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## Bare Copper Solid or Compressed



Image not to scale. See Table 1 for dimensions.

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### CONSTRUCTION:

1. **Conductor:** Solid bare copper or Class A, B, or C compressed stranded bare copper per ASTM B3 and B8

### SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors



**Table 1 – Physical and Electrical Data**

| Stock Number        | Cond. Size | Strand Class | Strand Count   | Cond. Cmil | Diameter Over Conductor | Approx. OD | Approx. Weight | DC Resistance @ 25°C | AC Resistance @ 75°C | Rated Strength |
|---------------------|------------|--------------|----------------|------------|-------------------------|------------|----------------|----------------------|----------------------|----------------|
|                     | AWG/kcmil  |              | No. of Strands | cmil       | inch                    | inch       | lb/1000ft      | Ω/1000ft             | Ω/1000ft             | lb             |
| 550247 <sup>◇</sup> | 18         | B            | 7              | 1620       | 0.045                   | 0.045      | 4              | 6.669                | 8.035                | 22             |
| 106088 <sup>◇</sup> | 16         | Solid        | Solid          | 2580       | 0.050                   | 0.050      | 7              | 4.181                | 5.037                | 26             |
| 106146 <sup>◇</sup> | 14         | Solid        | Solid          | 4110       | 0.064                   | 0.064      | 12             | 2.631                | 3.170                | 32             |
| TBA                 | 14         | B            | 7              | 4110       | 0.070                   | 0.070      | 12             | 2.631                | 3.170                | 32             |
| TBA                 | 14         | C            | 19             | 4110       | 0.073                   | 0.073      | 12             | 2.631                | 3.170                | 32             |
| 106203 <sup>◇</sup> | 12         | Solid        | Solid          | 6530       | 0.080                   | 0.080      | 20             | 1.662                | 2.002                | 52             |
| TBA                 | 12         | B            | 7              | 6530       | 0.088                   | 0.088      | 20             | 1.662                | 2.002                | 52             |
| TBA                 | 12         | C            | 19             | 6530       | 0.090                   | 0.090      | 20             | 1.662                | 2.002                | 52             |
| 106260 <sup>◇</sup> | 10         | Solid        | Solid          | 10380      | 0.101                   | 0.101      | 32             | 1.040                | 1.253                | 83             |
| 136416              | 10         | B            | 7              | 10380      | 0.113                   | 0.113      | 32             | 1.040                | 1.253                | 83             |
| TBA                 | 10         | C            | 19             | 10380      | 0.117                   | 0.117      | 32             | 1.040                | 1.253                | 83             |
| 106328 <sup>◇</sup> | 8          | Solid        | Solid          | 16510      | 0.128                   | 0.128      | 50             | 0.653                | 0.786                | 132            |
| 106567 <sup>◇</sup> | 8          | B            | 7              | 16510      | 0.141                   | 0.141      | 50             | 0.653                | 0.786                | 132            |
| TBA                 | 8          | C            | 19             | 16510      | 0.143                   | 0.143      | 50             | 0.653                | 0.786                | 132            |
| 106385 <sup>◇</sup> | 6          | Solid        | Solid          | 26240      | 0.162                   | 0.162      | 81             | 0.411                | 0.495                | 209            |
| 106658 <sup>◇</sup> | 6          | B            | 7              | 26240      | 0.177                   | 0.177      | 81             | 0.411                | 0.495                | 209            |
| TBA                 | 6          | C            | 19             | 26240      | 0.179                   | 0.179      | 81             | 0.411                | 0.495                | 209            |
| 106443 <sup>◇</sup> | 4          | Solid        | Solid          | 41740      | 0.204                   | 0.204      | 128            | 0.258                | 0.310                | 333            |
| 106740 <sup>◇</sup> | 4          | B            | 7              | 41740      | 0.225                   | 0.225      | 128            | 0.258                | 0.310                | 333            |
| TBA                 | 4          | C            | 19             | 41740      | 0.226                   | 0.226      | 128            | 0.258                | 0.310                | 333            |
| TBA                 | 3          | Solid        | Solid          | 52620      | 0.229                   | 0.229      | 162            | 0.205                | 0.246                | 420            |
| TBA                 | 3          | B            | 7              | 52620      | 0.252                   | 0.252      | 162            | 0.205                | 0.246                | 420            |
| TBA                 | 3          | C            | 19             | 52620      | 0.254                   | 0.254      | 162            | 0.205                | 0.246                | 420            |
| 106500 <sup>◇</sup> | 2          | Solid        | Solid          | 66360      | 0.257                   | 0.257      | 204            | 0.162                | 0.195                | 530            |
| 106864 <sup>◇</sup> | 2          | B            | 7              | 66360      | 0.282                   | 0.282      | 204            | 0.162                | 0.195                | 530            |
| TBA                 | 2          | C            | 19             | 66360      | 0.286                   | 0.286      | 204            | 0.162                | 0.195                | 530            |
| TBA                 | 1          | Solid        | Solid          | 83690      | 0.289                   | 0.289      | 258            | 0.128                | 0.154                | 669            |
| TBA                 | 1          | B            | 19             | 83690      | 0.322                   | 0.322      | 258            | 0.128                | 0.154                | 669            |
| 579195              | 1          | C            | 37             | 83690      | 0.333                   | 0.333      | 258            | 0.128                | 0.154                | 669            |
| 231282              | 1/0        | Solid        | Solid          | 105600     | 0.324                   | 0.324      | 325            | 0.102                | 0.122                | 844            |
| 207712 <sup>◇</sup> | 1/0        | B            | 19             | 105600     | 0.361                   | 0.361      | 325            | 0.102                | 0.122                | 844            |
| TBA                 | 2/0        | Solid        | Solid          | 133100     | 0.364                   | 0.364      | 410            | 0.081                | 0.097                | 1064           |
| 106955 <sup>◇</sup> | 1/0        | A            | 7              | 105600     | 0.367                   | 0.368      | 326            | 0.102                | 0.122                | 844            |
| TBA                 | 1/0        | C            | 37             | 105600     | 0.373                   | 0.373      | 325            | 0.102                | 0.122                | 844            |
| 207746 <sup>◇</sup> | 2/0        | B            | 19             | 133100     | 0.405                   | 0.405      | 410            | 0.081                | 0.097                | 1064           |
| TBA                 | 3/0        | Solid        | Solid          | 167800     | 0.409                   | 0.409      | 518            | 0.064                | 0.078                | 1342           |



