

ASTM SIZES																							
ACCC®	Conductor		Diameter		Core Diameter		Weight		Core Rated Strength		Cond. Rated Strength		DC @ 20°C		AC @ 25°C		AC @ 75°C		AC @ 180°C		#Ampacity		
ATSM Size	(kcmil)	(mm²)	(in)	(mm)	(in)	(mm)	(lb/ft)	(kg/km)	(lbf)	(kN)	(lbf)	(kN)	(ohm/mile)	(ohm/km)	(ohm/mile)	(ohm/km)	(ohm/mile)	(ohm/km)	(ohm/mile)	(ohm/km)	75°C	180°C	200°C
OCEANSIDE	383	194.2	0.680	17.27	0.235	5.97	396	589	13,600	60.4	16,000	71.2	0.2319	0.1441	0.2374	0.1475	0.2841	0.1765	0.3822	0.2375	558	938	987
LINNET	430	218.1	0.720	18.29	0.235	5.97	440	655	13,600	60.4	16,300	72.5	0.2122	0.1319	0.2103	0.1307	0.2517	0.1564	0.3386	0.2104	602	1,014	1,067
ORIOLE	439	222.3	0.741	18.82	0.280	7.11	463	689	19,300	85.7	22,100	98.3	0.2019	0.1255	0.2065	0.1283	0.2471	0.1535	0.3324	0.2065	612	1,033	1,087
WACO	454	230.1	0.770	19.56	0.305	7.75	485	721	22,900	101.7	25,800	114.8	0.1951	0.1212	0.1996	0.1240	0.2395	0.1488	0.3233	0.2009	628	1,060	1,115
LAREDO	530	268.4	0.807	20.50	0.280	7.11	548	816	19,300	85.7	22,700	101.0	0.1671	0.1038	0.1712	0.1064	0.2053	0.1276	0.2769	0.1720	686	1,162	1,223
IRVING	609	308.8	0.882	22.40	0.345	8.76	649	965	29,300	130.2	33,200	147.7	0.1454	0.0903	0.1491	0.0926	0.1788	0.1111	0.2411	0.1498	753	1,280	1,348
HAWK	611	309.7	0.858	21.79	0.280	7.11	625	930	19,300	85.7	23,200	103.2	0.1448	0.0900	0.1485	0.0923	0.1760	0.1094	0.2338	0.1452	753	1,289	1,358
DOVE	714	361.5	0.927	23.55	0.305	7.75	728	1083	22,900	101.7	27,500	122.3	0.1240	0.0771	0.1274	0.0792	0.1524	0.0947	0.2049	0.1273	826	1,410	1,485
AMARILLO	785	397.6	0.990	25.14	0.375	9.53	827	1231	34,600	153.8	39,600	176.1	0.1131	0.0702	0.1168	0.0725	0.1400	0.0870	0.1890	0.1174	877	1,498	1,579
GROSBEAK	821	416.2	0.990	25.15	0.320	8.13	837	1245	25,200	112.0	30,400	135.2	0.1081	0.0672	0.1114	0.0692	0.1334	0.0829	0.1796	0.1116	898	1,537	1,620
LUBBOCK	904	458.0	1.040	26.42	0.345	8.76	924	1375	29,300	130.2	35,100	156.1	0.0979	0.0608	0.1011	0.0628	0.1210	0.0752	0.1628	0.1011	955	1,640	1,729
GALVESTON	1011	512.4	1.090	27.69	0.345	8.76	1025	1525	29,300	130.2	35,700	158.8	0.0875	0.0544	0.0907	0.0564	0.1084	0.0674	0.1456	0.0905	1,022	1,759	1,856
DRAKE	1026	519.7	1.108	28.14	0.375	9.53	1052	1565	34,600	153.8	41,200	183.3	0.0863	0.0536	0.0892	0.0554	0.1065	0.0662	0.1428	0.0888	1,036	1,786	1,884
CURLEW	1033	523.4	1.140	28.96	0.415	10.54	1082	1610	42,300	188.3	49,000	218.0	0.0862	0.0535	0.0898	0.0558	0.1069	0.0664	0.1429	0.0888	1,041	1,801	1,901
