

# ACCC<sup>®</sup> AZR Conductor Data Sheets

Click on conductor name to view, download or print PDF data sheet—

## ACCC AZR US Customary Sizes

ACCC-AZR	Conductor		Diameter		Core Diameter		Weight		Core Rated Strength		Cond. Rated Strength		DC @ 20°C		AC @ 25°C		AC @ 75°C		AC @ 180°C		#Ampacity		
	Size	(kcmil)	(mm <sup>2</sup> )	(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
<a href="#">AZR OCEANSIDE</a>	383	194.2	0.680	17.27	0.235	5.97	397	591	13,400	59.6	16,200	71.8	0.2434	0.1512	0.2490	0.1547	0.2975	0.1849	0.3995	0.2482	545	918	966
<a href="#">AZR LINNET</a>	430	218.1	0.720	18.29	0.235	5.97	442	657	13,400	59.6	16,900	74.9	0.2167	0.1347	0.2219	0.1379	0.2651	0.1647	0.3558	0.2211	586	990	1,041
<a href="#">AZR ORIOLE</a>	439	222.3	0.741	18.82	0.280	7.11	464	690	19,100	85.0	21,300	94.9	0.2126	0.1321	0.2176	0.1352	0.2600	0.1615	0.3490	0.2169	597	1,008	1,061
<a href="#">AZR IRVING</a>	609	308.8	0.882	22.40	0.345	8.76	651	969	29,000	129.0	31,500	139.9	0.1530	0.0951	0.1570	0.0976	0.1875	0.1165	0.2514	0.1562	735	1,253	1,320
<a href="#">AZR HAWK</a>	611	309.7	0.858	21.79	0.280	7.11	627	933	19,100	85.0	24,000	106.9	0.1526	0.0948	0.1568	0.0974	0.1872	0.1163	0.2508	0.1559	731	1,244	1,310
<a href="#">AZR DOVE</a>	714	361.5	0.927	23.55	0.305	7.75	732	1090	22,700	101.0	28,300	126.1	0.1306	0.0812	0.1346	0.0836	0.1605	0.0997	0.2149	0.1335	805	1,377	1,451
<a href="#">AZR GROSBEAK</a>	821	416.2	0.990	25.15	0.320	8.13	840	1250	25,200	112.0	32,000	142.3	0.1134	0.0705	0.1173	0.0729	0.1398	0.0869	0.1870	0.1162	878	1,506	1,588
<a href="#">AZR AMARILLO</a>	785	397.6	0.990	25.14	0.375	9.53	829	1234	34,100	151.7	38,100	169.4	0.1187	0.0738	0.1224	0.0760	0.1459	0.0907	0.1953	0.1214	859	1,474	1,554
<a href="#">AZR LUBBOCK</a>	904	458.0	1.040	26.42	0.345	8.76	928	1381	29,000	129.0	36,200	160.9	0.1031	0.0641	0.1069	0.0664	0.1272	0.0790	0.1699	0.1056	932	1,605	1,693
<a href="#">AZR DRAKE</a>	1026	519.7	1.108	28.14	0.375	9.53	1057	1573	34,600	153.8	42,300	187.9	0.0909	0.0565	0.0946	0.0588	0.1126	0.0699	0.1503	0.0934	1,007	1,741	1,837
<a href="#">AZR CURLEW</a>	1033	523.4	1.140	28.96	0.415	10.54	1085	1614	41,800	185.9	47,800	212.4	0.0903	0.0561	0.0939	0.0583	0.1116	0.0694	0.1490	0.0926	1,019	1,764	1,862
<a href="#">AZR ARLINGTON (2/1)</a>	1151	583.2	1.177	29.90	0.375	9.53	1176	1750	34,100	151.7	37,900	168.5	0.0792	0.0492	0.0831	0.0516	0.0989	0.0615	0.1321	0.0821	1,092	1,893	1,998
<a href="#">AZR BEAUMONT (2/1)</a>	1429	723.9	1.294	32.87	0.375	9.53	1439	2142	34,100	151.7	40,900	181.9	0.0638	0.0396	0.0681	0.0423	0.0807	0.0501	0.1071	0.0665	1,240	2,167	2,290
<a href="#">AZR SAN ANTONIO (2/1)</a>	1475	747.3	1.315	33.40	0.385	9.78	1488	2214	36,400	162.1	43,100	191.9	0.0618	0.0384	0.0647	0.0402	0.0765	0.0476	0.1014	0.0630	1,278	2,239	2,366
