

Core of Conductor / GA(X) or MA(X)

Core of Conductor GA(X) or MA(X) (ASTM B232)										
Code Name	Strands No.	Diameter (mm)		Area (mm ²)	Weight of Core (kg/km)	Rated Strength (by type and coating of steel wires) (kN)				DC Resistance at 20 °C (Ω/km)
	St.	St.	Total	Total	Total	GA2 or MA2	GA3 or MA3	GA4 or MA4	GA5 or MA5	
Turkey	1	1.68	1.68	2.21	17.22	2.78	3.08	3.29	3.36	86.5327
Swan	1	2.12	2.12	3.52	27.42	4.43	4.91	5.24	5.35	54.3564
Swanate	1	2.61	2.61	5.37	41.74	6.59	7.26	7.80	7.98	35.7069
Sparrow	1	2.67	2.67	5.61	43.63	6.89	7.59	8.16	8.34	34.1626
Robin	1	3.00	3.00	7.07	54.98	8.68	9.57	10.28	10.52	27.1071
Waxwing	1	3.09	3.09	7.50	58.39	8.93	9.94	10.66	10.91	25.5271
Sparate	1	3.30	3.30	8.55	66.52	10.18	11.33	12.15	12.44	22.4060
Raven	1	3.37	3.37	8.92	69.42	10.62	11.82	12.68	12.98	21.4705
Swift	1	3.38	3.38	8.95	69.63	10.65	11.86	12.72	13.02	21.4059
Merlin	1	3.47	3.47	9.47	73.66	11.27	12.54	13.45	13.77	20.2323
Coot	1	3.77	3.77	11.19	87.05	12.57	14.39	15.57	15.90	17.1216
Chickadee	1	3.77	3.77	11.19	87.05	12.57	14.39	15.57	15.90	17.1216
Quail	1	3.78	3.78	11.23	87.40	12.62	14.45	15.64	15.96	17.0527
Catbird	1	4.14	4.14	13.43	104.48	15.08	17.28	18.69	19.08	14.2651
Pelican	1	4.14	4.14	13.43	104.48	15.08	17.28	18.69	19.08	14.2651
Grouse	1	4.24	4.24	14.13	109.94	15.87	18.18	19.67	20.08	13.5566
Pigeon	1	4.25	4.25	14.17	110.20	15.91	18.22	19.72	20.13	13.5242
Tanager	1	4.30	4.30	14.54	113.12	16.33	18.70	20.24	20.66	13.1752
Osprey	1	4.47	4.47	15.66	121.83	17.59	20.14	21.80	22.25	12.2333
Penguin	1	4.77	4.77	17.87	139.03	20.07	22.99	24.88	25.39	10.7199
Skylark	1	4.78	4.78	17.91	139.33	20.11	23.04	24.93	25.44	10.6971
Kingbird	1	4.78	4.78	17.91	139.33	20.11	23.04	24.93	25.44	10.6971
Partridge	7	2.00	6.00	22.02	172.03	27.70	30.66	32.77	33.41	8.7331
Ostrich	7	2.12	6.36	24.73	193.17	31.10	34.42	36.80	37.51	7.7776
Brant	7	2.18	6.54	26.11	203.95	32.84	36.35	38.85	39.60	7.3662
Linnet	7	2.25	6.74	27.72	216.50	34.86	38.58	41.24	42.04	6.9393
Tern	7	2.25	6.75	27.84	217.48	35.01	38.76	41.43	42.23	6.9080
Petrel	7	2.34	7.02	30.09	235.00	36.97	40.72	43.76	44.77	6.3929
Flicker	7	2.39	7.16	31.34	244.80	38.51	42.42	45.58	46.63	6.1371
Ruddy	7	2.40	7.19	31.54	246.37	38.76	42.69	45.87	46.93	6.0981
Ibis	7	2.44	7.32	32.76	255.86	40.25	44.34	47.64	48.74	5.8718
Minorca	7	2.44	7.32	32.76	255.86	40.25	44.34	47.64	48.74	5.8718