PLANO	1059	536.8	1.127	28.63	0.345	8.76	1073	1597	29,300	130.2	36,000	160.1	0.0840	0.0522	0.0876	0.0544	0.1045	0.0649	0.1400	0.0870	1,050	1,813	1,913
CORPUS CHRISTI	1103	558.9	1.146	29.11	0.345	8.76	1113	1656	29,300	130.2	36,300	161.5	0.0806	0.0501	0.0843	0.0524	0.1005	0.0625	0.1346	0.0836	1,075	1,859	1,962
ARLINGTON	1151	583.2	1.177	29.90	0.375	9.53	1173	1746	34,600	153.8	41,900	186.4	0.0773	0.0480	0.0809	0.0502	0.0964	0.0599	0.1290	0.0802	1,106	1,915	2,021
CARDINAL	1222	619.1	1.198	30.43	0.345	8.76	1225	1823	29,300	130.2	37,100	165.0	0.0728	0.0452	0.0762	0.0473	0.0906	0.0563	0.1208	0.0751	1,146	1,990	2,101
FORT WORTH	1300	658.9	1.240	31.50	0.375	9.53	1312	1952	34,600	153.8	42,900	190.8	0.0684	0.0425	0.0721	0.0448	0.0858	0.0533	0.1145	0.0711	1,189	2,067	2,183
EL PASO	1350	684.0	1.252	31.80	0.345	8.76	1345	2002	29,300	130.2	37,900	168.6	0.0659	0.0409	0.0698	0.0434	0.0829	0.0515	0.1104	0.0686	1,212	2,111	2,230
DHAKA/BEAUMONT	1429	723.9	1.294	32.87	0.375	9.53	1436	2137	34,600	153.8	43,700	194.4	0.0623	0.0387	0.0661	0.0411	0.0785	0.0488	0.1045	0.0649	1,256	2,193	2,317
SAN ANTONIO	1475	747.3	1.315	33.40	0.385	9.78	1486	2211	36,400	162.1	45,900	204.2	0.0603	0.0375	0.0623	0.0387	0.0738	0.0458	0.0978	0.0608	1,302	2,278	2,408
BITTERN	1582	801.4	1.345	34.16	0.345	8.76	1566	2330	29,300	130.2	39,400	175.3	0.0566	0.0352	0.0603	0.0375	0.0714	0.0444	0.0947	0.0589	1,331	2,332	2,465
DALLAS	1795	909.5	1.452	36.88	0.385	9.78	1795	2671	36,400	162.1	47,900	213.1	0.0497	0.0309	0.0546	0.0339	0.0640	0.0398	0.0839	0.0521	1,434	2,540	2,689
HOUSTON	1927	976.6	1.506	38.25	0.415	10.54	1934	2878	42,300	188.3	54,700	243.3	0.0459	0.0285	0.0510	0.0317	0.0596	0.0370	0.0775	0.0482	1,502	2,674	2,832
LAPWING	1949	987.5	1.504	38.20	0.385	9.78	1940	2887	36,400	162.1	48,900	217.5	0.0458	0.0285	0.0507	0.0315	0.0595	0.0370	0.0780	0.0485	1,502	2,665	2,821
FALCON	2045	1036.2	1.545	39.24	0.415	10.54	2045	3043	42,300	188.3	55,400	246.4	0.0436	0.0271	0.0479	0.0298	0.0563	0.0350	0.0739	0.0459	1,555	2,760	2,922
CHUKAR	2242	1135.8	1.604	40.74	0.395	10.03	2220	3304	38,400	170.6	52,700	234.4	0.0398	0.0247	0.0445	0.0277	0.0521	0.0324	0.0681	0.0423	1,633	2,912	3,085
CHUKAR II	2606	1320.3	1.720	43.69	0.395	10.03	2570	3825	38,400	170.6	55,100	245.1	0.0344	0.0214	0.0410	0.0255	0.0471	0.0293	0.0599	0.0372	1,749	3,176	3,372
BLUEBIRD	2741	1388.7	1.762	44.75	0.415	10.54	2703	4023	42,300	188.3	59,900	266.4	0.0326	0.0203	0.0387	0.0240	0.0447	0.0278	0.0573	0.0356	1,807	3,273	3,474

