9	0.1027	706	2,000
Dove	26 / 3.72	7 / 2.89	282.6	45.9	23.6	1,142	101.1	0.1024	701	2,000
Parakeet	24 / 3.87	7 / 2.58	282.3	36.6	23.2	1,068	88.3	0.1024	698	2,000
Ospray	18 / 4.47	1 / 4.47	282.5	15.7	22.4	900	61.0	0.1019	692	2,000
Hen	30 / 3.20	7 / 3.20	241.3	56.3	22.4	1,110	105.2	0.1197	639	2,000
Hawk	26 / 3.44	7 / 2.68	241.6	39.5	21.8	978	86.7	0.1196	635	2,000
Flicker	24 / 3.58	7 / 2.39	241.6	31.4	21.5	915	76.8	0.1195	632	2,000
Pelican	18 / 4.14	1 / 4.14	242.3	13.5	20.7	772	52.3	0.1189	627	2,000
Lark	30 / 2.92	7 / 2.92	200.9	46.9	20.4	924	90.3	0.1437	569	2,000
Ibis	26 / 3.14	7 / 2.44	201.3	32.7	19.9	814	72.1	0.1435	565	2,000
Brant	24 / 3.27	7 / 2.18	201.6	26.1	19.6	762	64.7	0.1434	563	2,000
Chickadee	18 / 3.77	1 / 3.77	200.9	11.2	18.9	640	43.4	0.1427	557	2,000
Oriole	30 / 2.69	7 / 2.69	170.5	39.8	18.8	785	77.4	0.1698	511	2,000
Linnet	26 / 2.89	7 / 2.25	170.6	27.8	18.3	690	62.8	0.1696	507	2,000
Merlin	18 / 3.47	1 / 3.47	170.2	9.5	17.4	543	38.2	0.1686	501	2,000
Ostrich	26 / 2.73	7 / 2.12	152.2	24.7	17.3	615	56.6	0.1900	471	2,000
Partridge	26 / 2.57	7 / 2.00	134.9	22.0	16.3	545	50.2	0.2136	437	2,000
Waxwing	18 / 3.09	1 / 3.09	135.0	7.5	15.5	430	30.3	0.2127	432	2,000
Penguin	6 / 4.77	1 / 4.77	107.2	17.9	14.3	433	37.1	0.2666	377	2,000
Cochin	12 / 3.37	7 / 3.37	107.0	62.4	16.9	785	91.8	0.2697	393	2,000
Brahma	16 / 2.86	19 / 2.48	102.8	91.8	18.1	1,005	126.5	0.2803	394	2,000
Dorking	12 / 3.20	7 / 3.20	96.5	56.3	16.0	708	82.8	0.2986	368	2,000
Dotterel	12 / 3.08	7 / 3.08	89.4	52.2	15.4	656	76.7	0.3221	351	2,000
Pigeon	6 / 4.25	1 / 4.25	85.1	14.2	12.8	344	29.4	0.3365	325	2,000
Guinea	12 / 2.92	7 / 2.92	80.4	46.9	14.6	589	71.1	0.3583	327	2,000
Leghorn	12 / 2.69	7 / 2.69	68.2	39.8	13.5	500	60.7	0.4234	294	2,000
Quail	6 / 3.78	1 / 3.78	67.3	11.2	11.3	272	23.3	0.4243	280	2,000
Minorca	12 / 2.44	7 / 2.44	56.1	32.7	12.2	412	50.2	0.5142	260	2,000

* Note : Ambient temperature : 35°C Conductivity of Al : 61% IACS
wind velocity : 0.6 m/sec Solar absorbtion coefficient : 0.5
Continuous operating temperature of conductor : 80°C Emissivity with respect to black body : 0.6

Technical Properties

Type	Number / Diameter of Wire		Calculated Cross Section Area		Approx. Overall Diameter	Approx. Weight of Conductor	Calculated Breaking Load	DC Resistance at 20 °C Max.	Current Carrying Capacity *	Standard Length per Reel
	Al	GSW	Al	GSW						
	No. / mm	No. / mm	mm²	mm²						
Raven	6 / 3.37	1 / 3.37	53.5	8.9	10.1	216	19.4	0.5341	242	2,000
Patrel	12 / 2.34	7 / 2.34	51.6	30.1	11.7	379	46.2	0.5600	246	2,000
Robin	6 / 3.00	1 / 3.00	42.4	7.1	9.0	171	15.8	0.6743	208	2,000
Grouse	8 / 2.54	1 / 4.24	40.5	14.1	9.3	222	22.9	0.7089	205	2,000
Sparate	7 / 2.47	1 / 3.30	33.5	8.6	8.2	159	16.1	0.8497	181	2,000
Sparrow	6 / 2.67	1 / 2.67	33.6	5.6	8.0	136	12.7	0.8499	180	2,000
Swanate	7 / 1.96	1 / 2.61	21.1	5.4	6.5	100	10.5	1.353	135	2,000
Swan	6 / 2.12	1 / 2.12	21.2	3.5	6.4	86	8.3	1.353	134	2,000
Turkey	6 / 1.68	1 / 1.68	13.3	2.2	5.0	54	5.3	2.152	100	2,000

* Note :

Ambient temperature	: 35°C	Conductivity of Al	: 61% IACS
wind velocity	: 0.6 m/sec	Solar absorbtion coefficient	: 0.5
Continuous operating temperature of conductor	: 80°C	Emissivity with respect to black body	: 0.6