



SYCOR
TECHNOLOGY INC.

Bare Wire Data/ Annealed Aluminum

| Sycor Part Number | Bare Wire Diameter | | | Nom Area Cir. Mil. | Resistance At 20° | | | | | | Physical Data For Nominal Diameter | | | | |
|-------------------|--------------------|------------|------------|--------------------|-------------------|---------------------|------------------|---------------------|--------|-----------|------------------------------------|-----------|--------|-------|-------|
| | AW Size | Min. Inche | Nom. Inche | | Max. Inche | Min. Dia. OHM 1000F | Nom. Dia. OHM KM | Max. Dia. OHM 1000F | OHM KM | OHM 1000F | OHM KM | LBS/ Mft. | KG/ KM | FT/LB | M/K |
| AOB10AA | 1/0 | .3217 | .3249 | .3281 | 10560 | .1622 | .5320 | .1590 | .5216 | .1559 | .5115 | 97.17 | 144.6 | 10.29 | 6.917 |
| AOB01AA | 1 | .2864 | .2893 | .2922 | 83690 | .2046 | .6712 | .2005 | .6579 | .1966 | .6449 | 77.04 | 114.6 | 12.98 | 8.724 |
| AOB02AA | 2 | .2550 | .2576 | .2602 | 66360 | .2581 | .8467 | .2529 | .8297 | .2479 | .8132 | 61.08 | 90.88 | 16.37 | 11.00 |
| AOB03AA | 3 | .2271 | .2294 | .2317 | 52620 | .3254 | 1.068 | .3189 | 1.046 | .3126 | 1.026 | 48.44 | 72.07 | 20.65 | 13.87 |
| AOB04AA | 4 | .2023 | .2043 | .2053 | 41740 | .4101 | 1.345 | .4021 | 1.319 | .3982 | 1.306 | 38.42 | 57.16 | 26.03 | 17.49 |
| AOB05AA | 5 | .1801 | .1819 | .1828 | 33090 | .5174 | 1.697 | .5072 | 1.664 | .5022 | 1.648 | 30.46 | 45.32 | 32.84 | 22.07 |
| AOB06AA | 6 | .1604 | .1620 | .1628 | 26240 | .6523 | 2.140 | .6395 | 2.098 | .6332 | 2.077 | 24.16 | 35.94 | 41.40 | 27.82 |
| AOB07AA | 7 | .1429 | .1443 | .1450 | 20820 | .8218 | 2.696 | .8060 | 2.644 | .7982 | 2.619 | 19.17 | 28.52 | 52.18 | 35.07 |
| AOB08AA | 8 | .1272 | .1285 | .1292 | 16510 | 1.037 | 3.403 | 1.016 | 3.334 | 1.005 | 3.298 | 15.20 | 22.61 | 65.80 | 44.22 |
| AOB09AA | 9 | .1133 | .1144 | .1150 | 13090 | 1.307 | 4.289 | 1.282 | 4.207 | 1.269 | 4.163 | 12.05 | 17.92 | 83.02 | 55.79 |
| AOB10AA | 10 | .1009 | .1019 | .1024 | 10380 | 1.648 | 5.408 | 1.616 | 5.302 | 1.600 | 5.251 | 9.558 | 14.22 | 104.6 | 70.32 |
| AOB11AA | 11 | .0898 | .0907 | .0912 | 8226 | 2.081 | 6.828 | 2.040 | 6.693 | 2.018 | 6.620 | 7.572 | 11.27 | 132.1 | 88.76 |
| AOB12AA | 12 | .0800 | .0808 | .0812 | 6528 | 2.622 | 8.603 | 2.571 | 8.433 | 2.545 | 8.351 | 6.009 | 8.941 | 166.4 | 111.8 |
| AOB13AA | 13 | .0713 | .0720 | .0724 | 5183 | 3.301 | 10.83 | 3.237 | 10.62 | 3.202 | 10.50 | 4.772 | 7.100 | 209.6 | 140.8 |
| AOB14AA | 14 | .0635 | .0641 | .0644 | 4108 | 4.162 | 13.65 | 4.084 | 13.40 | 4.046 | 13.28 | 3.782 | 5.627 | 264.4 | 177.7 |
| AOB15AA | 15 | .0565 | .0571 | .0574 | 3260 | 5.257 | 17.25 | 5.147 | 16.89 | 5.094 | 16.71 | 3.001 | 4.465 | 333.3 | 223.9 |

Sycor Advance Wire and Cable