



SIMpull® RWU90 Copper 1000 Volt

Single Copper Conductors, XLPE Insulation, 1000V / -40°C MIN, 90°C MAX, Sunlight Resistant. SIMpull® technology on sizes #8 and larger. Cable can be installed in conduit without the aid of lubrication.



Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Class B compressed stranded bare copper per ASTM B3 and ASTM B8
2. **Insulation:** Cross Linked Polyethylene (XLPE)

APPLICATIONS AND FEATURES:

Southwire's RWU90 is designed for direct earth burial (with protection as required by the inspecting authority). For service entrance above or below ground. The minimum recommended installation temperature is minus 40°C (with suitable handling procedures). Maximum conductor temperature is 90°C. Note: Standard black is sunlight resistant and marked "SR". Standard coloured insulation is not sunlight resistant. SIMpull® technology on sizes #8 and larger. Cable can be installed in conduit without the aid of lubrication.

SPECIFICATIONS:

- ASTM B3 Soft or Annealed Copper Wire
- ASTM B8 Concentric-Lay-Stranded Copper Conductors
- CSA C22.2 No. 38 Thermoset-insulated wires and cables
- CSA SUN RES - for Sunlight Resistant rating
- CSA AWM I A/B FT1

SAMPLE PRINT LEGEND:

SOUTHWIRE® LL90458 {CSA} XXX AWG (XXX{mm²}) CU RWU90 XLPE 1000 VOLTS -40°C SR





Table 1 – Weights and Measurements

| Stock Number | Cond. Size | Strand | Insul. Thickness | Approx. OD | Approx. Weight | Min Bending Radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity In Raceway 90°C† |
|--------------|------------|--------|------------------|------------|----------------|--------------------|------------------|----------------------|----------------------|----------------------------|-------------------------------------|
| | AWG/Kcmil | No. | mil | inch | lb/1000ft | inch | lb | Ω/1000ft | Ω/1000ft | Ω/1000ft | Amp |
| 578364 | 14 | 7 | 60 | 0.193 | 24 | 0.800 | 32 | 2.631 | 3.170 | 0.058 | 25 |
| 563253 | 14 | 7 | 60 | 0.193 | 24 | 0.800 | 32 | 2.631 | 3.170 | 0.058 | 25 |
| 646740 | 14 | 7 | 60 | 0.193 | 24 | 0.800 | 32 | 2.631 | 3.170 | 0.058 | 25 |
| 647607 | 14 | 7 | 60 | 0.193 | 24 | 0.800 | 32 | 2.631 | 3.170 | 0.058 | 25 |
| 566577 | 14 | 7 | 60 | 0.193 | 24 | 0.800 | 32 | 2.631 | 3.170 | 0.058 | 25 |
| 556978◇ | 14 | 7 | 60 | 0.197 | 24 | 0.800 | 32 | 2.631 | 3.170 | 0.058 | 25 |
| 556600 | 12 | 7 | 60 | 0.217 | 34 | 0.800 | 52 | 1.662 | 2.002 | 0.054 | 30 |
| 556602 | 12 | 7 | 60 | 0.217 | 34 | 0.800 | 52 | 1.662 | 2.002 | 0.054 | 30 |
