

BareNRG™ ACSR Aluminum Conductor



A Viakable Company

CME Wire and Cable offers BareNRG ACSR overhead conductors with a variety of conductor designs and steel core coatings to address your application requirements for transmission and distribution projects.

Construction

ACSR, a non-homogenous conductor, is a concentric-lay-stranded conductor made from round aluminum 1350-H19 (extra hard) wires and round, coated steel core wire(s). Several combinations of aluminum and steel strands and layers are available when designing ACSR conductors for overhead lines. Commonly used sizes are included here. Class A zinc coating (ACSR/GA2) is usually adequate for ordinary environments to protect the steel core wires from corrosion.

Specifications

ACSR conductors are manufactured in accordance with the ASTM specification B232. Other ASTM referenced specifications include B230, B498, B500, B606, B802, B803, B957 and B958.

Features

The favorable strength/weight ratio, achieved by the lightweight, strong conductivity of aluminum coupled with the high tensile strength of steel, makes ACSR conductors a preferred choice

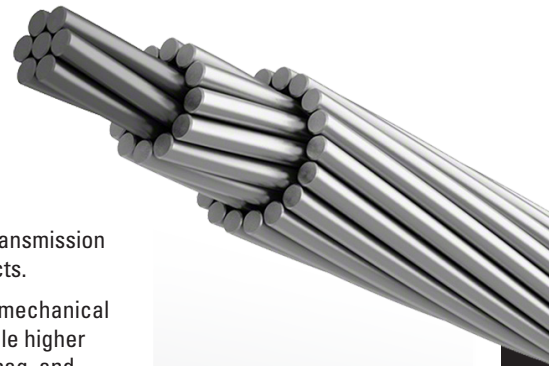
for overhead power transmission and distribution projects.

Steel strands provide mechanical reinforcement to handle higher line tensions, reduce sag, and achieve longer span lengths. ACSR conductors are also recognized for their dependable performance under adverse weather conditions.

Options

ACSR/GA2 is standard.

Other possibilities shown below.



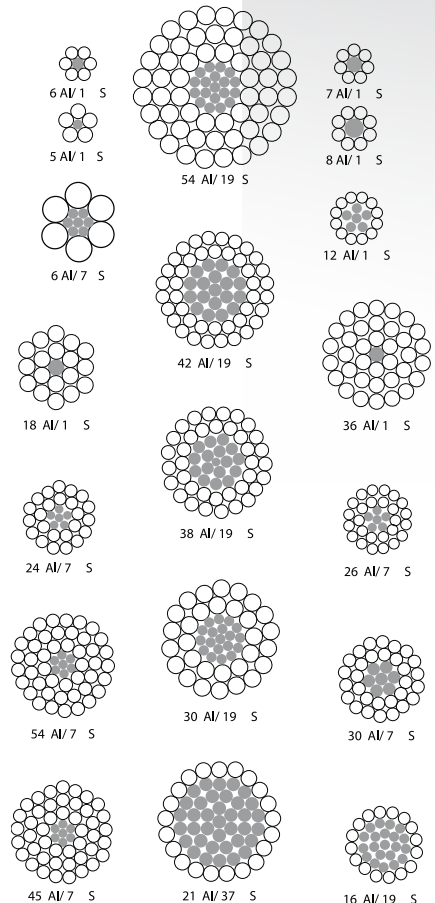
ALUMINUM
CONDUCTOR

Technical Data

BareNRG™ Options

| Steel Coating | Steel Strength | | | |
|---|----------------|------|------------|------------|
| | Standard | High | Extra High | Ultra High |
| Zinc | /GA2 /GC2 | /GA3 | /GA4 | /GA5 |
| Zinc – 5% Aluminum Mischmetal Alloy Coating | /MA2 /MC2 | /MA3 | /MA4 | /MA5 |

- /NS: Non-Specular finish available for all ACSR components.
- /HC: High-Conductivity aluminum (62.0% IACS) for all ACSR products.
- /TW: Trapezoidal-shaped aluminum wires – see ACSR/TW catalog sheet.
- /AW: Aluminum-clad steel core for all ACSR components.



