

**Overhead electrical conductors - Aluminium Conductors Steel Supported, concentric-lay-stranded. (as per ASTM B856 metric dimensions)**

Conductor Code Name	Stranding		Cross Section Areas			Diameters		Linear mass			DC Resistance at 20°C			Rated strength				Ampacity	
	Aluminum	Steel	Aluminum	Steel	Total	Steel core	Overall	14EHSA	20EHSA	MU/EHST	14EHSA	20EHSA	MU/EHST	MEHST	MUHST	20EHSA	14EHSA	at 75°	at 200°C
	N0xDiameter wires (mm)	N0xDiameter wires (mm)	mm²	mm²	mm²	mm	mm	kg/km			Ω/km			kN				A	
PARTRIDGE	26x2.57	7x2.00	134.87	21.99	156.87	6	16.28	534.6	519.2	545.5	0.2043	0.2010	0.2075	47.90	50.98	43.39	47.90	446	788
JUNCO	30x2.40	7x2.40	135.72	31.67	167.38	7.2	16.8	607.8	585.5	623.4	0.1999	0.1954	0.2044	64.50	67.99	57.85	64.50	453	802
OSTRICH	26x2.73	7x2.12	152.19	24.71	176.90	6.36	17.28	602.5	585.1	614.7	0.1811	0.1782	0.1839	53.86	57.32	48.80	53.86	482	852
WIDGEON	24x3.01	7x2.00	170.78	21.99	192.77	6	18.04	634.1	618.7	644.9	0.1626	0.1605	0.1646	49.97	53.05	45.46	49.97	516	913
LINNET	26x2.89	7x2.25	170.55	27.83	198.39	6.75	18.31	676.2	656.7	689.9	0.1616	0.1590	0.1641	60.62	64.51	54.91	60.62	519	918
ORIOLE	30x2.69	7x2.69	170.50	39.78	210.28	8.07	18.83	763.5	735.6	783.1	0.1591	0.1555	0.1627	81.03	85.41	72.68	81.03	524	930
STORK	22x3.41	7x1.90	200.92	19.85	220.77	5.7	19.34	701.9	688.0	711.7	0.1391	0.1378	0.1405	47.79	50.57	43.73	47.79	594	1055
BRANT	24x3.27	7x2.18	201.56	26.13	227.68	6.54	19.62	749.7	731.3	762.5	0.1377	0.1360	0.1395	59.29	62.95	53.94	59.29	599	1063
IBIS	26x3.14	7x2.44	201.34	32.73	234.07	7.32	19.88	797.4	774.4	813.5	0.1369	0.1347	0.1390	70.19	73.79	63.31	70.19	602	1069
LARK	30x2.92	7x2.92	200.90	46.88	247.77	8.76	20.44	899.7	866.8	922.8	0.1351	0.1320	0.1381	95.48	100.64	85.64	95.48	608	1082
TOUCAN	22x3.74	7x2.08	241.69	23.79	265.47	6.24	21.2	843.7	827.0	855.4	0.1157	0.1145	0.1168	57.33	60.66	52.45	57.33	666	1190
FLICKER	24x3.58	7x2.39	241.58	31.40	272.99	7.17	21.49	899.2	877.1	914.6	0.1149	0.1134	0.1164	70.13	73.58	63.53	70.13	670	1196
HAWK	26x3.44	7x2.67	241.65	39.19	280.84	8.01	21.77	956.4	928.8	975.6	0.1141	0.1122	0.1159	84.07	88.39	75.84	84.07	674	1204
HEN	30x3.20	7x3.20	241.27	56.30	297.57	9.6	22.4	1080.5	1041.0	1108.2	0.1125	0.1099	0.1150	112.98	118.61	100.88	112.98	678	1215
HERON	30x3.28	7x3.28	253.49	59.15	312.64	9.84	22.96	1135.2	1093.7	1164.3	0.1070	0.1046	0.1094	118.70	124.62	105.98	118.70	702	1260
TODY	20x4.24	7x1.88	282.39	19.43	301.82	5.64	22.6	924.6	911.0	934.2	0.0997	0.0990	0.1004	51.73	54.45	47.74	51.73	730	1308