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	St.	St.	Total	Total	Total	GA2 or MA2	GA3 or MA3	GA4 or MA4	GA5 or MA5	
Rail	7	2.47	7.40	33.44	261.21	41.09	45.27	48.64	49.76	5.7515
Ortolan	7	2.57	7.70	36.18	282.62	44.46	48.98	52.62	53.84	5.3159
Parakeet	7	2.58	7.73	36.54	285.42	44.90	49.46	53.14	54.37	5.2636
Bluejay	7	2.66	7.99	39.03	304.86	47.96	52.83	56.76	58.08	4.9280
Hawk	7	2.67	8.02	39.33	307.19	48.33	53.23	57.20	58.52	4.8906
Peacock	7	2.69	8.07	39.78	310.70	48.88	53.84	57.85	59.19	4.8353
Oriole	7	2.69	8.07	39.78	310.70	48.88	53.84	57.85	59.19	4.8353
Lenhorn	7	2.69	8.07	39.78	310.70	48.88	53.84	57.85	59.19	4.8353
Bunting	7	2.76	8.27	41.75	326.15	51.31	56.52	60.73	62.13	4.6064
Rook	7	2.76	8.27	41.75	326.15	51.31	56.52	60.73	62.13	4.6064
Flamingo	7	2.82	8.47	43.78	341.97	53.80	59.26	63.67	65.14	4.3933
Bittern	7	2.85	8.54	44.57	348.15	54.77	60.33	64.82	66.32	4.3153
Dove	7	2.89	8.67	45.93	358.79	56.44	62.18	66.81	68.35	4.1873
Stilt	7	2.92	8.77	46.99	367.03	57.74	63.60	68.34	69.92	4.0932
Lark	7	2.92	8.77	46.99	367.03	57.74	63.60	68.34	69.92	4.0932
Guinea	7	2.92	8.77	46.99	367.03	57.74	63.60	68.34	69.92	4.0932
Dipper	7	2.93	8.80	47.32	369.59	58.14	64.05	68.82	70.41	4.0649
Kiwi	7	2.94	8.82	47.48	370.87	58.34	64.27	69.05	70.65	4.0509
Squab	7	3.01	9.04	49.89	389.70	61.30	67.53	72.56	74.24	3.8552
Bobolink	7	3.02	9.06	50.14	391.67	61.62	67.87	72.93	74.61	3.8358
Condor	7	3.08	9.24	52.19	407.64	62.12	69.14	74.15	75.90	3.6855
Cuckoo	7	3.08	9.24	52.19	407.64	62.12	69.14	74.15	75.90	3.6855
Dotterel	7	3.08	9.25	52.27	408.31	62.23	69.25	74.27	76.03	3.6794
Grosbeak	7	3.09	9.27	52.45	409.66	62.43	69.48	74.51	76.28	3.6673
Nuthatch	7	3.10	9.30	52.88	413.04	62.95	70.05	75.13	76.91	3.6374
Gannet	7	3.16	9.49	54.98	429.43	65.44	72.83	78.11	79.96	3.4985
Lapwing	7	3.18	9.55	55.69	434.97	66.29	73.77	79.12	80.99	3.4540
Hen	7	3.20	9.61	56.40	440.54	67.14	74.72	80.13	82.03	3.4103
Dorking	7	3.20	9.61	56.40	440.54	67.14	74.72	80.13	82.03	3.4103
Starling	7	3.28	9.83	59.02	461.04	70.26	78.19	83.86	85.84	3.2587
Canary	7	3.28	9.84	59.11	461.75	70.37	78.32	83.99	85.98	3.2536
Cochin	7	3.37	10.11	62.46	487.86	74.35	82.74	88.74	90.84	3.0795