<a href="#">AZR BITTERN (2/1)</a>	1582	801.4	1.345	34.16	0.345	8.76	1569	2335	29,000	129.0	38,800	172.4	0.0576	0.0358	0.0624	0.0387	0.0736	0.0457	0.0971	0.0603	1,312	2,304	2,436
<a href="#">AZR LAPWING (2/1)</a>	1949	987.5	1.504	38.20	0.385	9.78	1943	2891	36,000	160.1	47,900	213.1	0.0470	0.0292	0.0523	0.0325	0.0612	0.0380	0.0800	0.0497	1,481	2,631	2,786
<a href="#">AZR FALCON (2/1)</a>	2045	1036.2	1.545	39.24	0.415	10.54	2050	3050	41,800	185.9	53,100	235.9	0.0447	0.0278	0.0500	0.0311	0.0585	0.0363	0.0763	0.0474	1,526	2,718	2,879
<a href="#">AZR BLUEBIRD (2/1)</a>	2741	1388.7	1.762	44.75	0.415	10.54	2710	4032	41,800	185.9	60,800	270.2	0.0334	0.0208	0.0400	0.0249	0.0461	0.0286	0.0587	0.0365	1,781	3,234	3,434

ACCC@-ULS-AZR	ACCC ULS AZR US Customary Sizes <sup>1</sup>																						
<a href="#">ULS AZR IRVING</a>	609	308.8	0.882	22.40	0.345	8.76	648	964	35,100	156.1	36,000	160.2	0.1530	0.0951	0.1570	0.0976	0.1875	0.1165	0.2514	0.1562	735	1,253	1,320
<a href="#">ULS AZR AMARILLO</a>	785	397.6	0.990	25.14	0.375	9.53	826	1229	41,200	183.3	43,400	193.1	0.1187	0.0738	0.1224	0.0760	0.1459	0.0907	0.1953	0.1214	859	1,474	1,554
<a href="#">ULS AZR LUBBOCK</a>	904	458.0	1.040	26.42	0.345	8.76	925	1376	35,100	156.1	40,700	181.2	0.1031	0.0641	0.1069	0.0664	0.1272	0.0790	0.1699	0.1056	932	1,605	1,693
<a href="#">ULS AZR DRAKE</a>	1026	519.7	1.108	28.14	0.375	9.53	1054	1569	41,200	183.3	47,200	210.0	0.0909	0.0565	0.0946	0.0588	0.1126	0.0699	0.1503	0.0934	1,007	1,741	1,837
<a href="#">ULS AZR CURLEW</a>	1033	523.4	1.140	28.96	0.415	10.54	1080	1608	50,600	225.1	54,400	241.8	0.0903	0.0561	0.0939	0.0583	0.1116	0.0694	0.1490	0.0926	1,019	1,764	1,862
<a href="#">ULS AZR ARLINGTON (2/1)</a>	1151	583.2	1.177	29.90	0.375	9.53	1172	1745	41,200	183.3	43,200	192.2	0.0792	0.0492	0.0831	0.0516	0.0989	0.0615	0.1321	0.0821	1,092	1,893	1,998
<a href="#">ULS AZR BEAUMONT (2/1)</a>	1429	723.9	1.294	32.87	0.375	9.53	1436	2137	41,200	183.3	46,200	205.6	0.0638	0.0396	0.0681	0.0423	0.0807	0.0501	0.1071	0.0665	1,240	2,167	2,290
<a href="#">ULS AZR SAN ANTONIO (2/1)</a>	1475	747.3	1.315	33.40	0.385	9.78	1484	2209	43,500	193.5	48,400	215.4	0.0618	0.0384	0.0647	0.0402	0.0765	0.0476	0.1014	0.0630	1,278	2,239	2,366
<a href="#">ULS AZR BITTERN (2/1)</a>	1582	801.4	1.345	34.16	0.345	8.76	1566	2330	35,100	156.1	43,300	192.7	0.0576	0.0358	0.0624	0.0387	0.0736	0.0457	0.0971	0.0603	1,312	2,304	2,436
<a href="#">ULS AZR LAPWING (2/1)</a>	1949	987.5	1.504	38.20	0.385	9.78	1939	2886	43,500	193.5	53,500	238.1	0.0470	0.0292	0.0523	0.0325	0.0612	0.0380	0.0800	0.0497	1,481	2,631	2,786