| Stock Number        | Cond. Size | Strand Class | Strand Count   | Cond. Cmil | Diameter Over Conductor | Approx. OD | Approx. Weight | DC Resistance @ 25°C | AC Resistance @ 75°C | Rated Strength |
|---------------------|------------|--------------|----------------|------------|-------------------------|------------|----------------|----------------------|----------------------|----------------|
|                     | AWG/kcmil  |              | No. of Strands | cmil       | inch                    | inch       | lb/1000ft      | Ω/1000ft             | Ω/1000ft             | lb             |
| 106989 <sup>◇</sup> | 2/0        | A            | 7              | 133100     | 0.413                   | 0.413      | 410            | 0.081                | 0.097                | 1064           |
| 162669 <sup>◇</sup> | 2/0        | C            | 37             | 133100     | 0.420                   | 0.420      | 410            | 0.081                | 0.097                | 1064           |
| 427641 <sup>◇</sup> | 3/0        | B            | 19             | 167800     | 0.456                   | 0.456      | 518            | 0.064                | 0.078                | 1342           |
| TBA                 | 4/0        | Solid        | Solid          | 211600     | 0.460                   | 0.460      | 653            | 0.051                | 0.062                | 1692           |
| TBA                 | 3/0        | C            | 37             | 167800     | 0.471                   | 0.471      | 518            | 0.064                | 0.078                | 1342           |
| 427633 <sup>◇</sup> | 4/0        | B            | 19             | 211600     | 0.512                   | 0.512      | 653            | 0.051                | 0.062                | 1692           |
| 107045 <sup>◇</sup> | 4/0        | A            | 7              | 211600     | 0.522                   | 0.521      | 653            | 0.051                | 0.062                | 1692           |
| 140152 <sup>◇</sup> | 4/0        | C            | 37             | 211600     | 0.529                   | 0.529      | 653            | 0.051                | 0.062                | 1692           |
| 120337              | 250        | B            | 37             | 250000     | 0.558                   | 0.558      | 771            | 0.043                | 0.053                | 2000           |
| 107078 <sup>◇</sup> | 250        | A            | 19             | 250000     | 0.573                   | 0.573      | 771            | 0.043                | 0.053                | 2000           |
| TBA                 | 250        | C            | 61             | 250000     | 0.575                   | 0.575      | 771            | 0.043                | 0.053                | 2000           |
| TBA                 | 300        | B            | 37             | 300000     | 0.610                   | 0.610      | 926            | 0.036                | 0.045                | 2400           |
| TBA                 | 300        | C            | 61             | 300000     | 0.630                   | 0.630      | 926            | 0.036                | 0.045                | 2400           |
| TBA                 | 350        | B            | 37             | 350000     | 0.661                   | 0.661      | 1081           | 0.031                | 0.039                | 2800           |
| 107136 <sup>◇</sup> | 350        | A            | 19             | 350000     | 0.679                   | 0.678      | 1080           | 0.031                | 0.039                | 2800           |
| 207852 <sup>◇</sup> | 350        | C            | 61             | 350000     | 0.681                   | 0.681      | 1081           | 0.031                | 0.039                | 2800           |
| 471020              | 400        | B            | 37             | 400000     | 0.705                   | 0.705      | 1235           | 0.027                | 0.035                | 3200           |
| TBA                 | 400        | C            | 61             | 400000     | 0.728                   | 0.728      | 1235           | 0.027                | 0.035                | 3200           |