#Ampacity values based on 60 Hz, zero elevation, 90° sun altitude, 25°C ambient temperature, 0.5 Solar Absorbivity, 0.5 Emissivity, 2 ft/sec (0.61 m/sec) wind and 96 Watt/ft2 (1033 W/m2), at corresponding surface temperatures. Coefficient of thermal resistance is 0.00404 for ASTM sizes.

The information contained herein is offered in good faith. The actual configuration of a given size may vary between conductor manufacturers and may result in slight variations in some of the indicated values.

\*All Bird code name conductors are subject to a code name change in the future.



ASTM ULS SIZES†																							
ACCC®	Conductor		Diameter		Core Diameter		Weight		Core Rated Strength		Cond. Rated Strength		DC @ 20°C		AC @ 25°C		AC @ 75°C		AC @ 180°C		#Ampacity		
ATSM Size	(kcmil)	(mm²)	(in)	(mm)	(in)	(mm)	(lb/ft)	(kg/km)	(lbf)	(kN)	(lbf)	(kN)	(ohm/mile)	(ohm/km)	(ohm/mile)	(ohm/km)	(ohm/mile)	(ohm/km)	(ohm/mile)	(ohm/km)	75°C	180°C	200°C
<b>ULS IRVING</b>	609	308.8	0.882	22.40	0.345	8.76	646	961	35,100	155.9	39,000	173.5	0.1454	0.0903	0.1491	0.0926	0.1788	0.1111	0.2411	0.1498	753	1,280	1,348
<b>ULS LUBBOCK</b>	904	458.0	1.040	26.42	0.345	8.76	921	1371	35,100	155.9	40,800	181.5	0.0979	0.0608	0.1011	0.0628	0.1210	0.0752	0.1628	0.1011	955	1,640	1,729
<b>ULS GALVESTON</b>	1011	512.4	1.090	27.69	0.345	8.76	1022	1521	35,100	155.9	41,500	184.6	0.0875	0.0544	0.0907	0.0564	0.1084	0.0674	0.1456	0.0905	1,022	1,759	1,856
<b>ULS DRAKE</b>	1026	519.7	1.108	28.14	0.375	9.53	1049	1561	41,400	184.2	47,900	213.1	0.0863	0.0536	0.0892	0.0554	0.1065	0.0662	0.1428	0.0888	1,036	1,786	1,884
<b>ULS CURLEW</b>	1033	523.4	1.140	28.96	0.415	10.54	1078	1604	50,700	225.6	57,300	254.9	0.0862	0.0535	0.0898	0.0558	0.1069	0.0664	0.1429	0.0888	1,041	1,801	1,901
<b>ULS PLANO</b>	1059	536.8	1.127	28.63	0.345	8.76	1070	1592	35,100	155.9	41,800	185.9	0.0840	0.0522	0.0876	0.0544	0.1045	0.0649	0.1400	0.0870	1,050	1,813	1,913
<b>ULS CORPUS CHRISTI</b>	1103	558.9	1.146	29.11	0.345	8.76	1110	1652	35,100	155.9	42,100	187.3	0.0806	0.0501	0.0843	0.0524	0.1005	0.0625	0.1346	0.0836	1,075	1,859	1,962
<b>ULS ARLINGTON</b>	1151	583.2	1.177	29.90	0.375	9.53	1170	1741	41,400	184.2	48,700	216.6	0.0773	0.0480	0.0809	0.0502	0.0964	0.0599	0.1290	0.0802	1,106	1,915	2,021
<b>ULS CARDINAL</b>	1222	619.1	1.198	30.43	0.345	8.76	1222	1819	35,100	155.9	42,900	190.8	0.0728	0.0452	0.0762	0.0473	0.0906	0.0563	0.1208	0.0751	1,146	1,990	2,101