| 556980 | 12 | 7 | 60 | 0.217 | 34 | 0.800 | 52 | 1.662 | 2.002 | 0.054 | 30 |
| 556603 | 12 | 7 | 60 | 0.217 | 34 | 0.800 | 52 | 1.662 | 2.002 | 0.054 | 30 |
| 556601 | 12 | 7 | 60 | 0.217 | 34 | 0.800 | 52 | 1.662 | 2.002 | 0.054 | 30 |
| 556604 | 12 | 7 | 60 | 0.217 | 34 | 0.800 | 52 | 1.662 | 2.002 | 0.054 | 30 |
| 556981 | 12 | 7 | 60 | 0.217 | 34 | 0.800 | 52 | 1.662 | 2.002 | 0.054 | 30 |
| 556982 | 12 | 7 | 60 | 0.217 | 34 | 0.800 | 52 | 1.662 | 2.002 | 0.054 | 30 |
| 556979 | 12 | 7 | 60 | 0.217 | 34 | 0.800 | 52 | 1.662 | 2.002 | 0.054 | 30 |
| 557932 | 10 | Solid | 60 | 0.227 | 45 | 0.900 | 83 | 1.040 | 1.253 | 0.050 | 40 |
| 556987 | 10 | 7 | 60 | 0.239 | 48 | 0.900 | 83 | 1.040 | 1.253 | 0.050 | 40 |
| 556598 | 10 | 7 | 60 | 0.239 | 48 | 0.900 | 83 | 1.040 | 1.253 | 0.050 | 40 |
| 556986 | 10 | 7 | 60 | 0.239 | 48 | 0.900 | 83 | 1.040 | 1.253 | 0.050 | 40 |
| 556984 | 10 | 7 | 60 | 0.239 | 48 | 0.900 | 83 | 1.040 | 1.253 | 0.050 | 40 |
| 579338 | 10 | 7 | 60 | 0.239 | 48 | 0.900 | 83 | 1.040 | 1.253 | 0.050 | 40 |
| 556983 | 10 | 7 | 60 | 0.239 | 48 | 0.900 | 83 | 1.040 | 1.253 | 0.050 | 40 |
| 556992◇ | 8 | 7 | 80 | 0.302 | 77 | 1.200 | 132 | 0.653 | 0.786 | 0.052 | 55 |
| 556989◇ | 8 | 7 | 80 | 0.312 | 79 | 1.200 | 132 | 0.653 | 0.786 | 0.052 | 55 |
| 556991◇ | 8 | 7 | 80 | 0.312 | 79 | 1.200 | 132 | 0.653 | 0.786 | 0.052 | 55 |
| 556988◇ | 8 | 7 | 80 | 0.312 | 79 | 1.200 | 132 | 0.653 | 0.786 | 0.052 | 55 |
| 556990◇ | 8 | 7 | 80 | 0.312 | 79 | 1.200 | 132 | 0.653 | 0.786 | 0.052 | 55 |
| 604517 | 6 | 7 | 80 | 0.346 | 110 | 1.300 | 209 | 0.411 | 0.495 | 0.051 | 75 |
| 587595 | 6 | 7 | 80 | 0.346 | 110 | 1.300 | 209 | 0.411 | 0.495 | 0.051 | 75 |
| 604516 | 6 | 7 | 80 | 0.346 | 110 | 1.300 | 209 | 0.411 | 0.495 | 0.051 | 75 |
| 616682 | 6 | 7 | 80 | 0.346 | 110 | 1.300 | 209 | 0.411 | 0.495 | 0.051 | 75 |
| 556995◇ | 6 | 7 | 80 | 0.348 | 113 | 1.400 | 209 | 0.411 | 0.495 | 0.051 | 75 |
| 556994◇ | 6 | 7 | 80 | 0.348 | 113 | 1.400 | 209 | 0.411 | 0.495 | 0.051 | 75 |
| 556998◇ | 6 | 7 | 80 | 0.348 | 114 | 1.400 | 209 | 0.411 | 0.495 | 0.051 | 75 |
| 643550◇ | 6 | 7 | 80 | 0.348 | 114 | 1.400 | 209 | 0.411 | 0.495 | 0.051 | 75 |
| 556996◇ | 6 | 7 | 80 | 0.348 | 113 | 1.400 | 209 | 0.411 | 0.495 | 0.051 | 75 |
| 556997◇ | 6 | 7 | 80 | 0.348 | 114 | 1.400 | 209 | 0.411 | 0.495 | 0.051 | 75 |
| 557003◇ | 4 | 7 | 80 | 0.395 | 168 | 1.600 | 333 | 0.258 | 0.310 | 0.048 | 95 |
| 557000◇ | 4 | 7 | 80 | 0.395 | 168 | 1.600 | 333 | 0.258 | 0.310 | 0.048 | 95 |