| TBA                 | 450        | B            | 37             | 450000     | 0.749                   | 0.749      | 1389           | 0.024                | 0.031                | 3600           |
| TBA                 | 450        | C            | 61             | 450000     | 0.773                   | 0.773      | 1389           | 0.024                | 0.031                | 3600           |
| TBA                 | 500        | B            | 37             | 500000     | 0.789                   | 0.813      | 1544           | 0.022                | 0.029                | 4000           |
| TBA                 | 500        | C            | 61             | 500000     | 0.814                   | 0.814      | 1544           | 0.022                | 0.029                | 4000           |
| TBA                 | 550        | B            | 61             | 550000     | 0.828                   | 0.828      | 1698           | 0.020                | 0.026                | 4400           |
| TBA                 | 550        | C            | 91             | 550000     | 0.854                   | 0.854      | 1698           | 0.020                | 0.026                | 4400           |
| TBA                 | 600        | B            | 61             | 600000     | 0.865                   | 0.865      | 1853           | 0.018                | 0.025                | 4800           |
| TBA                 | 600        | C            | 91             | 600000     | 0.893                   | 0.893      | 1853           | 0.018                | 0.025                | 4800           |
| TBA                 | 650        | B            | 61             | 650000     | 0.901                   | 0.901      | 2007           | 0.017                | 0.023                | 5200           |
| TBA                 | 650        | C            | 91             | 650000     | 0.929                   | 0.929      | 2007           | 0.017                | 0.023                | 5200           |
| TBA                 | 700        | B            | 61             | 700000     | 0.935                   | 0.935      | 2161           | 0.015                | 0.022                | 5600           |
| TBA                 | 700        | C            | 91             | 700000     | 0.964                   | 0.964      | 2161           | 0.015                | 0.022                | 5600           |
| 107250 <sup>◇</sup> | 750        | B            | 61             | 750000     | 0.968                   | 0.968      | 2316           | 0.014                | 0.022                | 6000           |
| TBA                 | 750        | C            | 91             | 750000     | 0.998                   | 0.998      | 2316           | 0.014                | 0.022                | 6000           |
| TBA                 | 800        | B            | 61             | 800000     | 1.000                   | 1.000      | 2470           | 0.013                | 0.021                | 6400           |
| TBA                 | 800        | C            | 91             | 800000     | 1.031                   | 1.031      | 2470           | 0.013                | 0.021                | 6400           |
| TBA                 | 900        | B            | 61             | 900000     | 1.060                   | 1.060      | 2779           | 0.012                | 0.020                | 7200           |
| TBA                 | 900        | C            | 91             | 900000     | 1.093                   | 1.093      | 2779           | 0.012                | 0.020                | 7200           |
| 107284 <sup>◇</sup> | 1000       | B            | 61             | 1000000    | 1.117                   | 1.117      | 3088           | 0.011                | 0.018                | 8000           |
| TBA                 | 1000       | C            | 91             | 1000000    | 1.152                   | 1.152      | 3088           | 0.011                | 0.018                | 8000           |

All dimensions are nominal and subject to normal manufacturing tolerances



◇ Cable marked with this symbol is a standard stock item

TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.