Technical Data *continued*

BareNRG™

| Code Word | Size AWG or kcmil | Stranding | | | | Nominal Overall Diameter | | Cross Section | | Rated Strength lb |
|-----------|-------------------|-----------|----------|-------|----------|--------------------------|------------|-----------------|--------|----------------------|
| | | Aluminum | | Steel | | CDR | Steel Core | Aluminum | Total | |
| | | No. | Diameter | No. | Diameter | | | | | |
| | | | in | | in | in | | in ² | | |
| Turkey | 6 | 6 | 0.0661 | 1 | 0.0661 | 0.198 | 0.0661 | 0.0206 | 0.0240 | 1190 |
| Swan | 4 | 6 | 0.0834 | 1 | 0.0834 | 0.250 | 0.0834 | 0.0328 | 0.0382 | 1860 |
| Swanate | 4 | 7 | 0.0772 | 1 | 0.1029 | 0.257 | 0.1029 | 0.0328 | 0.0411 | 2360 |
| Sparrow | 2 | 6 | 0.1052 | 1 | 0.1052 | 0.316 | 0.1052 | 0.0522 | 0.0608 | 2850 |
| Sparate | 2 | 7 | 0.0974 | 1 | 0.1299 | 0.325 | 0.1299 | 0.0522 | 0.0654 | 3640 |
| Robin | 1 | 6 | 0.1181 | 1 | 0.1181 | 0.354 | 0.1181 | 0.0657 | 0.0767 | 3550 |
| Raven | 1/0 | 6 | 0.1327 | 1 | 0.1327 | 0.398 | 0.1327 | 0.0830 | 0.0968 | 4380 |
| Quail | 2/0 | 6 | 0.1489 | 1 | 0.1489 | 0.447 | 0.1489 | 0.1045 | 0.1219 | 5300 |
| Pigeon | 3/0 | 6 | 0.1672 | 1 | 0.1672 | 0.502 | 0.1672 | 0.1317 | 0.1537 | 6620 |
| Penguin | 4/0 | 6 | 0.1878 | 1 | 0.1878 | 0.563 | 0.1878 | 0.1662 | 0.1939 | 8350 |
| Waxwing | 266.8 | 18 | 0.1217 | 1 | 0.1217 | 0.609 | 0.1217 | 0.2094 | 0.2210 | 6880 |
| Partridge | 266.8 | 26 | 0.1013 | 7 | 0.0788 | 0.642 | 0.2364 | 0.2095 | 0.2437 | 11300 |
| Merlin | 336.4 | 18 | 0.1367 | 1 | 0.1367 | 0.684 | 0.1367 | 0.2642 | 0.2789 | 8680 |
| Linnet | 336.4 | 26 | 0.1137 | 7 | 0.0884 | 0.720 | 0.2652 | 0.2640 | 0.3070 | 14100 |
| Oriole | 336.4 | 30 | 0.1059 | 7 | 0.1059 | 0.741 | 0.3177 | 0.2642 | 0.3259 | 17300 |
| Chickadee | 397.5 | 18 | 0.1486 | 1 | 0.1486 | 0.743 | 0.1486 | 0.3122 | 0.3295 | 9940 |
| Ibis | 397.5 | 26 | 0.1236 | 7 | 0.0961 | 0.783 | 0.2883 | 0.3120 | 0.3627 | 16300 |
| Lark | 397.5 | 30 | 0.1151 | 7 | 0.1151 | 0.806 | 0.3453 | 0.3121 | 0.3850 | 20300 |
| Pelican | 477 | 18 | 0.1628 | 1 | 0.1628 | 0.814 | 0.1628 | 0.3747 | 0.3955 | 11800 |
| Flicker | 477 | 24 | 0.1410 | 7 | 0.0940 | 0.846 | 0.2820 | 0.3747 | 0.4233 | 17200 |
| Hawk | 477 | 26 | 0.1354 | 7 | 0.1053 | 0.858 | 0.3159 | 0.3744 | 0.4353 | 19500 |
| Hen | 477 | 30 | 0.1261 | 7 | 0.1261 | 0.883 | 0.3783 | 0.3747 | 0.4621 | 23800 |
| Osprey | 556.5 | 18 | 0.1758 | 1 | 0.1758 | 0.879 | 0.1758 | 0.4369 | 0.4612 | 13700 |
| Parakeet | 556.5 | 24 | 0.1523 | 7 | 0.1015 | 0.914 | 0.3045 | 0.4372 | 0.4939 | 19800 |
| Dove | 556.5 | 26 | 0.1463 | 7 | 0.1138 | 0.927 | 0.3414 | 0.4371 | 0.5083 | 22600 |
| Eagle | 556.5 | 30 | 0.1362 | 7 | 0.1362 | 0.953 | 0.4086 | 0.4371 | 0.5391 | 27800 |
| Peacock | 605 | 24 | 0.1588 | 7 | 0.1059 | 0.953 | 0.3177 | 0.4745 | 0.5370 | 21600 |
| Swift | 636 | 36 | 0.1329 | 1 | 0.1329 | 0.930 | 0.1329 | 0.4994 | 0.5133 | 13800 |
| Kingbird | 636 | 18 | 0.1880 | 1 | 0.1880 | 0.940 | 0.1880 | 0.4997 | 0.5274 | 15700 |
| Rook | 636 | 24 | 0.1628 | 7 | 0.1085 | 0.977 | 0.3255 | 0.4996 | 0.5643 | 22600 |
| Grosbeak | 636 | 26 | 0.1564 | 7 | 0.1216 | 0.990 | 0.3648 | 0.4995 | 0.5808 | 25200 |
| Egret | 636 | 30 | 0.1456 | 19 | 0.0874 | 1.019 | 0.4370 | 0.4995 | 0.6135 | 31500 |
| Flamingo | 666.6 | 24 | 0.1667 | 7 | 0.1111 | 1.000 | 0.3333 | 0.5238 | 0.5917 | 23700 |