SAPSUCKER	22x4.04	7x2.24	282.02	27.59	309.60	6.72	22.88	983.3	963.9	996.8	0.0992	0.0982	0.1001	66.59	70.45	60.93	66.59	733	1315
PARAKEET	24x3.87	7x2.58	282.31	36.60	318.90	7.74	23.22	1050.0	1024.3	1068.0	0.0983	0.0971	0.0996	81.77	85.79	74.08	81.77	738	1325
DOVE	26x3.72	7x2.89	282.59	45.92	328.50	8.67	23.55	1119.0	1086.7	1141.6	0.0975	0.0960	0.0991	98.47	103.52	88.83	98.47	742	1334
EAGLE	30x3.46	7x3.46	282.07	65.82	347.89	10.38	24.22	1263.2	1217.0	1295.6	0.0962	0.0940	0.0983	132.09	138.67	117.94	132.09	750	1351
PEACOCK	24x4.03	7x2.69	306.13	39.78	345.92	8.07	24.19	1139.3	1111.4	1158.9	0.0907	0.0895	0.0918	88.84	93.22	80.49	88.84	747	1345
SQUAB	26x3.87	7x3.01	305.83	49.81	355.64	9.03	24.51	1211.9	1176.9	1236.4	0.0901	0.0887	0.0915	106.78	112.26	96.32	106.78	780	1406
WOOD DUCK	30x3.61	7x3.61	307.06	71.65	378.71	10.83	25.27	1375.1	1324.8	1410.4	0.0884	0.0864	0.0903	141.28	148.44	126.23	141.28	791	1425
TEAL	30x3.61	19x2.16	307.06	69.62	376.68	10.8	25.24	1363.4	1314.4	1397.7	0.0887	0.0867	0.0906	144.75	154.50	130.48	144.75	790	1423
TURACO	20x4.53	7x2.01	322.34	22.21	344.55	6.03	24.15	1055.6	1040.0	1066.6	0.0873	0.0867	0.0879	59.10	62.21	54.55	59.10	793	1426
GOLDFINCH	22x4.32	7x2.40	322.46	31.67	354.13	7.2	24.48	1125.2	1102.9	1140.8	0.0867	0.0858	0.0875	75.26	78.74	68.61	75.26	797	1436
ROOK	24x4.14	7x2.76	323.07	41.88	364.95	8.28	24.84	1201.6	1172.2	1222.2	0.0859	0.0848	0.0870	93.57	98.18	84.78	93.57	802	1447
GROSBEAK	26x3.97	7x3.09	321.84	52.49	374.34	9.27	25.15	1275.9	1239.0	1301.7	0.0856	0.0842	0.0870	110.93	116.18	99.64	110.93	805	1453
SCOTER	30x3.70	7x3.70	322.56	75.26	397.83	11.1	25.9	1444.6	1391.7	1481.6	0.0841	0.0822	0.0860	148.41	155.94	132.61	148.41	815	1474
EGRET	30x3.70	19x2.22	322.56	73.54	396.11	11.1	25.9	1435.2	1383.4	1471.5	0.0844	0.0825	0.0863	152.80	163.09	137.72	152.80	814	1472
FLAMINGO	24x4.23	7x2.82	337.27	43.72	380.99	8.46	25.38	1254.4	1223.7	1275.9	0.0823	0.0812	0.0834	97.69	102.50	88.51	97.69	824	1488
GANNET	26x4.07	7x3.16	338.26	54.90	393.16	9.48	25.76	1339.0	1300.4	1366.0	0.0815	0.0802	0.0828	116.11	121.60	104.30	116.11	830	1500
STILT	24x4.39	7x2.92	363.27	46.88	410.15	8.76	26.32	1349.6	1316.6	1372.6	0.0764	0.0754	0.0774	104.83	109.99	94.99	104.83	862	1561
STARLING	26x4.21	7x3.28	361.93	59.15	421.08	9.84	26.68	1435.7	1394.1	1464.8	0.0761	0.0749	0.0773	124.95	130.86	112.23	124.95	865	1569
REDWING	30x3.92	19x2.35	362.06	82.41	444.47	11.75	27.43	1609.9	1551.9	1650.6	0.0752	0.0735	0.0769	168.37	177.43	151.06	168.37	874	1587
