| Ultra Low Sag (ULS) | | | | EPSILON CABLE ECRC® ULS Conductor Data Sheets | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ECRC®ULS | | | | Aluminum Cross sectional area | Diameter | Core Diameter | Weight | Core Rated Strength | Cond. Rated Strength | DC at 20°C / 68°F | AC at 25°C / 77°F | AC at 75°C / 167°F | AC at 180°C / 356°F | Ampacity [1] | |
| Reference | Technical designation | International Size | ASTM Size | (kcmil) | (inch) | (inch) | (lb/kft) | (kips) | (kips) | (Ohm/mile) | (Ohm/mile) | (Ohm/mile) | (Ohm/mile) | 75°C / 167°F | 180°C / 356°F |
| ECRC® ULS 230 - 87 | ECRC® 230-AL0/87-X1 | MONTE CARLO | - | 452 | 0.818 | 0.415 | 536.5 | 50.7 | 53.8 | 0.1972 | 0.2022 | 0.2417 | 0.3249 | 649 | 1,106 |
| ECRC® ULS 320 - 60 | ECRC® 320-AL0/60-X1 | OSLO | IRVING | 622 | 0.882 | 0.345 | 661.7 | 35.0 | 39.3 | 0.1431 | 0.1474 | 0.1760 | 0.2362 | 776 | 1,329 |
| ECRC® ULS 380 - 87 | ECRC® 380-AL0/87-X1 | VANCOUVER | - | 756 | 0.984 | 0.415 | 823.4 | 50.7 | 55.9 | 0.1175 | 0.1216 | 0.1450 | 0.1943 | 880 | 1,517 |
| ECRC® ULS 470 - 60 | ECRC® 470-AL0/60-X1 | STOCKHOLM | LUBBOCK | 914 | 1.039 | 0.345 | 936.5 | 35.0 | 41.3 | 0.0972 | 0.1013 | 0.1205 | 0.1612 | 979 | 1,695 |
| ECRC® ULS 520 - 60 | ECRC® 520-AL0/60-X1 | WARSAW | GALVESTON | 1,013 | 1.091 | 0.345 | 1,030.6 | 35.0 | 42.0 | 0.0879 | 0.0920 | 0.1093 | 0.1460 | 1,041 | 1,810 |
| ECRC® ULS 530 - 71 | ECRC® 530-AL0/71-X1 | DUBLIN | DRAKE | 1,036 | 1.109 | 0.375 | 1,064.7 | 41.5 | 48.5 | 0.0858 | 0.0899 | 0.1068 | 0.1426 | 1,058 | 1,841 |
| ECRC® ULS 560 - 60 | ECRC® 560-AL0/60-X1 | HAMBURG | PLANO | 1,088 | 1.127 | 0.345 | 1,101.8 | 35.0 | 42.5 | 0.0818 | 0.0859 | 0.1020 | 0.1360 | 1,087 | 1,894 |
| ECRC® ULS 580 - 60 | ECRC® 580-AL0/60-X1 | MILAN | CORPUS CHRISTI | 1,130 | 1.146 | 0.345 | 1,140.8 | 35.0 | 42.8 | 0.0789 | 0.0830 | 0.0985 | 0.1313 | 1,111 | 1,938 |
| ECRC® ULS 600 - 71 | ECRC® 600-AL0/71-X1 | ROME | ARLINGTON | 1,175 | 1.176 | 0.375 | 1,196.4 | 41.5 | 49.5 | 0.0758 | 0.0800 | 0.0949 | 0.1264 | 1,140 | 1,993 |
| ECRC® ULS 640 - 60 | ECRC® 640-AL0/60-X1 | VIENNA | CARDINAL | 1,244 | 1.198 | 0.345 | 1,249.0 | 35.0 | 43.5 | 0.0716 | 0.0759 | 0.0899 | 0.1196 | 1,176 | 2,060 |
| ECRC® ULS 680 - 71 | ECRC® 680-AL0/71-X1 | BUDAPEST | FORT WORTH | 1,323 | 1.240 | 0.375 | 1,336.8 | 41.5 | 50.5 | 0.0673 | 0.0716 | 0.0847 | 0.1125 | 1,222 | 2,148 |
| ECRC® ULS 700 - 60 | ECRC® 700-AL0/60-X1 | PRAGUE | EL PASO | 1,373 | 1.252 | 0.345 | 1,369.9 | 35.0 | 44.4 | 0.0649 | 0.0693 | 0.0818 | 0.1086 | 1,246 | 2,193 |
| ECRC® ULS 740 - 71 | ECRC® 740-AL0/71-X1 | MUNICH | BEAUMONT | 1,456 | 1.294 | 0.375 | 1,461.8 | 41.5 | 51.4 | 0.0612 | 0.0657 | 0.0775 | 0.1027 | 1,292 | 2,280 |
| ECRC® ULS 750 - 87 | ECRC® 750-AL0/87-X1 | WARWICK | - | 1,482 | 1.315 | 0.415 | 1,503.6 | 50.7 | 60.9 | 0.0600 | 0.0646 | 0.0761 | 0.1009 | 1,308 | 2,312 |
| ECRC® ULS 770 - 75 | ECRC® 770-AL0/75-X1 | LONDON | SAN ANTONIO | 1,503 | 1.316 | 0.385 | 1,511.6 | 43.7 | 53.9 | 0.0592 | 0.0638 | 0.0752 | 0.0996 | 1,317 | 2,328 |
| ECRC® ULS 820 - 60 | ECRC® 820-AL0/60-X1 | PARIS | BITTERN | 1,608 | 1.346 | 0.345 | 1,591.0 | 35.0 | 46.0 | 0.0554 | 0.0601 | 0.0707 | 0.0934 | 1,366 | 2,421 |
| ECRC® ULS 880 - 87 | ECRC® 880-AL0/87-X1 | BORDEAUX | - | 1,725 | 1.408 | 0.415 | 1,734.3 | 50.7 | 62.5 | 0.0515 | 0.0564 | 0.0662 | 0.0872 | 1,427 | 2,542 |
| ECRC® ULS 950 - 75 | ECRC® 950-AL0/75-X1 | ANTWERP | DALLAS | 1,862 | 1.453 | 0.385 | 1,849.6 | 43.7 | 56.4 | 0.0478 | 0.0528 | 0.0619 | 0.0813 | 1,487 | 2,659 |
| ECRC® ULS 1020 - 75 | ECRC® 1020-AL0/75-X1 | MADRID | LAPWING | 1,999 | 1.503 | 0.385 | 1,979.3 | 43.7 | 57.3 | 0.0446 | 0.0498 | 0.0582 | 0.0761 | 1,546 | 2,776 |
| ECRC® ULS 1160 - 79 | ECRC® 1160-AL0/79-X1 | - | CHUKAR | 2,281 | 1.604 | 0.395 | 2,252.6 | 45.9 | 61.5 | 0.0391 | 0.0447 | 0.0520 | 0.0674 | 1,662 | 3,009 |

(1) Ampacity values based on IEEE Standard 738-2012, according to the following data: 60 Hz, zero elevation, 25˚C (77°F) ambient temperature, 0.5 Solar Absorbtivity, 0.6 Emissivity, 0.61 m/s (2 ft/s) wind and 1000 W/m² (92.9 W/ft²), at corresponding surface temperatures. Coefficient of thermal resistance is 0.00403°C-1/0.002089°F-1 for US sizes.

Depending on conductor manufacturer rated specifications may slightly change.