

## ACSR Physical Data

Codeword	Size AWG or kcmil	No. of wires	Total Area (mm <sup>2</sup> )	Diameter (mm)				Total Weight (kg/km)	Rated Strength (kN)
				Al Wire	Steel Wire	Steel Core	Complete Conductor		
Turkey	6	6/1	15.52	1.68	1.68	1.68	5.04	53.8	5.19
Swan	4	6/1	24.68	2.12	2.12	2.12	6.36	85.5	8.14
Sparrow	2	6/1	39.23	2.67	2.67	2.67	8.01	136.0	12.4
Robin	1	6/1	49.48	3.00	3.00	3.00	9.00	171.4	15.5
Raven	1/0	6/1	62.43	3.37	3.37	3.37	10.1	216.3	18.9
Quail	2/0	6/1	78.68	3.78	3.78	3.78	11.3	272.6	23.5
Pigeon	3/0	6/1	99.20	4.25	4.25	4.25	12.7	343.8	29.6
Penguin	4/0	6/1	125.1	4.77	4.77	4.77	14.3	433.4	37.4
Waxwing	266.8	18/1	142.7	3.09	3.09	3.09	15.5	431.1	31.2
Partridge	266.8	26/7	157.2	2.57	2.00	6.00	16.3	545.6	50.1
Merlin	336.4	18/1	179.9	3.47	3.47	3.47	17.4	543.5	39.4
Linnet	336.4	26/7	198.2	2.89	2.25	6.74	18.3	688.0	62.3
Oriole	336.4	30/7	210.2	2.69	2.69	8.07	18.8	781.8	76.0
Chickadee	397.5	18/1	212.6	3.77	3.77	3.77	18.9	642.2	45.5
Ibis	397.5	26/7	234.2	3.14	2.44	7.33	19.9	812.9	71.6
Pelican	477	18/1	255.1	4.13	4.13	4.13	20.7	770.4	54.6
Hawk	477	26/7	281.1	3.44	2.68	8.03	21.8	973.8	86.0
Hen	477	30/7	298.1	3.20	3.20	9.61	22.4	1108.6	103
Osprey	556.5	18/1	298.2	4.47	4.47	4.47	22.3	901.0	60.5
Dove	556.5	26/7	327.9	3.72	2.89	8.67	23.5	1136.1	100
Eagle	556.5	30/7	347.8	3.46	3.46	10.4	24.2	1293.3	120
Grosbeak	636	26/7	374.8	3.97	3.09	9.27	25.2	1300.7	111
Egret	636	30/19	395.7	3.70	2.22	11.1	25.9	1466.6	141
Crow	715.5	54/7	409.4	2.92	2.92	8.76	26.3	1369.8	117
Starling	715.5	26/7	421.6	4.21	3.28	9.83	26.7	1463.2	125
Redwing	715.5	30/19	445.2	3.92	2.35	11.8	27.5	1649.9	154
Condor	795	54/7	455.0	3.08	3.08	9.24	27.7	1522.5	126
Drake	795	26/7	468.4	4.44	3.45	10.4	28.1	1625.8	139
Mallard	795	30/19	494.8	4.13	2.48	12.4	29.0	3113.4	171
Crane	874.5	54/7	500.5	3.23	3.23	9.69	29.1	1674.7	138
Canary	900	54/7	515.2	3.28	3.28	9.84	29.5	1724.5	143
Cardinal	954	54/7	546.2	3.38	3.38	10.1	30.4	1828.8	151
Curlew	1033.5	54/7	591.4	3.51	3.51	10.5	31.6	1978.8	164
Finch	1113	54/19	635.5	3.65	2.19	11.0	32.8	2122.2	180
Pheasant	1272	54/19	726.2	3.90	2.34	11.7	35.1	2424.7	200
Falcon	1590	54/19	908.1	4.36	2.62	13.1	39.3	3033.2	250