| Stock Number | Cond. Size | Strand | Insul. Thickness | Approx. OD | Approx. Weight | Min Bending Radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity In Raceway 90°C† |
|--------------|------------|--------|------------------|------------|----------------|--------------------|------------------|----------------------|----------------------|----------------------------|-------------------------------------|
| | AWG/Kcmil | No. | mil | inch | lb/1000ft | inch | lb | Ω/1000ft | Ω/1000ft | Ω/1000ft | Amp |
| 557001◇ | 4 | 7 | 80 | 0.395 | 168 | 1.600 | 333 | 0.258 | 0.310 | 0.048 | 95 |
| 557002◇ | 4 | 7 | 80 | 0.395 | 168 | 1.600 | 333 | 0.258 | 0.310 | 0.048 | 95 |
| 556999◇ | 4 | 7 | 80 | 0.395 | 168 | 1.600 | 333 | 0.258 | 0.310 | 0.048 | 95 |
| 137969◇ | 3 | 7 | 80 | 0.422 | 205 | 1.700 | 420 | 0.205 | 0.246 | 0.047 | 115 |
| 557004◇ | 3 | 7 | 80 | 0.422 | 205 | 1.700 | 420 | 0.205 | 0.246 | 0.047 | 115 |
| 641557◇ | 3 | 7 | 80 | 0.422 | 205 | 1.700 | 420 | 0.205 | 0.246 | 0.047 | 115 |
| 606619 | 2 | 7 | 80 | 0.451 | 247 | 1.800 | 530 | 0.162 | 0.195 | 0.045 | 130 |
| 557006◇ | 2 | 7 | 80 | 0.453 | 252 | 1.800 | 530 | 0.162 | 0.195 | 0.045 | 130 |
| 571898◇ | 2 | 7 | 80 | 0.453 | 252 | 1.800 | 530 | 0.162 | 0.195 | 0.045 | 130 |
| 557005◇ | 2 | 7 | 80 | 0.453 | 252 | 1.800 | 530 | 0.162 | 0.195 | 0.045 | 130 |
| 557007◇ | 2 | 7 | 80 | 0.453 | 252 | 1.800 | 530 | 0.162 | 0.195 | 0.045 | 130 |
| 556596 | 2 | 7 | 80 | 0.453 | 252 | 1.800 | 530 | 0.162 | 0.195 | 0.045 | 130 |
| 137926◇ | 1 | 19 | 95 | 0.522 | 320 | 2.100 | 669 | 0.128 | 0.154 | 0.046 | 145 |
| 556378 | 1 | 19 | 95 | 0.522 | 313 | 2.000 | 669 | 0.128 | 0.154 | 0.046 | 145 |
| 557008 | 1/0 | 19 | 95 | 0.552 | 383 | 2.200 | 844 | 0.102 | 0.122 | 0.044 | 170 |
| 556379 | 1/0 | 19 | 95 | 0.552 | 383 | 2.200 | 844 | 0.102 | 0.122 | 0.044 | 170 |
| 666074◇ | 1/0 | 19 | 95 | 0.562 | 393 | 2.200 | 844 | 0.102 | 0.122 | 0.044 | 170 |
| 666075◇ | 1/0 | 19 | 95 | 0.562 | 393 | 2.200 | 844 | 0.102 | 0.122 | 0.044 | 170 |
| 590651◇ | 1/0 | 19 | 95 | 0.562 | 394 | 2.200 | 844 | 0.102 | 0.122 | 0.044 | 170 |
| 669505◇ | 1/0 | 19 | 95 | 0.562 | 394 | 2.200 | 844 | 0.102 | 0.122 | 0.044 | 170 |
| 664805◇ | 1/0 | 19 | 95 | 0.562 | 394 | 2.200 | 844 | 0.102 | 0.122 | 0.044 | 170 |
| 578090 | 2/0 | 19 | 95 | 0.596 | 480 | 2.300 | 1064 | 0.081 | 0.097 | 0.043 | 195 |
| 556380 | 2/0 | 19 | 95 | 0.596 | 480 | 2.300 | 1064 | 0.081 | 0.097 | 0.043 | 195 |
| 668801◇ | 2/0 | 19 | 95 | 0.604 | 485 | 2.400 | 1064 | 0.081 | 0.097 | 0.043 | 195 |
| 668800◇ | 2/0 | 19 | 95 | 0.604 | 485 | 2.400 | 1064 | 0.081 | 0.097 | 0.043 | 195 |
| 138905◇ | 2/0 | 19 | 95 | 0.604 | 485 | 2.400 | 1064 | 0.081 | 0.097 | 0.043 | 195 |
| 668802◇ | 2/0 | 19 | 95 | 0.604 | 485 | 2.400 | 1064 | 0.081 | 0.097 | 0.043 | 195 |
| 590652◇ | 2/0 | 19 | 95 | 0.606 | 485 | 2.400 | 1064 | 0.081 | 0.097 | 0.043 | 195 |
| 593060◇ | 3/0 | 19 | 95 | 0.654 | 600 | 2.600 | 1342 | 0.064 | 0.078 | 0.042 | 225 |
| 593058◇ | 3/0 | 19 | 95 | 0.654 | 600 | 2.600 | 1342 | 0.064 | 0.078 | 0.042 | 225 |
| 593059◇ | 3/0 | 19 | 95 | 0.654 | 600 | 2.600 | 1342 | 0.064 | 0.078 | 0.042 | 225 |
| 590653◇ | 3/0 | 19 | 95 | 0.654 | 600 | 2.600 | 1342 | 0.064 | 0.078 | 0.042 | 225 |
| 556382 | 3/0 | 19 | 95 | 0.654 | 591 | 2.600 | 1342 | 0.064 | 0.078 | 0.042 | 225 |
| 668805◇ | 4/0 | 19 | 95 | 0.698 | 738 | 2.800 | 1692 | 0.051 | 0.062 | 0.041 | 260 |
| 668806◇ | 4/0 | 19 | 95 | 0.698 | 739 | 2.800 | 1692 | 0.051 | 0.062 | 0.041 | 260 |
| 583440 | 4/0 | 19 | 95 | 0.710 | 744 | 2.800 | 1692 | 0.051 | 0.062 | 0.041 | 260 |
| 557012 | 4/0 | 19 | 95 | 0.710 | 744 | 2.800 | 1692 | 0.051 | 0.062 | 0.041 | 260 |
| 678382◇ | 4/0 | 19 | 95 | 0.710 | 746 | 2.800 | 1692 | 0.051 | 0.062 | 0.041 | 260 |
| 590654◇ | 4/0 | 19 | 95 | 0.710 | 746 | 2.800 | 1692 | 0.051 | 0.062 | 0.041 | 260 |
| 556383 | 4/0 | 19 | 95 | 0.710 | 744 | 2.800 | 1692 | 0.051 | 0.062 | 0.041 | 260 |
| 590655◇ | 250 | 37 | 110 | 0.774 | 875 | 3.100 | 2000 | 0.043 | 0.053 | 0.041 | 290 |