<b>ULS FORT WORTH</b>	1300	658.9	1.240	31.50	0.375	9.53	1309	1948	41,400	184.2	49,700	221.1	0.0684	0.0425	0.0721	0.0448	0.0858	0.0533	0.1145	0.0711	1,189	2,067	2,183
<b>ULS EI PASO</b>	1350	684.0	1.252	31.80	0.345	8.76	1342	1997	35,100	155.9	43,700	194.4	0.0659	0.0409	0.0698	0.0434	0.0829	0.0515	0.1104	0.0686	1,212	2,111	2,230
<b>ULS DHAKA/BEAUMONT</b>	1429	723.9	1.294	32.87	0.375	9.53	1433	2133	41,400	184.2	50,500	224.6	0.0623	0.0387	0.0661	0.0411	0.0785	0.0488	0.1045	0.0649	1,256	2,193	2,317
<b>ULS SAN ANTONIO</b>	1475	747.3	1.315	33.40	0.385	9.78	1481	2204	43,700	194.2	53,100	236.2	0.0603	0.0375	0.0623	0.0387	0.0738	0.0458	0.0978	0.0608	1,302	2,278	2,408
<b>ULS BITTERN</b>	1582	801.4	1.345	34.16	0.345	8.76	1563	2326	35,100	155.9	45,200	201.1	0.0566	0.0352	0.0603	0.0375	0.0714	0.0444	0.0947	0.0589	1,331	2,332	2,465
<b>ULS DALLAS</b>	1795	909.5	1.452	36.88	0.385	9.78	1790	2664	43,700	194.2	55,200	245.5	0.0497	0.0309	0.0546	0.0339	0.0640	0.0398	0.0839	0.0521	1,434	2,540	2,689
<b>ULS HOUSTON</b>	1927	976.6	1.506	38.25	0.415	10.54	1930	2872	50,700	225.6	63,000	280.2	0.0459	0.0285	0.0510	0.0317	0.0596	0.0370	0.0775	0.0482	1,502	2,674	2,832
<b>ULS LAPWING</b>	1949	987.5	1.504	38.20	0.385	9.78	1935	2880	43,700	194.2	56,100	249.5	0.0458	0.0285	0.0507	0.0315	0.0595	0.0370	0.0780	0.0485	1,502	2,665	2,821
<b>ULS CHUKAR</b>	2242	1135.8	1.604	40.74	0.395	10.03	2217	3299	46,000	204.4	60,300	268.2	0.0398	0.0247	0.0445	0.0277	0.0521	0.0324	0.0681	0.0423	1,633	2,912	3,085
<b>ULS FALCON</b>	2045	1036.2	1.545	39.24	0.415	10.54	2041	3037	50,700	225.6	63,800	283.8	0.0436	0.0271	0.0479	0.0298	0.0563	0.0350	0.0739	0.0459	1,555	2,760	2,922
<b>ULS CHUKAR II</b>	2606	1320.3	1.720	43.69	0.395	10.03	2567	3820	46,000	204.4	62,700	278.9	0.0344	0.0214	0.0410	0.0255	0.0471	0.0293	0.0599	0.0372	1,749	3,176	3,372
<b>ULS BLUEBIRD</b>	2741	1388.7	1.762	44.75	0.415	10.54	2699	4017	50,700	225.6	68,200	303.4	0.0326	0.0203	0.0387	0.0240	0.0454	0.0282	0.0595	0.0370	1,793	3,213	3,405

#Ampacity values based on 60 Hz, zero elevation, 90° sun altitude, 25°C ambient temperature, 0.5 Solar Absorbtivity, 0.5 Emissivity, 2 ft/sec (0.61 m/sec) wind and 96 Watt/ft2 (1033 W/m2), at corresponding surface temperatures. Coefficient of thermal resistance is 0.00404 for ASTM sizes.

The information contained herein is offered in good faith. The actual configuration of a given size may vary between conductor manufacturers and may result in slight variations in some of the indicated values.

†All Bird code name conductors are subject to a code name in the future.