<a href="#">ULS AZR FALCON (2/1)</a>	2045	1036.2	1.545	39.24	0.415	10.54	2045	3044	50,600	225.1	59,700	265.3	0.0447	0.0278	0.0500	0.0311	0.0585	0.0363	0.0763	0.0474	1,526	2,718	2,879
<a href="#">ULS AZR BLUEBIRD (2/1)</a>	2741	1388.7	1.762	44.75	0.415	10.54	2705	4026	50,600	225.1	67,400	299.6	0.0334	0.0208	0.0400	0.0249	0.0461	0.0286	0.0587	0.0365	1,781	3,234	3,434

<sup>1</sup>Ampacity values based on 60 Hz, zero elevation, 90° sun altitude, 25°C ambient temperature, 0.5 Solar Absorptivity, 0.5 Emissivity, 2 ft/sec (0.61 m/sec) wind and 96 Weather (1033 Win#2), at corresponding surface temperatures. Coefficient of thermal resistance is 0.00403 for international sizes. Different configurations among conductor manufacturers may result in slight variations within the parameters of indicated values for a given size in accordance with the stated specification. Numbers after name designate the number of layers of each alloy. First number designates the number of layers with the lower tensile strength alloy starting with the inner layer, second number designates the number of layers with the higher strength alloy on the outer layers. Strength at ambient temperature. Based on 96% of the 1350-O minimum tensile strength (8.5 ksi/58.6 Mpa) and 90% of the AT3 minimum tensile strength (22.5 ksi/155 Mpa) and 75% of the composite core minimum tensile strength (375 ksi/2586 Mpa). <sup>1</sup>ULS Conductors have a composite core that exhibits a higher tensile strength and modulus, used for long span crossing and heavy ice loads.

# International AZR Sizes

ACCC -AZR		Conductor		Diameter		Core Diameter		Weight		Core Rated Strength		Cond. Rated Strength		DC @ 20°C		AC @ 25°C		AC @ 75°C		AC @ 180°C		#Ampacity		
Size	(kcmil)	(mm <sup>2</sup> )	(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	
<a href="#">AZR SILVASSA</a>	242	122.7	0.565	14.35	0.235	5.97	264	392	13,400	59.6	13,900	61.6	0.3863	0.2400	0.3943	0.2450	0.4715	0.2930	0.6337	0.3937	413	689	724	
<a href="#">AZR HELSINKI</a>	297	150.6	0.616	15.65	0.235	5.97	316	470	13,400	59.6	14,800	65.6	0.3151	0.1958	0.3217	0.1999	0.3847	0.2390	0.5169	0.3212	467	783	823	
<a href="#">AZR ROVINJ</a>	371	187.8	0.673	17.09	0.235	5.97	385	572	13,600	60.4	16,100	71.5	0.2521	0.1566	0.2576	0.1601	0.3080	0.1914	0.4138	0.2571	535	899	946	
<a href="#">AZR JAIPUR</a>	307	155.7	0.650	16.51	0.305	7.75	352	523	22,700	101.0	21,900	97.6	0.3067	0.1906	0.3131	0.1945	0.3744	0.2326	0.5031	0.3126	481	807	849	
<a href="#">AZR ZADAR</a>	350	177.4	0.673	17.09	0.280	7.11	380	565	19,100	85.0	19,900	88.7	0.2669	0.1658	0.2726	0.1694	0.3259	0.2025	0.4379	0.2721	520	874	919	
