

ACCC® AZR™ CONDUCTOR: US CUSTOMARY SIZES (US 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.	Capacitive 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		(kcmil)	(in.)	(in.)	(lb/ft)	(lb/ft)	(lb/ft)	(klbf)	(klbf)	(ohm/mile)	(ohm/mile)	(ohm/mile)	(amps)	(amps)	(amps)	(ft)	ohms/mile	Mohm-mile	Size
AZR™ OCEANSIDE	--	383.2	0.680	0.235	397	361.8	35	16.3	--	0.2434	0.2490	0.4191	545	918	965	0.0231	0.4572	0.1057	ACSR Ostrich
AZR™ LINNET	--	430.5	0.720	0.235	442	406.4	35	17.0	--	0.2167	0.2219	0.3732	586	990	1,041	0.0244	0.4506	0.1040	ACSR LINNET
AZR™ ORIOLE	--	438.6	0.741	0.280	464	414.0	50	21.5	--	0.2126	0.2176	0.3661	597	1,008	1,061	0.0254	0.4457	0.1032	ACSR ORIOLE
AZR™ IRVING	✓	609.5	0.882	0.345	651	575.3	76	31.7	36.0	0.1530	0.1570	0.2637	735	1,253	1,320	0.0303	0.4243	0.0980	
AZR™ HAWK	--	611.3	0.858	0.280	627	577.0	50	24.2	--	0.1526	0.1568	0.2632	731	1,244	1,310	0.0290	0.4296	0.0988	ACSR HAWK
AZR™ DOVE	--	713.5	0.927	0.305	732	672.9	59	28.5	--	0.1306	0.1346	0.2254	805	1,376	1,451	0.0314	0.4200	0.0965	ACSR DOVE
AZR™ GROSBEAK	--	821.4	0.990	0.320	840	774.6	65	32.0	--	0.1134	0.1173	0.1960	878	1,506	1,588	0.0335	0.4121	0.0946	ACSR GROSBEAK
AZR™ AMARILLO	✓	784.7	0.990	0.375	829	740.0	89	38.5	43.4	0.1187	0.1224	0.2050	859	1,473	1,553	0.0339	0.4107	0.0946	ACSR AMARILLO
AZR™ LUBBOCK	✓	903.9	1.040	0.345	928	852.4	76	36.4	40.7	0.1031	0.1069	0.1783	932	1,604	1,692	0.0352	0.4061	0.0931	
AZR™ DRAKE	✓	1025.6	1.108	0.375	1057	968.1	89	42.3	47.2	0.0909	0.0946	0.1575	1,007	1,741	1,837	0.0376	0.3981	0.0912	ACSR DRAKE
AZR™ CURLEW	✓	1033.0	1.140	0.415	1085	975.1	110	48.1	54.4	0.0903	0.0939	0.1564	1,019	1,763	1,860	0.0389	0.3940	0.0904	ACSR CURLEW
AZR™ ARLINGTON (2/1)	✓	1151.0	1.177	0.375	1176	1086.6	89	38.3	43.2	0.0792	0.0831	0.1388	1,091	1,890	1,995	0.0397	0.3915	0.0894	ACSR Deer
AZR™ BEAUMONT (2/1)	✓	1428.6	1.294	0.375	1439	1350.0	89	41.3	46.2	0.0638	0.0681	0.1125	1,239	2,163	2,286	0.0434	0.3807	0.0866	ACSR Finch
AZR™ SAN ANTONIO (2/1)	✓	1474.9	1.315	0.385	1488	1393.8	94	43.1	48.4	0.0618	0.0647	0.1061	1,278	2,239	2,366	0.0441	0.3787	0.0861	AAAC Sorbus
AZR™ BITTERN (2/1)	✓	1581.6	1.345	0.345	1569	1493.2	76	39.0	43.3	0.0576	0.0624	0.1021	1,310	2,298	2,430	0.0448	0.3768	0.0855	ACSR BITTERN
AZR™ LAPWING (2/1)	✓	1948.9	1.504	0.385	1943	1848.9	94	48.2	53.5	0.0470	0.0523	0.0842	1,479	2,622	2,776	0.0501	0.3633	0.0822	ACSR LAPWING
AZR™ FALCON (2/1)	✓	2045.1	1.545	0.415	2050	1940.0	110	53.4	59.7	0.0447	0.0500	0.0803	1,524	2,708	2,867	0.0516	0.3597	0.0814	ACSR FALCON
AZR™ BLUEBIRD (2/1)	✓	2740.6	1.762	0.415	2710	2600.1	110	61.1	67.4	0.0334	0.0400	0.0618	1,777	3,218	3,415	0.0585	0.3445	0.0775	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.