MACAW	42x3.50	7x1.94	404.09	20.69	424.78	5.82	26.82	1271.0	1256.5	1281.2	0.0699	0.0696	0.0703	61.04	63.93	56.80	61.04	887	1561
TURBINA	20x5.06	7x2.25	402.18	27.83	430.01	6.75	26.99	1318.0	1298.4	1331.7	0.0700	0.0695	0.0705	73.96	77.86	68.25	73.96	908	1649
TERN	45x3.38	7x2.25	403.77	27.83	431.60	6.75	27.03	1322.4	1302.8	1336.1	0.0697	0.0692	0.0702	74.05	77.95	68.35	74.05	889	1565
PUFFINA	22x4.83	7x2.68	403.09	39.49	442.58	8.04	27.36	1405.8	1378.1	1425.2	0.0694	0.0687	0.0700	93.90	98.24	85.61	93.90	915	1662
CUCKOO	24x4.62	7x3.08	402.33	52.15	454.49	9.24	27.72	1496.4	1459.8	1522.1	0.0690	0.0681	0.0699	114.97	120.18	103.75	114.97	918	1670
CONDOR	54x3.08	7x3.08	402.33	52.15	454.49	9.24	27.72	1496.4	1459.8	1522.1	0.0690	0.0681	0.0699	114.97	120.18	103.75	114.97	896	1582
DRAKE	26x4.44	7x3.45	402.56	65.44	468.00	10.35	28.11	1594.3	1548.3	1626.5	0.0685	0.0674	0.0695	138.36	144.90	124.29	138.36	924	1681
MALLARD	30x4.14	19x2.48	403.84	91.78	495.62	12.4	28.96	1794.7	1730.1	1839.9	0.0674	0.0659	0.0689	187.55	197.64	168.27	187.55	935	1705
RUDDY	45x3.59	7x2.40	455.50	31.67	487.17	7.2	28.74	1493.8	1471.5	1509.4	0.0618	0.0613	0.0622	82.92	86.40	76.27	82.92	956	1692
CANARY	54x3.28	7x3.28	456.28	59.15	515.43	9.84	29.52	1697.1	1655.5	1726.2	0.0608	0.0601	0.0616	130.38	136.30	117.66	130.38	968	1714
PHOENIX	42x3.83	7x2.13	483.88	24.94	508.82	6.39	29.37	1523.2	1505.7	1535.5	0.0584	0.0581	0.0587	73.39	76.88	68.28	73.39	989	1752
CORNCRAKE	20x5.55	7x2.47	483.84	33.54	517.39	7.41	29.61	1586.0	1562.4	1602.5	0.0582	0.0578	0.0586	87.91	91.60	80.86	87.91	1017	1860
RAIL	45x3.70	7x2.47	483.84	33.54	517.39	7.41	29.61	1586.0	1562.4	1602.5	0.0582	0.0578	0.0586	87.91	91.60	80.86	87.91	992	1758
TOWHEE	48x3.58	7x2.79	483.17	42.80	525.96	8.37	29.85	1651.9	1621.8	1672.9	0.0580	0.0575	0.0585	104.43	109.14	95.45	104.43	995	1763

REDBIRD	24x5.06	7x3.38	482,62	62,81	545,43	10,14	30,38	1796,8	1752,7	1827,7	0,0575	0,0568	0,0582	138,34	144,62	124,84	138,34	1027	1882
CARDINAL	54x3.38	7x3.38	484,53	62,81	547,33	10,14	30,42	1802,1	1758,0	1833,0	0,0573	0,0566	0,0580	138,45	144,73	124,95	138,45	1003	1782
CANVASBACK	30x4.53	19x2.72	483,51	110,40	593,92	13,6	31,72	2152,5	2074,8	2207,0	0,0563	0,0551	0,0575	225,47	237,62	202,29	225,47	1045	1920
SNOWBIRD	42x3.99	7x2.21	525,15	26,85	552,00	6,63	30,57	1651,5	1632,6	1664,7	0,0538	0,0535	0,0541	79,25	83,01	73,75	79,25	1039	1845
ORTOLAN	45x3.85	7x2.57	523,87	36,31	560,18	7,71	30,81	1717,2	1691,7	1735,1	0,0537	0,0533	0,0541	95,17	99,17	87,55	95,17	1040	1849
WHOOPER	48x3.73	7x2.90	524,50	46,24	570,74	8,7	31,08	1791,6	1759,1	1814,3	0,0534	0,0530	0,0539	112,97	118,06	103,26	112,97	1044	1858