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		St.	Total	Total	Total	GA2 or MA2	GA3 or MA3	GA4 or MA4	GA5 or MA5	
Cardinal	7	3.38	10.13	62.65	489.33	74.57	82.99	89.01	91.11	3.0702
Thrasher	19	2.07	10.34	63.79	498.26	77.71	86.02	91.95	93.73	3.0152
Drake	7	3.45	10.36	65.60	512.43	78.09	86.91	93.21	95.41	2.9318
Eagle	7	3.46	10.38	65.80	513.94	78.32	87.17	93.48	95.69	2.9232
Curlew	7	3.51	10.54	67.84	529.91	80.76	89.87	96.39	98.67	2.8351
Teal	19	2.16	10.82	69.88	545.87	85.14	94.24	100.74	102.69	2.7522
Wood Duck	7	3.61	10.82	71.52	558.64	80.33	92.00	99.55	101.61	2.6893
Finch	19	2.19	10.95	71.53	558.76	87.15	96.46	103.12	105.11	2.6887
Chukar	19	2.22	11.10	73.54	574.43	89.59	99.17	106.01	108.06	2.6154
Egret	19	2.22	11.10	73.54	574.43	89.59	99.17	106.01	108.06	2.6154
Scoter	7	3.70	11.09	75.19	587.33	84.45	96.73	104.67	106.83	2.5580
Grackle	19	2.27	11.33	76.60	598.33	93.32	103.29	110.42	112.56	2.5109
Pheasant	19	2.34	11.70	81.66	637.87	97.21	107.08	115.06	117.72	2.3553
Redwing	19	2.35	11.76	82.55	644.81	98.27	108.25	116.31	119.00	2.3299
Martin	19	2.41	12.05	86.70	677.24	103.21	113.69	122.16	124.98	2.2184
Bluebird	19	2.44	12.20	88.91	694.48	105.84	116.59	125.27	128.16	2.1633
Plover	19	2.48	12.41	91.89	717.80	109.39	120.50	129.47	132.47	2.0930
Mallard	19	2.48	12.41	91.89	717.80	109.39	120.50	129.47	132.47	2.0930
Brahma	19	2.48	12.41	91.89	717.80	109.39	120.50	129.47	132.47	2.0930
Parrot	19	2.55	12.74	96.85	756.51	115.29	127.00	136.46	139.61	1.9859
Falcon	19	2.62	13.08	102.13	797.78	121.58	133.93	143.90	147.23	1.8832

Core of Conductor / GA2

Core of Conductor / GA2 (BS EN 50182)							
Code Name	Strands No.	Diameter (mm)		Area (mm ²)	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	13.75	2.07	108.6530
Squirrel	1	2.11	2.11	3.50	27.20	4.09	54.9110
Gopher	1	2.36	2.36	4.37	34.03	4.99	43.8935
Weasel	1	2.59	2.59	5.27	40.99	6.01	36.4439
Fox	1	2.79	2.79	6.11	47.56	6.97	31.4062
Ferret	1	3.00	3.00	7.07	54.99	7.78	27.1632
Cougar	1	3.05	3.05	7.31	56.80	8.04	26.2799
Rabbit	1	3.35	3.35	8.81	68.57	9.70	21.7838
Dingo	1	3.35	3.35	8.81	68.60	9.70	21.7838
Caracal	1	3.61	3.61	10.24	79.60	11.26	18.7590
Mink	1	3.66	3.66	10.52	81.85	11.57	18.2499
Jaguar	1	3.86	3.86	11.70	91.00	12.87	16.4078
Beaver	1	3.99	3.99	12.50	97.30	13.75	15.3560
Raccoon	1	4.09	4.09	13.14	102.20	14.45	14.6143
Dog	7	1.57	4.71	13.55	106.00	15.06	14.2423
Otter	1	4.22	4.22	13.99	108.80	15.38	13.7277
Cat	1	4.50	4.50	15.90	123.70	17.49	12.0726
Hare	1	4.72	4.72	17.50	136.10	19.25	10.9734
Coyote	7	1.91	5.73	20.06	156.80	22.29	9.6230
Hyena	7	1.93	5.79	20.48	160.20	22.76	9.4244
Tiger	7	2.36	7.08	30.62	239.50	33.16	6.3031
Skunk	7	2.59	7.77	36.88	288.40	39.94	5.2333
Wolf	7	2.59	7.77	36.88	288.40	39.94	5.2333
Horse	7	2.79	8.37	42.79	334.70	44.72	4.5099
Lynx	7	2.79	8.37	42.79	334.70	44.72	4.5099
Antelope	7	2.97	8.91	48.49	379.20	50.68	3.9798
Panther	7	3.00	9.00	49.48	386.90	51.71	3.9006
Bison	7	3.00	9.00	49.48	386.90	51.71	3.9006
Lion	7	3.18	9.54	55.59	434.80	58.10	3.4716
Zebra	7	3.18	9.54	55.59	434.80	58.10	3.4716
Bear	7	3.35	10.05	61.70	482.50	64.47	3.1282
Camel	7	3.35	10.05	61.70	482.50	64.47	3.1282
Moose	7	3.53	10.59	68.51	535.70	71.59	2.8173
Goat	7	3.71	11.13	75.67	591.80	79.08	2.5505
Sheep	7	3.99	11.97	87.52	684.50	91.46	2.2051
Deer	7	4.27	12.81	100.24	783.90	104.75	1.9254
Elk	7	4.50	13.50	111.33	870.60	116.34	1.7336