- Code words shown are for standard ACSR/GA2 conductor. See the options for other applicable code word modifiers.
- Rated strengths shown are applicable for ACSR/GA2 and ACSR/MA2 cores.
- Direct current resistance is based on 61.2% IACS for 1350 wires (ASTM B230) and 8% IACS for the steel core (ASTM B498) at 20 °C using stranding increment as per ASTM B232.
- Consult IEEE 738: Standard for Calculating the Current-Temperature of Bare Overhead Conductors or contact CME Wire and Cable for assistance.
- The data are an estimate based on given criteria and subject to normal manufacturing tolerances.
- Reactance is based on 1 ft equivalent spacing.

Technical Data *continued*

BareNRG™

| Code Word | Size AWG or kcmil | Mass | | | Percent of Total Mass | | Resistance | | | Reactance | | |
|-----------|-------------------|--------|-------|-------|-----------------------|-------|------------|------------|--------|------------|-----------|--------|
| | | Al | Steel | Total | Aluminum | Steel | dc | ac – 60 Hz | | Capacitive | Inductive | |
| | | | | | | | 20 °C | 25 °C | 75 °C | | 25 °C | 75 °C |
| | | lb/kft | | | | | Ω/kft | | | MΩ/kft | Ω/kft | |
| Turkey | 6 | 24.4 | 11.6 | 36.0 | 67.8 | 32.2 | 0.6419 | 0.6553 | 0.8159 | 0.7513 | 0.1201 | 0.1439 |
| Swan | 4 | 39.0 | 18.4 | 57.4 | 67.9 | 32.1 | 0.4032 | 0.4119 | 0.5218 | 0.7149 | 0.1152 | 0.1369 |
| Swanate | 4 | 39.0 | 28.0 | 67.0 | 58.2 | 41.8 | 0.3989 | 0.4072 | 0.5165 | 0.7102 | 0.1153 | 0.1303 |
| Sparrow | 2 | 61.9 | 29.3 | 91.2 | 67.9 | 32.1 | 0.2534 | 0.2591 | 0.3360 | 0.6785 | 0.1100 | 0.1277 |
| Sparate | 2 | 61.9 | 44.7 | 106.6 | 58.1 | 41.9 | 0.2506 | 0.2563 | 0.3297 | 0.6737 | 0.1081 | 0.1206 |
| Robin | 1 | 78.1 | 36.9 | 115.0 | 67.9 | 32.1 | 0.2011 | 0.2059 | 0.2703 | 0.6600 | 0.1068 | 0.1224 |
| Raven | 1/0 | 98.6 | 46.6 | 145.2 | 67.9 | 32.1 | 0.1593 | 0.1633 | 0.2161 | 0.6421 | 0.1040 | 0.1163 |
| Quail | 2/0 | 124.1 | 58.7 | 182.8 | 67.9 | 32.1 | 0.1265 | 0.1301 | 0.1760 | 0.6241 | 0.1017 | 0.1135 |
| Pigeon | 3/0 | 156.4 | 74.1 | 230.5 | 67.9 | 32.1 | 0.1003 | 0.1034 | 0.1445 | 0.6056 | 0.0992 | 0.1095 |
| Penguin | 4/0 | 197.4 | 93.4 | 290.8 | 67.9 | 32.1 | 0.0795 | 0.0822 | 0.1157 | 0.5966 | 0.0964 | 0.1053 |
| | | | | | | | | | | | Inductive | GMR |
| | | | | | | | | | | | Ω/kft | ft |
| Waxwing | 266.8 | 249.9 | 39.2 | 289.1 | 86.4 | 13.6 | 0.0644 | 0.0657 | 0.0788 | 0.576 | 0.0934 | 0.0197 |
