

## Core of Conductor / AW2

Core of Conductor / AW2 (ASTM B549)							
Code Name	Strands No.	Diameter (mm)		Area (mm <sup>2</sup> )	Weight of Conductor (kg/km)	Rated Strength (kN)	DC Resistance at 20 °C (Ω/km)
		St.	Total	Total	Total	Total	
Partridge	7	2.00	6.00	21.99	145.50	28.37	3.8716
Ostrich	7	2.12	6.36	24.71	163.48	31.88	3.4457
Brant	7	2.18	6.54	26.13	172.87	33.71	3.2587
Tern	7	2.25	6.75	27.83	184.14	35.91	3.0591
Linnet	7	2.25	6.75	27.83	184.14	35.91	3.0591
Petrel	7	2.34	7.02	30.10	199.17	38.84	2.8283
Flicker	7	2.39	7.17	31.40	207.77	40.52	2.7112
Ruddy	7	2.40	7.20	31.67	209.52	40.86	2.6886
Ibis	7	2.44	7.32	32.73	216.56	42.23	2.6012
Minorca	7	2.44	7.32	32.73	216.56	42.23	2.6012
Rail	7	2.47	7.41	33.54	221.92	43.28	2.5384
Ortolan	7	2.57	7.71	36.31	240.25	46.85	2.3447
Parakeet	7	2.58	7.74	36.59	242.12	47.22	2.3266
Bluejay	7	2.66	7.98	38.90	257.37	50.19	2.1887
Hawk	7	2.68	8.04	39.49	261.25	50.95	2.1562
Peacock	7	2.69	8.07	39.78	263.21	51.33	2.1402
Oriole	7	2.69	8.07	39.78	263.21	51.33	2.1402
Leghorn	7	2.69	8.07	39.78	263.21	51.33	2.1402
Bunting	7	2.76	8.28	41.88	277.08	54.03	2.0330
Flamingo	7	2.82	8.46	43.72	289.26	56.41	1.9474
Bittern	7	2.85	8.55	44.65	295.45	57.61	1.9066
Dove	7	2.89	8.67	45.92	303.80	59.24	1.8542
Stilt	7	2.92	8.76	46.87	310.14	60.48	1.8163
Lark	7	2.92	8.76	46.87	310.14	60.48	1.8163
Guinea	7	2.92	8.76	46.87	310.14	60.48	1.8163
Dipper	7	2.93	8.79	47.20	312.27	60.89	1.8039
Kiwi	7	2.94	8.82	47.52	314.40	61.31	1.7917
Squab	7	3.01	9.03	49.81	329.55	64.27	1.7093
Bobolink	7	3.02	9.06	50.14	331.75	64.69	1.6980
Condor	7	3.08	9.24	52.15	345.06	67.29	1.6325
Cuckoo	7	3.08	9.24	52.15	345.06	67.29	1.6325
Dotterel	7	3.08	9.24	52.15	345.06	67.29	1.6325
Gosbeak	7	3.09	9.27	52.49	347.31	67.73	1.6220
Nuthatch	7	3.10	9.30	52.83	349.56	68.17	1.6115
Gannet	7	3.16	9.48	54.90	363.22	70.83	1.5509
Lapwing	7	3.18	9.54	55.59	367.83	71.73	1.5314