<a href="#">AZR COPENHAGEN</a>	434	219.9	0.720	18.29	0.235	5.97	444	661	13,400	59.6	17,000	75.4	0.2151	0.1337	0.2200	0.1367	0.2629	0.1634	0.3531	0.2194	589	994	1,046	
<a href="#">AZR REYKJAVIK</a>	440	223.1	0.741	18.82	0.280	7.11	466	693	19,100	85.0	21,300	94.9	0.2127	0.1322	0.2175	0.1351	0.2599	0.1615	0.3491	0.2169	597	1,008	1,061	
<a href="#">AZR MONTE CARLO</a>	451	228.5	0.818	20.78	0.415	10.54	538	799	41,800	185.9	38,600	171.4	0.2084	0.1295	0.2129	0.1323	0.2545	0.1581	0.3419	0.2125	619	1,050	1,106	
<a href="#">AZR GLASGOW</a>	467	236.7	0.769	19.53	0.305	7.75	500	744	22,700	101.0	24,400	108.7	0.2003	0.1245	0.2048	0.1273	0.2448	0.1521	0.3287	0.2043	621	1,051	1,106	
<a href="#">AZR CASABLANCA</a>	540	273.6	0.807	20.50	0.280	7.11	561	834	19,300	85.7	23,100	102.6	0.1736	0.1079	0.1777	0.1104	0.2124	0.1320	0.2851	0.1772	675	1,145	1,206	
<a href="#">AZR OSLO</a>	619	313.8	0.882	22.40	0.345	8.76	660	982	29,000	129.0	31,600	140.4	0.1511	0.0939	0.1548	0.0962	0.1849	0.1149	0.2481	0.1542	740	1,262	1,329	
<a href="#">AZR LISBON</a>	623	315.5	0.858	21.79	0.280	7.11	637	948	19,300	85.7	24,400	108.3	0.1501	0.0933	0.1539	0.0956	0.1838	0.1142	0.2467	0.1533	737	1,254	1,321	
<a href="#">AZR AMSTERDAM</a>	725	367.4	0.927	23.55	0.305	7.75	743	1105	22,700	101.0	28,500	127.0	0.1289	0.0801	0.1324	0.0823	0.1581	0.0982	0.2119	0.1317	811	1,386	1,461	
<a href="#">AZR LEIPZIG</a>	802	406.4	0.990	25.15	0.375	9.53	847	1260	34,100	151.7	38,300	170.3	0.1167	0.0725	0.1199	0.0745	0.1431	0.0889	0.1918	0.1192	867	1,487	1,568	
<a href="#">AZR BRUSSELS</a>	832	421.4	0.990	25.15	0.320	8.13	851	1266	25,200	112.0	32,100	142.7	0.1126	0.0700	0.1160	0.0721	0.1384	0.0860	0.1854	0.1152	882	1,513	1,595	
<a href="#">AZR CALGARY</a>	826	418.6	1.012	25.70	0.375	9.53	868	1292	34,600	153.8	39,100	173.7	0.1131	0.0703	0.1167	0.0725	0.1392	0.0865	0.1864	0.1158	881	1,514	1,597	
<a href="#">AZR STOCKHOLM 2L</a>	914	463.3	1.039	26.39	0.345	8.76	939	1397	29,000	129.0	36,300	161.3	0.1023	0.0636	0.1055	0.0656	0.1258	0.0782	0.1684	0.1046	937	1,612	1,700	
<a href="#">AZR WARSAW (2/1)</a>	1002	507.5	1.091	27.71	0.345	8.76	1023	1522	29,000	129.0	32,400	144.0	0.0910	0.0565	0.0943	0.0586	0.1126	0.0700	0.1512	0.0940	1,003	1,727	1,822	
<a href="#">AZR DUBLIN</a>	1035	524.5	1.108	28.14	0.375	9.53	1066	1586	34,600	153.8	42,400	188.4	0.0904	0.0562	0.0935	0.0581	0.1114	0.0692	0.1491	0.0927	1,013	1,748	1,844	
<a href="#">AZR TORONTO (1/1)</a>	994	503.8	1.108	28.14	0.415	10.54	1047	1557	42,300	188.3	43,800	195.0	0.0922	0.0573	0.0957	0.0595	0.1142	0.0710	0.1532	0.0952	996	1,719	1,814	
<a href="#">AZR MILAN (2/1)</a>	1120	567.7	1.146	29.11	0.345	8.76	1135	1689	29,300	130.2	33,900	150.6	0.0813	0.0505	0.0846	0.0526	0.1010	0.0628	0.1355	0.0842	1,073	1,853	1,955	