| Partridge | 266.8 | 251.3 | 115.6 | 366.9 | 68.5 | 31.5 | 0.0637 | 0.0652 | 0.0778 | 0.565 | 0.0881 | 0.0217 |
| Merlin | 336.4 | 315.3 | 49.5 | 364.8 | 86.4 | 13.6 | 0.0510 | 0.0523 | 0.0625 | 0.560 | 0.0877 | 0.0221 |
| Linnet | 336.4 | 316.5 | 145.5 | 462.0 | 68.5 | 31.5 | 0.0506 | 0.0517 | 0.0619 | 0.549 | 0.0854 | 0.0244 |
| Oriole | 336.4 | 317.7 | 208.7 | 526.4 | 60.4 | 39.6 | 0.0502 | 0.0513 | 0.0614 | 0.544 | 0.0843 | 0.0255 |
| Chickadee | 397.5 | 372.5 | 58.5 | 431.0 | 86.4 | 13.6 | 0.0432 | 0.0443 | 0.0528 | 0.544 | 0.0856 | 0.0240 |
| Ibis | 397.5 | 374.1 | 171.9 | 546.0 | 68.5 | 31.5 | 0.0428 | 0.0438 | 0.0525 | 0.539 | 0.0835 | 0.0265 |
| Lark | 397.5 | 375.2 | 246.6 | 621.8 | 60.4 | 39.6 | 0.0425 | 0.0434 | 0.0519 | 0.533 | 0.0824 | 0.0277 |
| Pelican | 477 | 447.1 | 70.2 | 517.3 | 86.4 | 13.6 | 0.0360 | 0.0369 | 0.0441 | 0.528 | 0.0835 | 0.0263 |
| Flicker | 477 | 449.4 | 164.5 | 613.9 | 73.2 | 26.8 | 0.0358 | 0.0367 | 0.0439 | 0.524 | 0.0818 | 0.0283 |
| Hawk | 477 | 448.9 | 206.4 | 655.3 | 68.5 | 31.5 | 0.0357 | 0.0366 | 0.0438 | 0.522 | 0.0814 | 0.0290 |
| Hen | 477 | 450.4 | 296.0 | 746.4 | 60.4 | 39.6 | 0.0354 | 0.0362 | 0.0434 | 0.517 | 0.0803 | 0.0304 |
| Osprey | 556.5 | 521.4 | 81.9 | 603.3 | 86.4 | 13.6 | 0.0309 | 0.0318 | 0.0379 | 0.518 | 0.0818 | 0.0284 |
| Parakeet | 556.5 | 524.3 | 191.8 | 716.1 | 73.2 | 26.8 | 0.0307 | 0.0314 | 0.0377 | 0.512 | 0.0801 | 0.0306 |
| Dove | 556.5 | 524.2 | 241.0 | 765.2 | 68.5 | 31.5 | 0.0305 | 0.0314 | 0.0375 | 0.510 | 0.0795 | 0.0313 |
| Eagle | 556.5 | 525.4 | 345.3 | 870.7 | 60.4 | 39.6 | 0.0300 | 0.0311 | 0.0371 | 0.505 | 0.0786 | 0.0328 |
| Peacock | 605 | 570.1 | 208.7 | 778.8 | 73.2 | 26.8 | 0.0282 | 0.0290 | 0.0347 | 0.505 | 0.0792 | 0.0319 |
| Swift | 636 | 596.0 | 46.8 | 642.8 | 92.7 | 7.3 | 0.0267 | 0.0281 | 0.0334 | 0.509 | 0.0806 | 0.0300 |
| Kingbird | 636 | 596.3 | 93.6 | 689.9 | 86.4 | 13.6 | 0.0269 | 0.0278 | 0.0332 | 0.507 | 0.0805 | 0.0301 |
| Rook | 636 | 599.1 | 219.1 | 818.2 | 73.2 | 26.8 | 0.0268 | 0.0277 | 0.0330 | 0.502 | 0.0786 | 0.0327 |
| Grosbeak | 636 | 599.0 | 275.2 | 874.2 | 68.5 | 31.5 | 0.0267 | 0.0275 | 0.0328 | 0.500 | 0.0780 | 0.0335 |
| Egret | 636 | 600.5 | 386.7 | 987.2 | 60.8 | 39.2 | 0.0266 | 0.0273 | 0.0326 | 0.495 | 0.0769 | 0.0351 |
| Flamingo | 666.6 | 628.2 | 229.7 | 857.9 | 73.2 | 26.8 | 0.0256 | 0.0263 | 0.0314 | 0.498 | 0.0780 | 0.0335 |

