

ACCC® AZR™ CONDUCTOR: US CUSTOMARY SIZES (metric units)

ACCC® AZR™ Conductor (3)	Available as ULS™	Size	Diameter	ACCC Core Diameter	Approximate Weight (1)			Cond. Rated Strength (4)		Resistance			Ampacity (2)			Geometric Mean Radius	Inductive Reactance @ 60 Hz.	Capactive Reactance @ 60Hz.	Commonly Replaces
					Total	Aluminum	Core	w/ ACCC® Core	w/ACCC® ULS™ Core	DC @ 20°C	AC @ 25°C	AC @ 200°C	75°C	180°C	200°C				
Size Designation		(mm²)	(mm)	(mm)	(kg/km)	(kg/km)	(kg/km)	(kN)	(kN)	(ohm/km)	(ohm/km)	(ohm/km)	(amps)	(amps)	(amps)	(mm)	ohms/km	Mohm-km	Size
AZR™ OCEANSIDE	--	194.2	17.27	5.97	590.7	538.3	52.4	72.4	--	0.1512	0.1547	0.2604	545	918	965	7.04	0.284	0.170	ACSR Ostrich
AZR™ LINNET	--	218.1	18.29	5.97	657.1	604.7	52.4	75.5	--	0.1347	0.1379	0.2319	586	990	1,041	7.44	0.280	0.167	ACSR LINNET
AZR™ ORIOLE	--	222.3	18.82	7.11	690.2	616.0	74.2	95.4	--	0.1321	0.1352	0.2275	597	1,008	1,061	7.74	0.277	0.166	ACSR ORIOLE
AZR™ IRVING	✓	308.8	22.40	8.76	969.0	856.0	113.0	140.8	160.2	0.0951	0.0976	0.1639	735	1,253	1,320	9.24	0.264	0.158	
AZR™ HAWK	--	309.7	21.79	7.11	932.7	858.5	74.2	107.4	--	0.0948	0.0974	0.1635	731	1,244	1,310	8.84	0.267	0.159	ACSR HAWK
AZR™ DOVE	--	361.5	23.55	7.75	1089.5	1001.2	88.3	126.6	--	0.0812	0.0836	0.1401	805	1,376	1,451	9.57	0.261	0.155	ACSR DOVE
AZR™ GROSBEAK	--	416.2	25.15	8.13	1249.6	1152.5	97.1	142.3	--	0.0705	0.0729	0.1218	878	1,506	1,588	10.21	0.256	0.152	ACSR GROSBEAK
AZR™ AMARILLO	✓	397.6	25.15	9.53	1234.1	1101.1	133.0	171.0	193.1	0.0738	0.0761	0.1274	859	1,473	1,553	10.33	0.255	0.152	ACSR AMARILLO
AZR™ LUBBOCK	✓	458.0	26.42	8.76	1381.3	1268.3	113.0	161.8	181.2	0.0641	0.0664	0.1108	932	1,604	1,692	10.73	0.252	0.150	
AZR™ DRAKE	✓	519.7	28.14	9.53	1573.4	1440.4	133.0	187.9	210.0	0.0565	0.0588	0.0979	1,007	1,741	1,837	11.46	0.247	0.147	ACSR DRAKE
AZR™ CURLEW	✓	523.4	28.96	10.54	1613.9	1450.9	163.0	214.2	241.8	0.0561	0.0583	0.0972	1,019	1,763	1,860	11.86	0.245	0.145	ACSR CURLEW
AZR™ ARLINGTON (2/1)	✓	583.2	29.90	9.53	1749.8	1616.8	133.0	170.1	192.2	0.0492	0.0516	0.0862	1,091	1,890	1,995	12.10	0.243	0.144	ACSR Deer
AZR™ BEAUMONT (2/1)	✓	723.9	32.87	9.53	2141.7	2008.7	133.0	183.5	205.6	0.0396	0.0423	0.0699	1,239	2,163	2,286	13.23	0.237	0.139	ACSR Finch
AZR™ SAN ANTONIO (2/1)	✓	747.3	33.40	9.78	2213.8	2073.8	140.0	191.9	215.4	0.0384	0.0402	0.0659	1,278	2,239	2,366	13.44	0.235	0.139	AAAC Sorbus
AZR™ BITTERN (2/1)	✓	801.4	34.16	8.76	2334.7	2221.7	113.0	173.3	192.7	0.0358	0.0388	0.0634	1,310	2,298	2,430	13.66	0.234	0.138	ACSR BITTERN
AZR™ LAPWING (2/1)	✓	987.5	38.20	9.78	2891.0	2751.0	140.0	214.6	238.1	0.0292	0.0325	0.0523	1,479	2,622	2,776	15.27	0.226	0.132	ACSR LAPWING
AZR™ FALCON (2/1)	✓	1036.2	39.24	10.54	3049.5	2886.5	163.0	237.7	265.3	0.0278	0.0311	0.0499	1,524	2,708	2,867	15.73	0.223	0.131	ACSR FALCON
AZR™ BLUEBIRD (2/1)	✓	1388.7	44.75	10.54	4031.7	3868.7	163.0	272.0	299.6	0.0208	0.0249	0.0384	1,777	3,218	3,415	17.83	0.214	0.125	ACSR BLUEBIRD

(1) ACCC® ULS™ Core has a slightly lower weight than ACCC® Core, and thus the total weight of the ULS Conductor will be a less. See individual data sheets for nominal weight.
(2) Ampacity values based on IEEE 738-2006: 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 Watt/ft² (1033 W/m²), at corresponding surface temperatures.
(3) 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.
(4) 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.