<a href="#">AZR BUDAPEST (2/1)</a>	1319	668.3	1.240	31.50	0.375	9.53	1336	1988	34,100	151.7	39,600	176.1	0.0691	0.0429	0.0724	0.0450	0.0862	0.0536	0.1152	0.0716	1,186	2,061	2,176	
<a href="#">AZR MUNICH (2/1)</a>	1447	733.2	1.293	32.84	0.375	9.53	1461	2174	34,100	151.7	41,000	182.3	0.0632	0.0393	0.0666	0.0414	0.0792	0.0492	0.1056	0.0656	1,251	2,182	2,304	
<a href="#">AZR WARWICK (2/1)</a>	1479	749.5	1.315	33.40	0.415	10.54	1510	2246	41,800	185.9	47,100	209.2	0.0617	0.0383	0.0650	0.0404	0.0773	0.0480	0.1031	0.0640	1,272	2,220	2,345	
<a href="#">AZR PARIS (2/1)</a>	1606	813.7	1.345	34.16	0.345	8.76	1598	2378	29,000	129.0	38,900	172.9	0.0569	0.0354	0.0606	0.0377	0.0718	0.0446	0.0954	0.0593	1,327	2,325	2,457	
<a href="#">AZR ANTWERP (2/1)</a>	1865	944.9	1.451	36.86	0.385	9.78	1855	2761	36,000	160.1	46,800	208.2	0.0488	0.0303	0.0527	0.0327	0.0622	0.0386	0.0822	0.0511	1,455	2,566	2,714	
<a href="#">AZR BERLIN (2/1)</a>	1986	1006.5	1.504	38.20	0.415	10.54	1984	2952	41,800	185.9	52,300	232.4	0.0458	0.0285	0.0497	0.0309	0.0586	0.0364	0.0773	0.0480	1,514	2,677	2,833	
<a href="#">AZR ATHENS (3/1)</a>	2782	1409.7	1.762	44.75	0.415	10.54	2735	4069	41,800	185.9	58,500	259.9	0.0326	0.0203	0.0376	0.0234	0.0437	0.0272	0.0564	0.0351	1,828	3,299	3,499	

ACCC-ULS-AZR		International ULS AZR Sizes																					
<a href="#">ULS AZR MONTE CARLO</a>	451	228.5	0.818	20.78	0.415	10.54	533	793	50,600	225.1	45,200	200.8	0.2084	0.1295	0.2129	0.1323	0.2545	0.1582	0.3419	0.2125	619	1,050	1,106
<a href="#">ULS AZR OSLO</a>	619	313.8	0.882	22.40	0.345	8.76	657	977	35,100	156.1	36,100	160.7	0.1511	0.0939	0.1548	0.0962	0.1849	0.1149	0.2481	0.1542	740	1,262	1,329
<a href="#">ULS AZR LEIPZIG</a>	802	406.4	0.990	25.15	0.375	9.53	843	1256	41,200	183.3	43,600	194.0	0.1167	0.0725	0.1199	0.0745	0.1431	0.0889	0.1918	0.1192	867	1,487	1,568
<a href="#">ULS AZR CALGARY</a>	826	418.6	1.012	25.70	0.375	9.53	865	1287	41,200	183.3	44,000	195.8	0.1131	0.0703	0.1167	0.0725	0.1392	0.0865	0.1864	0.1158	881	1,514	1,597
<a href="#">ULS AZR STOCKHOLM 2L</a>	914	463.3	1.039	26.39	0.345	8.76	936	1392	35,100	156.1	40,800	181.6	0.1023	0.0636	0.1055	0.0656	0.1258	0.0782	0.1684	0.1046	937	1,612	1,700
<a href="#">ULS AZR WARSAW (2/1)</a>	1002	507.5	1.091	27.71	0.345	8.76	1020	1517	35,100	156.1	36,900	164.3	0.0910	0.0565	0.0943	0.0586	0.1127	0.0700	0.1514	0.0941	1,003	1,726	1,820
<a href="#">ULS AZR DUBLIN</a>	1035	524.5	1.108	28.14	0.375	9.53	1063	1582	41,200	183.3	47,300	210.5	0.0904	0.0562	0.0935	0.0581	0.1114	0.0692	0.1491	0.0927	1,013	1,748	1,844
<a href="#">ULS AZR TORONTO (1/1)</a>	994	503.8	1.108	28.14	0.415	10.54	1043	1552	50,600	225.1	50,100	222.6	0.0922	0.0573	0.0957	0.0595	0.1142	0.0710	0.1532	0.0952	996	1,719	1,814