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2. Rated strengths shown are applicable for ACSR/GA2 and ACSR/MA2 cores.
3. Direct current resistance is based on 61.2% IACS for 1350 wires (ASTM B230) and 8% IACS for the steel core (ASTM B498) at 20 °C using stranding increment as per ASTM B232.
4. Consult IEEE 738: Standard for Calculating the Current-Temperature of Bare Overhead Conductors or contact CME Wire and Cable for assistance.
5. The data are an estimate based on given criteria and subject to normal manufacturing tolerances.
6. Reactance is based on 1 ft equivalent spacing.

Technical Data *continued*

BareNRG™

| Code Word | Size AWG or kcmil | Stranding | | | | Nominal Overall Diameter | | Cross Section | | Rated Strength lb |
|-----------|-------------------|-----------|----------|-------|----------|--------------------------|------------|-----------------|--------|----------------------|
| | | Aluminum | | Steel | | CDR | Steel Core | Aluminum | Total | |
| | | No. | Diameter | No. | Diameter | | | | | |
| | | | in | | in | in | | in ² | | |
| Starling | 715.5 | 26 | 0.1659 | 7 | 0.1290 | 1.051 | 0.3870 | 0.5620 | 0.6535 | 28400 |
| Redwing | 715.5 | 30 | 0.1544 | 19 | 0.0926 | 1.081 | 0.4630 | 0.5617 | 0.6897 | 34600 |
| Coot | 795 | 36 | 0.1486 | 1 | 0.1486 | 1.040 | 0.1486 | 0.6244 | 0.6417 | 16800 |
| Tern | 795 | 45 | 0.1329 | 7 | 0.0886 | 1.063 | 0.2658 | 0.6242 | 0.6674 | 22100 |
| Cuckoo | 795 | 24 | 0.1820 | 7 | 0.1213 | 1.092 | 0.3639 | 0.6244 | 0.7053 | 27900 |
| Condor | 795 | 54 | 0.1213 | 7 | 0.1213 | 1.092 | 0.3639 | 0.6240 | 0.7049 | 28200 |
| Drake | 795 | 26 | 0.1749 | 7 | 0.1360 | 1.108 | 0.4080 | 0.6247 | 0.7263 | 31500 |
| Mallard | 795 | 30 | 0.1628 | 19 | 0.0977 | 1.140 | 0.4885 | 0.6245 | 0.7669 | 38400 |
| Ruddy | 900 | 45 | 0.1414 | 7 | 0.0943 | 1.131 | 0.2829 | 0.7066 | 0.7555 | 24400 |
| Canary | 900 | 54 | 0.1291 | 7 | 0.1291 | 1.162 | 0.3873 | 0.7069 | 0.7985 | 31900 |
| Corncrake | 954 | 20 | 0.2184 | 7 | 0.0971 | 1.165 | 0.2913 | 0.7492 | 0.8011 | 25600 |
| Redbird | 954 | 24 | 0.1994 | 7 | 0.1329 | 1.196 | 0.3987 | 0.7495 | 0.8466 | 33500 |