| Stock Number | Cond. Size | Strand | Insul. Thickness | Approx. OD | Approx. Weight | Min Bending Radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity In Raceway 90°C† |
|--------------|------------|--------|------------------|------------|----------------|--------------------|------------------|----------------------|----------------------|----------------------------|-------------------------------------|
| | AWG/Kcmil | No. | mil | inch | lb/1000ft | inch | lb | Ω/1000ft | Ω/1000ft | Ω/1000ft | Amp |
| 578307 | 250 | 37 | 110 | 0.778 | 867 | 3.100 | 2000 | 0.043 | 0.053 | 0.041 | 290 |
| 590656◇ | 350 | 37 | 110 | 0.873 | 1198 | 3.500 | 2800 | 0.031 | 0.039 | 0.040 | 350 |
| 590658◇ | 350 | 37 | 110 | 0.873 | 1198 | 3.500 | 2800 | 0.031 | 0.039 | 0.040 | 350 |
| 590657◇ | 350 | 37 | 110 | 0.873 | 1208 | 3.500 | 2800 | 0.031 | 0.039 | 0.040 | 350 |
| 575227 | 350 | 37 | 110 | 0.881 | 1191 | 3.500 | 2800 | 0.031 | 0.039 | 0.040 | 350 |
| 590659◇ | 350 | 37 | 110 | 0.893 | 1211 | 3.600 | 2800 | 0.031 | 0.039 | 0.040 | 350 |
| 590662◇ | 500 | 37 | 110 | 0.998 | 1680 | 4.000 | 4000 | 0.022 | 0.029 | 0.039 | 430 |
| 590660◇ | 500 | 37 | 110 | 0.998 | 1680 | 4.000 | 4000 | 0.022 | 0.029 | 0.039 | 430 |
| 590663◇ | 500 | 37 | 110 | 0.998 | 1680 | 4.000 | 4000 | 0.022 | 0.029 | 0.039 | 430 |
| 590661◇ | 500 | 37 | 110 | 0.998 | 1681 | 4.000 | 4000 | 0.022 | 0.029 | 0.039 | 430 |
| 577680 | 500 | 37 | 110 | 1.009 | 1673 | 5.000 | 4000 | 0.022 | 0.029 | 0.039 | 430 |
| 592347◇ | 600 | 61 | 125 | 1.104 | 2017 | 5.500 | 4800 | 0.018 | 0.025 | 0.039 | 475 |
| 592350 | 600 | 61 | 125 | 1.104 | 2019 | 5.500 | 4800 | 0.018 | 0.025 | 0.039 | 475 |
| 592348 | 600 | 61 | 125 | 1.104 | 2017 | 5.500 | 4800 | 0.018 | 0.025 | 0.039 | 475 |
| 592349 | 600 | 61 | 125 | 1.104 | 2018 | 5.500 | 4800 | 0.018 | 0.025 | 0.039 | 475 |
| 577681 | 600 | 61 | 125 | 1.130 | 2019 | 5.600 | 4800 | 0.018 | 0.025 | 0.039 | 475 |
| 590664◇ | 750 | 61 | 125 | 1.203 | 2495 | 6.000 | 6000 | 0.014 | 0.022 | 0.038 | 535 |
| 577682 | 750 | 61 | 125 | 1.218 | 2489 | 6.000 | 6000 | 0.014 | 0.022 | 0.038 | 535 |
| 577683 | 1000 | 61 | 125 | 1.367 | 3285 | 6.800 | 8000 | 0.011 | 0.019 | 0.037 | 615 |
| 671492◇ | 1000 | 61 | 125 | 1.381 | 3319 | 6.900 | 8000 | 0.011 | 0.018 | 0.037 | 615 |