<a href="#">ULS AZR MILAN (2/1)</a>	1120	567.7	1.146	29.11	0.345	8.76	1132	1684	35,100	156.1	38,200	170.0	0.0813	0.0505	0.0846	0.0526	0.1010	0.0628	0.1355	0.0842	1,069	1,847	1,949
<a href="#">ULS AZR BUDAPEST (2/1)</a>	1319	668.3	1.240	31.50	0.375	9.53	1333	1984	41,200	183.3	44,900	199.8	0.0691	0.0429	0.0724	0.0450	0.0862	0.0536	0.1152	0.0716	1,186	2,061	2,176
<a href="#">ULS AZR MUNICH (2/1)</a>	1447	733.2	1.293	32.84	0.375	9.53	1458	2170	41,200	183.3	46,300	206.0	0.0632	0.0393	0.0666	0.0414	0.0792	0.0492	0.1056	0.0656	1,251	2,182	2,304
<a href="#">ULS AZR WARWICK (2/1)</a>	1479	749.5	1.315	33.40	0.415	10.54	1505	2240	50,600	225.1	53,700	238.6	0.0617	0.0383	0.0650	0.0404	0.0773	0.0480	0.1031	0.0640	1,272	2,220	2,345
<a href="#">ULS AZR PARIS (2/1)</a>	1606	813.7	1.345	34.16	0.345	8.76	1596	2373	35,100	156.1	43,400	193.2	0.0569	0.0354	0.0606	0.0377	0.0718	0.0446	0.0954	0.0593	1,327	2,325	2,457
<a href="#">ULS AZR ANTWERP (2/1)</a>	1865	944.9	1.451	36.86	0.385	9.78	1852	2756	43,500	193.5	52,400	233.2	0.0488	0.0303	0.0527	0.0327	0.0622	0.0386	0.0822	0.0511	1,455	2,566	2,714
<a href="#">ULS AZR BERLIN (2/1)</a>	1986	1006.5	1.504	38.20	0.415	10.54	1980	2946	50,600	225.1	58,900	261.8	0.0458	0.0285	0.0497	0.0309	0.0586	0.0364	0.0773	0.0480	1,514	2,677	2,833
<a href="#">ULS AZR ATHENS (3/1)</a>	2782	1409.7	1.762	44.75	0.415	10.54	2730	4063	50,600	225.1	65,100	289.3	0.0326	0.0203	0.0376	0.0234	0.0437	0.0272	0.0564	0.0351	1,828	3,299	3,499

#Ampacity values based on 50 Hz, zero elevation, 90° sun altitude, 25°C ambient temperature, 0.5 Solar Absorptivity, 0.5 Emissivity, 2 ft/sec (0.61 m/sec) wind and 96 Watts/m<sup>2</sup> (1033 W/m<sup>2</sup>), at corresponding surface temperatures. Coefficient of thermal resistance is 0.00403 for international sizes.  
 Different configurations among conductor manufacturers may result in slight variations within the parameters of indicated values for a given size in accordance with the stated specification.  
 Numbers after name designate the number of layers of each alloy: First number designates the number of layers with the lower tensile strength alloy starting with the inner layer, second number designates the number of layers with the higher strength alloy on the outer layers.  
 Strength at ambient temperature. Based on 96% of the 1350-O minimum tensile strength (8.5 ksi/58.6 Mpa) and 90% of the AT3 minimum tensile strength (22.5 ksi/155 Mpa) and 75% of the composite core minimum tensile strength (375 ksi/2586 Mpa).  
 †ULS Conductors have a composite core that exhibits a higher tensile strength and modulus, used for long span crossing and heavy ice loads.