

ACCC® CONDUCTOR for DISTRIBUTION (metric 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 @ 50 Hz. | Capacitive Reactance @ 50Hz. | 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™ BRIGHTON-Z | -- | 57.6 | 10.06 | 4.83 | 192.2 | 158.0 | 34.2 | 37.6 | -- | 0.5073 | 0.5175 | 0.8726 | 259 | 427 | 448 | 4.27 | 0.268 | 0.235 | ACSR 1/0 - ACSR RABBIT |
| CAMBRIDGE | -- | 131.0 | 14.15 | 4.83 | 394.3 | 360.1 | 34.2 | 47.1 | -- | 0.2125 | 0.2170 | 0.3668 | 437 | 728 | 765 | 5.76 | 0.249 | 0.216 | ACSR DOG |
| AZR™ CAMBRIDGE | -- | 131.0 | 14.15 | 4.83 | 394.3 | 360.1 | 34.2 | 47.8 | -- | 0.2231 | 0.2278 | 0.3839 | 427 | 712 | 748 | 5.76 | 0.249 | 0.216 | ACSR DOG |
| ODESSA | -- | 128.0 | 14.35 | 4.83 | 387.6 | 353.4 | 34.2 | 46.6 | -- | 0.2187 | 0.2234 | 0.3779 | 432 | 720 | 757 | 5.85 | 0.248 | 0.215 | ACSR 4/0 - PENGUIN |
| AZR™ ODESSA | -- | 128.0 | 14.35 | 4.83 | 386.5 | 352.3 | 34.2 | 47.4 | -- | 0.2279 | 0.2326 | 0.3920 | 424 | 707 | 743 | 5.85 | 0.248 | 0.215 | ACSR 4/0 - PENGUIN |
| CORONADO | -- | 179.5 | 16.31 | 4.83 | 530.6 | 496.4 | 34.2 | 49.7 | -- | 0.1560 | 0.1594 | 0.2693 | 529 | 887 | 933 | 6.58 | 0.241 | 0.207 | ACSR 226.8 kcmil PARTRIDGE |
| AZR™ CORONADO | -- | 179.5 | 16.31 | 4.83 | 530.6 | 496.4 | 34.2 | 54.5 | -- | 0.1638 | 0.1674 | 0.2819 | 516 | 867 | 912 | 6.58 | 0.241 | 0.207 | ACSR 226.8 kcmil PARTRIDGE |
| OCEANSIDE | -- | 194.2 | 17.27 | 5.97 | 588.0 | 535.6 | 52.4 | 71.1 | -- | 0.1441 | 0.1475 | 0.2491 | 558 | 938 | 987 | 7.04 | 0.237 | 0.204 | ACSR 336 kcmil MERLIN |
| 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 | 0.237 | 0.204 | 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.