CURLEW	54x3.51	7x3.51	522,51	67,73	590,25	10,53	31,59	1943,4	1895,8	1976,7	0,0531	0,0524	0,0538	149,31	156,08	134,74	149,31	1049	1869
AVOCET	42x4.14	7x2.30	565,38	29,08	594,46	6,9	31,74	1779,3	1758,9	1793,6	0,0500	0,0497	0,0502	84,62	87,82	78,52	84,62	1087	1935
BLUEJAY	45x4.00	7x2.66	565,49	38,90	604,39	7,98	31,98	1851,4	1824,1	1870,6	0,0498	0,0494	0,0501	102,20	106,48	94,03	102,20	1089	1941
BULLFINCH	48x3.87	7x3.01	564,62	49,81	614,43	9,03	32,25	1928,9	1893,9	1953,4	0,0496	0,0492	0,0501	121,68	127,16	111,22	121,68	1092	1947
FINCH	54x3.65	19x2.19	565,03	71,57	636,60	10,95	32,85	2098,0	2047,6	2133,2	0,0494	0,0488	0,0500	163,16	173,18	148,49	163,16	1098	1960
OXBIRD	42x4.28	7x2.38	604,26	31,14	635,41	7,14	32,82	1902,1	1880,2	1917,4	0,0468	0,0465	0,0470	90,55	93,97	84,01	90,55	1131	2018
BUNTING	45x4.14	7x2.76	605,76	41,88	647,64	8,28	33,12	1984,8	1955,4	2005,4	0,0465	0,0461	0,0468	109,86	114,46	101,06	109,86	1136	2029
CORMORANT	48x4.00	7x3.11	603,19	53,18	656,36	9,33	33,33	2060,4	2023,0	2086,5	0,0465	0,0460	0,0469	128,33	133,65	116,90	128,33	1137	2030
GRACKLE	54x3.77	19x2.27	602,79	76,89	679,68	11,35	33,97	2242,1	2188,0	2280,1	0,0463	0,0457	0,0469	175,05	185,82	159,29	175,05	1141	2042
SCISSORTAIL	42x4.42	7x2.46	644,44	33,27	677,71	7,38	33,9	2029,0	2005,6	2045,4	0,0439	0,0436	0,0441	96,67	100,33	89,69	96,67	1174	2102
BITTERN	45x4.27	7x2.85	644,40	44,66	689,06	8,55	34,17	2112,2	2080,8	2134,2	0,0437	0,0434	0,0440	117,05	121,96	107,67	117,05	1178	2109
DIVER	48x4.14	7x3.22	646,15	57,00	703,15	9,66	34,5	2207,4	2167,4	2235,5	0,0434	0,0430	0,0437	137,54	143,24	125,29	137,54	1184	2123
PHEASANT	54x3.90	19x2.34	645,08	81,71	726,79	11,7	35,1	2395,2	2337,7	2435,5	0,0433	0,0427	0,0438	183,42	192,41	166,26	183,42	1188	2131
RINGDOVE	42x4.56	7x2.53	685,91	35,19	721,10	7,59	34,95	2157,9	2133,2	2175,3	0,0412	0,0410	0,0414	102,50	106,37	95,11	102,50	1218	2186
DIPPER	45x4.40	7x2.93	684,24	47,20	731,44	8,79	35,19	2241,2	2208,0	2264,4	0,0411	0,0408	0,0414	123,90	129,09	113,98	123,90	1221	2191
none-	48x4.26	7x3.31	684,15	60,23	744,38	9,93	35,49	2336,3	2294,0	2366,0	0,0410	0,0406	0,0413	145,42	151,44	132,47	145,42	1225	2200
MARTIN	54x4.02	19x2.41	685,39	86,67	772,06	12,05	36,17	2543,8	2482,8	2586,5	0,0407	0,0402	0,0412	194,62	204,15	176,42	194,62	1232	2215
POPINJAY	42x4.69	7x2.61	725,58	37,45	763,03	7,83	35,97	2284,4	2258,1	2302,8	0,0389	0,0387	0,0391	108,83	112,95	100,97	108,83	1260	2267
