

ACCC® CONDUCTOR for DISTRIBUTION (US Units)

ACCC® 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 @ 60 Hz.	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/kft)	(lb/kft)	(lb/kft)	(klbf)	(klbf)	(ohm/mile)	(ohm/mile)	(ohm/mile)	(amps)	(amps)	(amps)	(ft)	ohms/mile	Mohm-mile	Size
AZR™ BRIGHTON-Z	--	113.6	0.396	0.190	129.2	106	23	8.5	--	0.8164	0.8328	1.4043	259	427	448	0.0140	0.5180	0.1217	ACSR 1/0 - ACSR RABBIT
CAMBRIDGE	--	258.5	0.557	0.190	265.0	242	23	10.6	--	0.3420	0.3492	0.5903	437	728	765	0.0189	0.4816	0.1116	ACSR DOG
AZR™ CAMBRIDGE	--	258.5	0.557	0.190	265.0	242	23	10.8	--	0.3591	0.3666	0.6178	427	712	748	0.0189	0.4816	0.1116	ACSR DOG
ODESSA	--	252.6	0.565	0.190	260.5	238	23	10.5	--	0.3520	0.3595	0.6082	432	720	757	0.0192	0.4796	0.1112	ACSR 4/0 - PENGUIN
AZR™ ODESSA	--	252.6	0.565	0.190	259.8	237	23	10.7	--	0.3667	0.3744	0.6309	424	707	743	0.0192	0.4796	0.1112	ACSR 4/0 - PENGUIN
CORONADO	--	354.2	0.642	0.190	356.6	334	23	11.2	--	0.2510	0.2566	0.4334	529	887	933	0.0216	0.4654	0.1074	ACSR 226.8 kcmil PARTRIDGE
AZR™ CORONADO	--	354.2	0.642	0.190	356.6	334	23	12.3	--	0.2636	0.2694	0.4537	516	867	912	0.0216	0.4654	0.1074	ACSR 226.8 kcmil PARTRIDGE
OCEANSIDE	--	383.2	0.680	0.235	395.2	360	35	16.0	--	0.2319	0.2374	0.4009	558	938	987	0.0231	0.4572	0.1057	ACSR 336 kcmil MERLIN
AZR OCEANSIDE	--	383.2	0.680	0.235	397.0	362	35	16.3	--	0.2434	0.2490	0.4191	545	918	965	0.0231	0.4572	0.1057	ACSR 336 kcmil MERLIN

(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: 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) The -Z designates the conductor is single layer, Z-shaped wires

(4) For AZR™ Conductors, strength at ambient temperature based on 90% of the AT3 minimum tensile strength (22.5 ksi/155 Mpa) and 75% of the composite core minimum tensile strength.