All dimensions are nominal and subject to normal manufacturing tolerances

◇ Cable marked with this symbol is a standard stock item

* Ampacities derived from the 2021 Canadian Electrical Code Table 1 for not more than three insulated copper conductors, rated not more than 5000 V and unshielded, in raceway or cable (based on an ambient temperature of 30 °C)

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.





Table 2 – Weights and Measurements (Metric)

| Stock Number | Cond. Size | Strand | Insul. Thickness | Approx. OD | Approx. Weight | Min Bending Radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity In Raceway 90°C |
|--------------|------------|--------|------------------|------------|----------------|--------------------|------------------|----------------------|----------------------|----------------------------|------------------------------------|
| | AWG/Kcmil | No. | mm | mm | kg/km | mm | newton | Ω/km | Ω/km | Ω/km | Amp |
| 578364 | 14 | 7 | 1.52 | 4.90 | 36 | 20.32 | 142 | 8.63 | 10.40 | 0.1903 | 25 |
| 563253 | 14 | 7 | 1.52 | 4.90 | 36 | 20.32 | 142 | 8.63 | 10.40 | 0.1903 | 25 |
| 646740 | 14 | 7 | 1.52 | 4.90 | 36 | 20.32 | 142 | 8.63 | 10.40 | 0.1903 | 25 |
| 647607 | 14 | 7 | 1.52 | 4.90 | 36 | 20.32 | 142 | 8.63 | 10.40 | 0.1903 | 25 |
| 566577 | 14 | 7 | 1.52 | 4.90 | 36 | 20.32 | 142 | 8.63 | 10.40 | 0.1903 | 25 |
| 556978 | 14 | 7 | 1.52 | 5.00 | 36 | 20.32 | 142 | 8.63 | 10.40 | 0.1903 | 25 |
| 556600 | 12 | 7 | 1.52 | 5.51 | 51 | 20.32 | 231 | 5.45 | 6.57 | 0.1772 | 30 |
| 556602 | 12 | 7 | 1.52 | 5.51 | 51 | 20.32 | 231 | 5.45 | 6.57 | 0.1772 | 30 |
| 556980 | 12 | 7 | 1.52 | 5.51 | 51 | 20.32 | 231 | 5.45 | 6.57 | 0.1772 | 30 |
| 556603 | 12 | 7 | 1.52 | 5.51 | 51 | 20.32 | 231 | 5.45 | 6.57 | 0.1772 | 30 |
| 556601 | 12 | 7 | 1.52 | 5.51 | 51 | 20.32 | 231 | 5.45 | 6.57 | 0.1772 | 30 |
| 556604 | 12 | 7 | 1.52 | 5.51 | 51 | 20.32 | 231 | 5.45 | 6.57 | 0.1772 | 30 |
| 556981 | 12 | 7 | 1.52 | 5.51 | 51 | 20.32 | 231 | 5.45 | 6.57 | 0.1772 | 30 |
| 556982 | 12 | 7 | 1.52 | 5.51 | 51 | 20.32 | 231 | 5.45 | 6.57 | 0.1772 | 30 |