## Core of Conductor / AW2

Core of Conductor / AW2 (ASTM B549)							
Code Name	Strands No.	Diameter (mm)		Area (mm <sup>2</sup> )	Weight of Conductor (kg/km)	Rated Strength (kN)	DC Resistance at 20 °C (Ω/km)
	St.	St.	Total	Total	Total	Total	
Hen	7	3.20	9.60	56.30	372.47	72.63	1.5124
Dorking	7	3.20	9.60	56.30	372.47	72.63	1.5124
Canary	7	3.28	9.84	59.15	391.33	74.38	1.4395
Starling	7	3.28	9.84	59.15	391.33	74.38	1.4395
Cochin	7	3.37	10.11	62.44	413.10	78.52	1.3636
Cardinal	7	3.38	10.14	62.81	415.55	78.99	1.3556
Thrasher	19	2.07	10.35	63.94	423.89	79.92	1.3342
Drake	7	3.45	10.35	65.44	432.94	82.29	1.3011
Eagle	7	3.46	10.38	65.82	435.46	82.77	1.2936
Curlew	7	3.51	10.53	67.73	448.13	82.90	1.2570
Teal	19	2.16	10.80	69.62	461.55	87.02	1.2253
Finch	19	2.19	10.95	71.57	474.46	89.45	1.1920
Wood	7	3.61	10.83	71.65	474.03	87.69	1.1883
Chukar	19	2.22	11.10	73.54	487.55	91.92	1.1600
Egret	19	2.22	11.10	73.54	487.55	91.92	1.1600
Sooter	7	3.70	11.10	75.26	497.96	89.66	1.1312
Grackle	19	2.27	11.35	76.89	509.76	96.11	1.1095
Pheasant	19	2.34	35.10	81.71	541.68	102.13	1.0441
Redwing	19	2.35	11.75	82.41	546.32	103.00	1.0352
Martin	19	2.41	12.05	86.67	574.58	108.33	0.9843
Bluebird	19	2.44	12.20	88.84	588.97	111.04	0.9602
Plover	19	2.48	12.40	91.78	608.44	114.71	0.9295
Mallary	19	2.48	12.40	91.78	608.44	114.71	0.9295
Brahma	19	2.48	12.40	91.78	608.44	114.71	0.9295
Parrot	19	2.55	12.75	97.03	643.27	121.28	0.8792
Falcon	19	2.62	13.10	102.43	679.07	128.03	0.8328
Rook	7	7.00	21.00	269.38	1782.34	285.24	0.3161

## Core of Conductor / AW2

Core of Conductor / AW2 (BS EN 50182)							
Code Name	Strands No.	Diameter (mm)		Area (mm <sup>2</sup> )	Weight of Conductor (kg/km)	Rated Strength (kN)	DC Resistance at 20 °C (Ω/km)
	St.	St.	Total	Total	Total	Total	
Mole	1	1.50	1.50	1.77	11.65	2.12	47.9900
Squirrel	1	2.11	2.11	3.50	23.04	4.20	24.2500
Gopher	1	2.36	2.36	4.37	28.83	5.25	19.3900
Weasel	1	2.59	2.59	5.27	34.72	6.32	16.1000
Fox	1	2.79	2.79	6.11	40.29	7.34	13.8700
Ferret	1	3.00	3.00	7.07	46.58	8.48	12.0000
Cougar	1	3.05	3.05	7.31	48.10	8.77	11.6070
Rabbit	1	3.35	3.35	8.81	58.08	10.40	9.6200
Dingo	1	3.35	3.35	8.81	58.10	10.40	9.6212
Caracal	1	3.61	3.61	10.24	67.40	11.67	8.2852
Mink	1	3.66	3.66	10.52	69.33	11.57	8.0600
Jaguar	1	3.86	3.86	11.70	77.10	12.87	7.2468
Beaver	1	3.99	3.99	12.50	82.40	13.75	6.7822
Raccoon	1	4.09	4.09	13.14	86.60	14.45	6.4546
Dog	7	1.57	4.71	13.55	89.80	15.45	6.2903
Otter	1	4.22	4.22	13.99	92.20	14.97	6.0631
Cat	1	4.50	4.50	15.90	104.80	16.38	5.3320
Hare	1	4.72	4.72	17.50	115.30	17.50	4.8466
Coyote	7	1.91	5.73	20.06	132.90	22.86	4.2502
Hyena	7	1.93	5.79	20.48	135.70	25.35	4.1624
Tiger	7	2.36	7.08	30.62	202.80	34.91	2.7839
Skunk	7	2.59	7.77	36.88	244.30	42.04	2.3114
Wolf	7	2.59	7.77	36.88	244.30	42.04	2.3114
Horse	7	2.79	8.37	42.79	283.50	48.79	1.9919
Lynx	7	2.79	8.37	42.79	283.50	48.79	1.9919
Antelope	7	2.97	8.91	48.49	321.20	55.28	1.7578
Panther	7	3.00	9.00	49.48	327.80	56.41	1.7228
Bison	7	3.00	9.00	49.48	327.80	56.41	1.7228
Lion	7	3.18	9.54	55.59	368.30	63.38	1.5333
Zebra	7	3.18	9.54	55.59	368.30	63.38	1.5333
Bear	7	3.35	10.05	61.70	408.70	69.16	1.3816
Camel	7	3.35	10.05	61.70	408.70	69.16	1.3816
Moose	7	3.53	10.59	68.51	453.80	74.19	1.2443
Goat	7	3.71	11.13	75.67	501.30	79.08	1.1265
Sheep	7	3.99	11.97	87.52	579.80	91.46	0.9739
Deer	7	4.27	12.81	100.24	664.00	101.89	0.8504
Elk	7	4.50	13.50	111.33	737.50	108.93	0.7657