| Rail | 954 | 45 | 0.1456 | 7 | 0.0971 | 1.165 | 0.2913 | 0.7492 | 0.8011 | 25900 |
| Cardinal | 954 | 54 | 0.1329 | 7 | 0.1329 | 1.196 | 0.3987 | 0.7491 | 0.8462 | 33800 |
| Ortolan | 1033.5 | 45 | 0.1515 | 7 | 0.1010 | 1.212 | 0.3030 | 0.8112 | 0.8673 | 27700 |
| Curlew | 1033.5 | 54 | 0.1383 | 7 | 0.1383 | 1.245 | 0.4149 | 0.8112 | 0.9164 | 36600 |
| Bluejay | 1113.0 | 45 | 0.1573 | 7 | 0.1049 | 1.259 | 0.3147 | 0.8745 | 0.9350 | 29800 |
| Finch | 1113.0 | 54 | 0.1436 | 19 | 0.0862 | 1.293 | 0.4310 | 0.8746 | 0.9854 | 39100 |
| Bunting | 1192.5 | 45 | 0.1628 | 7 | 0.1085 | 1.302 | 0.3255 | 0.9367 | 1.0014 | 32000 |
| Grackle | 1192.5 | 54 | 0.1486 | 19 | 0.0892 | 1.338 | 0.4460 | 0.9365 | 1.0553 | 41900 |
| Bittern | 1272.0 | 45 | 0.1681 | 7 | 0.1121 | 1.345 | 0.3363 | 0.9987 | 1.0678 | 34100 |
| Pheasant | 1272.0 | 54 | 0.1535 | 19 | 0.0921 | 1.382 | 0.4605 | 0.9993 | 1.1259 | 43600 |
| Dipper | 1351.5 | 45 | 0.1733 | 7 | 0.1155 | 1.386 | 0.3465 | 1.0614 | 1.1348 | 36200 |
| Martin | 1351.5 | 54 | 0.1582 | 19 | 0.0949 | 1.424 | 0.4745 | 1.0614 | 1.1958 | 46300 |
| Bobolink | 1431.0 | 45 | 0.1783 | 7 | 0.1189 | 1.427 | 0.3567 | 1.1236 | 1.2013 | 38300 |
| Plover | 1431.0 | 54 | 0.1628 | 19 | 0.0977 | 1.465 | 0.4885 | 1.1241 | 1.2665 | 49100 |
| Lapwing | 1590.0 | 45 | 0.1880 | 7 | 0.1253 | 1.504 | 0.3759 | 1.2492 | 1.3355 | 42200 |
| Falcon | 1590.0 | 54 | 0.1716 | 19 | 0.1030 | 1.545 | 0.5150 | 1.2489 | 1.4072 | 54500 |
| Chukar* | 1780.0 | 84 | 0.1456 | 19 | 0.0874 | 1.602 | 0.4370 | 1.3986 | 1.5126 | 51000 |
| Bluebird* | 2156.0 | 84 | 0.1602 | 19 | 0.0961 | 1.762 | 0.4805 | 1.6931 | 1.8310 | 60300 |
| Kiwi* | 2167.0 | 72 | 0.1735 | 7 | 0.1157 | 1.735 | 0.3471 | 1.7022 | 1.7758 | 49800 |
| Thrasher* | 2312.0 | 76 | 0.1744 | 19 | 0.0814 | 1.802 | 0.4070 | 1.8155 | 1.9144 | 56700 |
| Joree* | 2515.0 | 76 | 0.1819 | 19 | 0.0850 | 1.880 | 0.4250 | 1.9750 | 2.0826 | 61700 |

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 - Reactance is based on 1 ft equivalent spacing.
- * Contact CME to review availability.