| 556979 | 12 | 7 | 1.52 | 5.51 | 51 | 20.32 | 231 | 5.45 | 6.57 | 0.1772 | 30 |
| 557932 | 10 | Solid | 1.52 | 5.77 | 67 | 22.86 | 369 | 3.41 | 4.11 | 0.1640 | 40 |
| 556987 | 10 | 7 | 1.52 | 6.07 | 71 | 22.86 | 369 | 3.41 | 4.11 | 0.1640 | 40 |
| 556598 | 10 | 7 | 1.52 | 6.07 | 71 | 22.86 | 369 | 3.41 | 4.11 | 0.1640 | 40 |
| 556986 | 10 | 7 | 1.52 | 6.07 | 71 | 22.86 | 369 | 3.41 | 4.11 | 0.1640 | 40 |
| 556984 | 10 | 7 | 1.52 | 6.07 | 71 | 22.86 | 369 | 3.41 | 4.11 | 0.1640 | 40 |
| 579338 | 10 | 7 | 1.52 | 6.07 | 71 | 22.86 | 369 | 3.41 | 4.11 | 0.1640 | 40 |
| 556983 | 10 | 7 | 1.52 | 6.07 | 71 | 22.86 | 369 | 3.41 | 4.11 | 0.1640 | 40 |
| 556992 | 8 | 7 | 2.03 | 7.67 | 115 | 30.48 | 587 | 2.14 | 2.58 | 0.1706 | 55 |
| 556989 | 8 | 7 | 2.03 | 7.92 | 118 | 30.48 | 587 | 2.14 | 2.58 | 0.1706 | 55 |
| 556991 | 8 | 7 | 2.03 | 7.92 | 118 | 30.48 | 587 | 2.14 | 2.58 | 0.1706 | 55 |
| 556988 | 8 | 7 | 2.03 | 7.92 | 118 | 30.48 | 587 | 2.14 | 2.58 | 0.1706 | 55 |
| 556990 | 8 | 7 | 2.03 | 7.92 | 118 | 30.48 | 587 | 2.14 | 2.58 | 0.1706 | 55 |
| 604517 | 6 | 7 | 2.03 | 8.79 | 164 | 33.02 | 930 | 1.35 | 1.62 | 0.1673 | 75 |
| 587595 | 6 | 7 | 2.03 | 8.79 | 164 | 33.02 | 930 | 1.35 | 1.62 | 0.1673 | 75 |
| 604516 | 6 | 7 | 2.03 | 8.79 | 164 | 33.02 | 930 | 1.35 | 1.62 | 0.1673 | 75 |
| 616682 | 6 | 7 | 2.03 | 8.79 | 164 | 33.02 | 930 | 1.35 | 1.62 | 0.1673 | 75 |
| 556995 | 6 | 7 | 2.03 | 8.84 | 168 | 35.56 | 930 | 1.35 | 1.62 | 0.1673 | 75 |
| 556994 | 6 | 7 | 2.03 | 8.84 | 168 | 35.56 | 930 | 1.35 | 1.62 | 0.1673 | 75 |
| 556998 | 6 | 7 | 2.03 | 8.84 | 170 | 35.56 | 930 | 1.35 | 1.62 | 0.1673 | 75 |
| 643550 | 6 | 7 | 2.03 | 8.84 | 170 | 35.56 | 930 | 1.35 | 1.62 | 0.1673 | 75 |
| 556996 | 6 | 7 | 2.03 | 8.84 | 168 | 35.56 | 930 | 1.35 | 1.62 | 0.1673 | 75 |
| 556997 | 6 | 7 | 2.03 | 8.84 | 170 | 35.56 | 930 | 1.35 | 1.62 | 0.1673 | 75 |
| 557003 | 4 | 7 | 2.03 | 10.03 | 250 | 40.64 | 1482 | 0.85 | 1.02 | 0.1575 | 95 |
| 557000 | 4 | 7 | 2.03 | 10.03 | 250 | 40.64 | 1482 | 0.85 | 1.02 | 0.1575 | 95 |