†ULS Conductors have a composite core that exhibits a higher tensile strength and modulus, used for long span crossing and heavy ice loads.

INTERNATIONAL ULS SIZES†																							
ACCC®	Conductor		Diameter		Core Diameter		Weight		Core Rated Strength		Cond. Rated Strength		DC @ 20°C		AC @ 25°C		AC @ 75°C		AC @ 180°C		#Ampacity		
International Size	(kcmil)	(mm²)	(in)	(mm)	(in)	(mm)	(lb/ft)	(kg/km)	(lbf)	(kN)	(lbf)	(kN)	(ohm/mile)	(ohm/km)	(ohm/mile)	(ohm/km)	(ohm/mile)	(ohm/km)	(ohm/mile)	(ohm/km)	75°C	180°C	200°C
ULS MONTE CARLO	451	228.5	0.818	20.78	0.415	10.54	532	792	50,700	225.6	53,600	238.5	0.1979	0.1230	0.2023	0.1257	0.2421	0.1504	0.3257	0.2024	634	1,076	1,132
ULS OSLO	619	313.8	0.882	22.40	0.345	8.76	656	977	35,100	155.9	39,000	173.6	0.1437	0.0893	0.1473	0.0915	0.1762	0.1095	0.2367	0.1471	758	1,291	1,360
ULS 25 MM	756	383.2	0.984	24.99	0.415	10.54	817	1216	50,700	225.6	55,600	247.2	0.1175	0.0730	0.1207	0.0750	0.1442	0.0896	0.1935	0.1203	863	1,478	1,558
ULS LEIPZIG	802	406.4	0.990	25.15	0.375	9.53	842	1253	41,400	184.2	46,500	207.1	0.1110	0.0690	0.1143	0.0710	0.1365	0.0848	0.1831	0.1138	888	1,522	1,605
ULS STOCKHOLM 3L	895	453.7	1.039	26.39	0.345	8.76	917	1364	35,100	155.9	40,800	181.4	0.0993	0.0617	0.1025	0.0637	0.1223	0.0760	0.1639	0.1019	950	1,633	1,722
ULS STOCKHOLM 2L	914	463.3	1.039	26.39	0.345	8.76	935	1391	35,100	155.9	40,900	182.0	0.0974	0.0605	0.1006	0.0625	0.1200	0.0746	0.1608	0.0999	959	1,649	1,739
ULS WARSAW	1002	507.5	1.091	27.71	0.345	8.76	1018	1516	35,100	155.9	41,500	184.4	0.0890	0.0553	0.0922	0.0573	0.1099	0.0683	0.1471	0.0914	1,015	1,751	1,847
ULS DUBLIN	1035	524.5	1.108	28.14	0.375	9.53	1061	1579	41,400	184.2	48,000	213.7	0.0859	0.0534	0.0891	0.0553	0.1061	0.0660	0.1420	0.0883	1,037	1,791	1,889
ULS KOLKATA	1073	543.5	1.127	28.63	0.375	9.53	1101	1639	41,400	184.2	48,300	214.8	0.0832	0.0517	0.0863	0.0536	0.1029	0.0639	0.1376	0.0855	1,058	1,829	1,930
ULS HAMBURG	1078	546.4	1.127	28.63	0.345	8.76	1091	1623	35,100	155.9	42,000	186.6	0.0827	0.0514	0.0860	0.0534	0.1024	0.0636	0.1368	0.0850	1,061	1,834	1,935
ULS MAHAKAM	1075	544.9	1.142	29.01	0.415	10.54	1118	1663	50,700	225.6	57,600	256.3	0.0827	0.0514	0.0863	0.0536	0.1027	0.0638	0.1371	0.0852	1,063	1,840	1,942
ULS MILAN	1120	567.7	1.146	29.11	0.345	8.76	1130	1682	35,100	155.9	42,200	187.8	0.0795	0.0494	0.0828	0.0514	0.0985	0.0612	0.1316	0.0818	1,086	1,880	1,984
ULS ROME	1169	592.5	1.177	29.90	0.375	9.53	1190	1770	41,400	184.2	48,900	217.5	0.0763	0.0474	0.0795	0.0494	0.0946	0.0588	0.1263	0.0785	1,117	1,936	2,043