BOBOLINK	45x4.53	7x3.02	725,27	50,14	775,41	9,06	36,24	2376,4	2341,2	2401,1	0,0388	0,0385	0,0391	131,53	137,05	121,00	131,53	1262	2273
WAGTAIL	48x4.39	7x3.41	726,54	63,93	790,47	10,23	36,57	2480,8	2435,9	2512,3	0,0386	0,0382	0,0389	154,36	160,76	140,62	154,36	1268	2284
PLOVER	54x4.14	19x2.48	726,92	91,78	818,70	12,4	37,24	2696,9	2632,3	2742,1	0,0384	0,0379	0,0389	206,16	216,25	186,88	206,16	1274	2298
NUTHATCH	45x4.65	7x3.10	764,20	52,83	817,04	9,3	37,2	2504,0	2466,8	2530,0	0,0368	0,0366	0,0371	137,01	142,29	125,65	137,01	1302	2349
PARROT	54x4.25	19x2.55	766,06	97,03	863,09	12,75	38,25	2844,4	2776,1	2892,2	0,0364	0,0360	0,0369	217,82	228,49	197,44	217,82	1315	2376
RATITE	42x4.94	7x2.75	804,99	41,58	846,57	8,25	37,89	2534,6	2505,4	2555,1	0,0351	0,0349	0,0353	120,79	125,36	112,06	120,79	1338	2418
LAPWING	45x4.78	7x3.18	807,53	55,60	863,12	9,54	38,22	2644,2	2605,2	2671,6	0,0349	0,0346	0,0351	144,36	149,92	132,41	144,36	1344	2431
HORNBILL	48x4.62	7x3.60	804,66	71,25	875,92	10,8	38,52	2750,9	2700,8	2785,9	0,0348	0,0345	0,0351	169,26	176,38	154,29	169,26	1346	2437
FALCON	54x4.36	19x2.62	806,23	102,43	908,66	13,1	39,26	2995,8	2923,7	3046,3	0,0346	0,0342	0,0351	229,80	241,06	208,29	229,80	1353	2452
CHUKAR	84x3.70	19x2.22	903,18	73,54	976,72	11,1	40,7	3053,9	3002,1	3090,1	0,0312	0,0310	0,0315	186,24	196,54	171,16	186,24	1434	2642
SEAHAWK	68x4.21	7x2.34	946,59	30,10	976,70	7,02	40,7	2855,7	2834,6	2870,5	0,0301	0,0300	0,0302	108,41	111,72	102,09	108,41	1462	2695
MOCKINGBIRD	72x4.27	7x2.85	1031,05	44,66	1075,70	8,55	42,71	3197,4	3166,0	3219,3	0,0276	0,0275	0,0277	139,32	144,23	129,94	139,32	1537	2853
ROADRUNNER	76x4.18	19x1.95	1042,93	56,74	1099,68	9,75	43,19	3319,8	3279,8	3347,7	0,0272	0,0271	0,0274	163,63	171,57	152,00	163,63	1550	2877
BLUEBIRD	84x4.07	19x2.44	1092,84	88,84	1181,69	12,2	44,76	3694,1	3631,6	3737,9	0,0258	0,0256	0,0260	221,98	231,75	203,32	221,98	1610	3005
KIWI	72x4.41	7x2.94	1099,76	47,52	1147,28	8,82	44,1	3409,7	3376,3	3433,0	0,0259	0,0258	0,0260	148,41	153,64	138,43	148,41	1597	2975
THRASHER	76x4.43	19x2.07	1171,42	63,94	1235,36	10,35	45,79	3730,3	3685,2	3761,8	0,0242	0,0241	0,0244	184,17	193,12	171,06	184,17	1660	3109
JOREE	76x4.62	19x2.16	1274,05	69,62	1343,68	10,8	47,76	4057,7	4008,6	4092,0	0,0223	0,0221	0,0224	200,45	210,19	186,17	200,45	1715	3220

AMPACITY: Concern ACSS with MUHST or MEHST, According to CIGRE Brochure 207-2002 between 25° and indicated temperature, solar radiation 1000W/m², 0.6m/s Emissivity:0.5, absorptivity: 0.5  
Steel 14EHS, 20SA, MUHST and MEHST are according to EN 50540