Technical Data *continued*

BareNRG™

| Code Word | Size AWG or kcmil | Mass | | | Percent of Total Mass | | Resistance | | | Reactance | | |
|-----------|-------------------|----------|-------|--------|-----------------------|-------|------------|------------|--------|------------|-----------|--------|
| | | Aluminum | Steel | Total | Aluminum | Steel | dc | ac – 60 Hz | | Capacitive | Inductive | GMR |
| | | | | | | | 20 °C | 25 °C | 75 °C | | | |
| | | lb/kft | | | | | | Ω/kft | | | MO/kft | Ω/kft |
| Starling | 715.5 | 674.0 | 309.7 | 983.7 | 68.5 | 31.5 | 0.0238 | 0.0244 | 0.0292 | 0.490 | 0.0767 | 0.0355 |
| Redwing | 715.5 | 675.3 | 434.0 | 1109.3 | 60.8 | 39.2 | 0.0236 | 0.0242 | 0.0290 | 0.486 | 0.0756 | 0.0372 |
| Coot | 795 | 745.1 | 58.5 | 803.6 | 92.7 | 7.3 | 0.0217 | 0.0225 | 0.0268 | 0.492 | 0.0780 | 0.0335 |
| Tern | 795 | 749 | 146 | 895 | 83.7 | 16.3 | 0.0216 | 0.0225 | 0.0267 | 0.488 | 0.0764 | 0.0352 |
| Cuckoo | 795 | 749 | 274.0 | 1023 | 73.2 | 26.8 | 0.0215 | 0.0223 | 0.0266 | 0.484 | 0.0763 | 0.0361 |
| Condor | 795 | 748 | 274.0 | 1022 | 73.2 | 26.8 | 0.0215 | 0.0222 | 0.0265 | 0.484 | 0.0759 | 0.0368 |
| Drake | 795 | 749 | 344 | 1093 | 68.5 | 31.5 | 0.0214 | 0.0222 | 0.0263 | 0.482 | 0.0756 | 0.0375 |
| Mallard | 795 | 750.7 | 483.2 | 1233.9 | 60.8 | 39.2 | 0.0213 | 0.0220 | 0.0261 | 0.477 | 0.0744 | 0.0392 |
| Ruddy | 900 | 848 | 165 | 1013 | 83.7 | 16.3 | 0.0191 | 0.0200 | 0.0237 | 0.479 | 0.0755 | 0.0374 |
| Canary | 900 | 848 | 310 | 1158 | 73.2 | 26.8 | 0.0190 | 0.0197 | 0.0235 | 0.474 | 0.0744 | 0.0392 |
| Corncrake | 954 | 899 | 175 | 1074 | 83.7 | 16.3 | 0.0180 | 0.0188 | 0.0224 | 0.474 | 0.0751 | 0.0378 |
| Redbird | 954 | 899 | 329 | 1228 | 73.2 | 26.8 | 0.0179 | 0.0186 | 0.0221 | 0.470 | 0.0742 | 0.0396 |
| Rail | 954 | 899 | 176 | 1075 | 83.7 | 16.3 | 0.0180 | 0.0188 | 0.0223 | 0.474 | 0.0748 | 0.0385 |
| Cardinal | 954 | 898.4 | 328.7 | 1227.1 | 73.2 | 26.8 | 0.0179 | 0.0186 | 0.0222 | 0.470 | 0.0757 | 0.0404 |
| Ortolan | 1033.5 | 973 | 190 | 1163 | 83.7 | 16.3 | 0.0167 | 0.0175 | 0.0208 | 0.468 | 0.0739 | 0.0401 |
| Curlew | 1033.5 | 973 | 356 | 1329 | 73.2 | 26.8 | 0.0165 | 0.0172 | 0.0201 | 0.464 | 0.0729 | 0.0420 |
| Bluejay | 1113.0 | 1049 | 205 | 1254 | 83.7 | 16.3 | 0.0155 | 0.0163 | 0.0193 | 0.462 | 0.0731 | 0.0416 |
| Finch | 1113.0 | 1054 | 376 | 1430 | 73.7 | 26.3 | 0.0154 | 0.0161 | 0.0191 | 0.458 | 0.0702 | 0.0436 |