ULS VIENNA	1242	629.2	1.198	30.43	0.345	8.76	1242	1849	35,100	155.9	43,000	191.3	0.0716	0.0445	0.0750	0.0466	0.0891	0.0554	0.1187	0.0738	1,156	2,007	2,120
ULS BUDAPEST	1319	668.3	1.240	31.50	0.375	9.53	1330	1980	41,400	184.2	49,900	221.8	0.0676	0.0420	0.0709	0.0440	0.0842	0.0523	0.1122	0.0697	1,200	2,088	2,206
ULS MUMBAI	1353	685.4	1.251	31.78	0.375	9.53	1365	2031	41,400	184.2	50,100	222.8	0.0660	0.0410	0.0693	0.0431	0.0823	0.0511	0.1095	0.0681	1,216	2,119	2,238
ULS PRAGUE	1363	690.7	1.251	31.78	0.345	8.76	1362	2027	35,100	155.9	43,800	194.8	0.0655	0.0407	0.0690	0.0428	0.0818	0.0508	0.1088	0.0676	1,220	2,126	2,246
ULS MUNICH	1447	733.2	1.293	32.84	0.375	9.53	1456	2166	41,400	184.2	50,700	225.4	0.0618	0.0384	0.0652	0.0405	0.0773	0.0480	0.1028	0.0638	1,266	2,211	2,336
ULS LONDON	1498	759.0	1.315	33.40	0.385	9.78	1505	2240	43,700	194.2	53,300	236.9	0.0595	0.0370	0.0630	0.0391	0.0746	0.0464	0.0991	0.0616	1,294	2,264	2,392
ULS PARIS	1606	813.7	1.345	34.16	0.345	8.76	1587	2362	35,100	155.9	45,300	201.7	0.0555	0.0345	0.0593	0.0368	0.0700	0.0435	0.0927	0.0576	1,344	2,358	2,493
ULS BORDEAUX	1739	880.9	1.408	35.76	0.415	10.54	1744	2595	50,700	225.6	61,900	275.2	0.0512	0.0318	0.0547	0.0340	0.0647	0.0402	0.0856	0.0532	1,415	2,489	2,632
ULS ANTWERP	1865	944.9	1.451	36.86	0.385	9.78	1849	2752	43,700	194.2	55,600	247.4	0.0478	0.0297	0.0517	0.0321	0.0609	0.0378	0.0802	0.0498	1,471	2,598	2,749
ULS BERLIN	1986	1006.5	1.504	38.20	0.415	10.54	1977	2942	50,700	225.6	63,400	282.2	0.0447	0.0278	0.0487	0.0303	0.0572	0.0356	0.0752	0.0467	1,531	2,714	2,872
ULS MADRID	1999	1013.1	1.504	38.20	0.385	9.78	1975	2940	43,700	194.2	56,500	251.2	0.0444	0.0276	0.0485	0.0302	0.0570	0.0354	0.0748	0.0464	1,535	2,722	2,881
ULS ATHENS	2782	1409.7	1.762	44.75	0.415	10.54	2728	4059	50,700	225.6	68,500	304.9	0.0320	0.0199	0.0371	0.0231	0.0429	0.0267	0.0552	0.0343	1,844	3,335	3,539

#Ampacity values based on 50 Hz, zero elevation, 90° sun altitude, 25°C ambient temperature, 0.5 Solar Absorbivity, 0.5 Emissivity, 2 ft/sec (0.61 m/sec) wind and 96 Watt/ft2 (1033 W/m2), at corresponding surface temperatures. Coefficient of thermal resistance is 0.00403 for International sizes. The information contained herein is offered in good faith. The actual configuration of a given size may vary between conductor manufacturers and may result in slight variations in some of the indicated values. †ULS Conductors have a composite core that exhibits a higher tensile strength and modulus, used for long span crossing and heavy ice loads.