| Bunting | 1192.5 | 1123 | 219 | 1342 | 83.7 | 16.3 | 0.0144 | 0.0152 | 0.0181 | 0.456 | 0.0723 | 0.0431 |
| Grackle | 1192.5 | 1128 | 403 | 1531 | 73.7 | 26.3 | 0.0144 | 0.0151 | 0.0179 | 0.452 | 0.0710 | 0.0451 |
| Bittern | 1272.0 | 1198 | 234 | 1432 | 83.7 | 16.3 | 0.0135 | 0.0144 | 0.0170 | 0.451 | 0.072 | 0.0445 |
| Pheasant | 1272.0 | 1205 | 429 | 1634 | 73.7 | 26.3 | 0.0135 | 0.0142 | 0.0169 | 0.447 | 0.070 | 0.0466 |
| Dipper | 1351.5 | 1273 | 248 | 1521 | 83.7 | 16.3 | 0.0127 | 0.0136 | 0.0161 | 0.447 | 0.071 | 0.0459 |
| Martin | 1351.5 | 1279 | 456 | 1735 | 73.7 | 26.3 | 0.0127 | 0.0134 | 0.0159 | 0.442 | 0.070 | 0.0480 |
| Bobolink | 1431.0 | 1348 | 263 | 1611 | 83.7 | 16.3 | 0.0120 | 0.0129 | 0.0152 | 0.442 | 0.070 | 0.0472 |
| Plover | 1431.0 | 1355 | 483 | 1838 | 73.7 | 26.3 | 0.0120 | 0.0127 | 0.0151 | 0.438 | 0.069 | 0.0495 |
| Lapwing | 1590.0 | 1498 | 292 | 1790 | 83.8 | 16.3 | 0.0108 | 0.0117 | 0.0138 | 0.434 | 0.069 | 0.0498 |
| Falcon | 1590.0 | 1505 | 537 | 2042 | 73.7 | 26.3 | 0.0108 | 0.0116 | 0.0137 | 0.430 | 0.068 | 0.0521 |
| Chukar* | 1780.0 | 1685 | 387 | 2072 | 81.3 | 18.7 | 0.0097 | 0.0106 | 0.0125 | 0.424 | 0.067 | 0.0534 |
| Bluebird* | 2156.0 | 2040 | 468 | 2508 | 81.3 | 18.7 | 0.0080 | 0.0090 | 0.0105 | 0.409 | 0.065 | 0.0588 |
| Kiwi* | 2167.0 | 2052 | 249 | 2301 | 89.2 | 10.8 | 0.0080 | 0.0092 | 0.0106 | 0.411 | 0.068 | 0.0570 |
| Thrasher* | 2312.0 | 2188 | 335 | 2523 | 86.7 | 13.3 | 0.0075 | 0.0086 | 0.0100 | 0.405 | 0.065 | 0.0600 |
| Joree* | 2515.0 | 2383 | 366 | 2749 | 86.7 | 13.3 | 0.0069 | 0.0081 | 0.0093 | 0.399 | 0.064 | 0.0621 |

- Code words shown are for standard ACSR/GA2 conductor. See the options for other applicable code word modifiers.
 - Rated strengths shown are applicable for ACSR/GA2 and ACSR/MA2 cores.
 - Direct current resistance is based on 61.2% IACS for 1350 wires (ASTM B230) and 8% IACS for the steel core (ASTM B498) at 20 °C using stranding increment as per ASTM B232.
 - Consult IEEE 738: Standard for Calculating the Current-Temperature of Bare Overhead Conductors or contact CME Wire and Cable for assistance.
 - The data are an estimate based on given criteria and subject to normal manufacturing tolerances.
 - Reactance is based on 1 ft equivalent spacing.
- * Contact CME to review availability.

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