| Stock Number | Cond. Size | Strand | Insul. Thickness | Approx. OD | Approx. Weight | Min Bending Radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity In Raceway 90°C |
|--------------|------------|--------|------------------|------------|----------------|--------------------|------------------|----------------------|----------------------|----------------------------|------------------------------------|
| | AWG/Kcmil | No. | mm | mm | kg/km | mm | newton | Ω/km | Ω/km | Ω/km | Amp |
| 557001◇ | 4 | 7 | 2.03 | 10.03 | 250 | 40.64 | 1482 | 0.85 | 1.02 | 0.1575 | 95 |
| 557002◇ | 4 | 7 | 2.03 | 10.03 | 250 | 40.64 | 1482 | 0.85 | 1.02 | 0.1575 | 95 |
| 556999◇ | 4 | 7 | 2.03 | 10.03 | 250 | 40.64 | 1482 | 0.85 | 1.02 | 0.1575 | 95 |
| 137969◇ | 3 | 7 | 2.03 | 10.72 | 305 | 43.18 | 1869 | 0.67 | 0.81 | 0.1542 | 115 |
| 557004◇ | 3 | 7 | 2.03 | 10.72 | 305 | 43.18 | 1869 | 0.67 | 0.81 | 0.1542 | 115 |
| 641557◇ | 3 | 7 | 2.03 | 10.72 | 305 | 43.18 | 1869 | 0.67 | 0.81 | 0.1542 | 115 |
| 606619 | 2 | 7 | 2.03 | 11.46 | 368 | 45.72 | 2359 | 0.53 | 0.64 | 0.1476 | 130 |
| 557006◇ | 2 | 7 | 2.03 | 11.51 | 375 | 45.72 | 2359 | 0.53 | 0.64 | 0.1476 | 130 |
| 571898◇ | 2 | 7 | 2.03 | 11.51 | 375 | 45.72 | 2359 | 0.53 | 0.64 | 0.1476 | 130 |
| 557005◇ | 2 | 7 | 2.03 | 11.51 | 375 | 45.72 | 2359 | 0.53 | 0.64 | 0.1476 | 130 |
| 557007◇ | 2 | 7 | 2.03 | 11.51 | 375 | 45.72 | 2359 | 0.53 | 0.64 | 0.1476 | 130 |
| 556596 | 2 | 7 | 2.03 | 11.51 | 375 | 45.72 | 2359 | 0.53 | 0.64 | 0.1476 | 130 |
| 137926◇ | 1 | 19 | 2.41 | 13.26 | 476 | 53.34 | 2977 | 0.42 | 0.51 | 0.1509 | 145 |
| 556378 | 1 | 19 | 2.41 | 13.26 | 466 | 50.80 | 2977 | 0.42 | 0.51 | 0.1509 | 145 |
| 557008 | 1/0 | 19 | 2.41 | 14.02 | 570 | 55.88 | 3756 | 0.33 | 0.40 | 0.1444 | 170 |
| 556379 | 1/0 | 19 | 2.41 | 14.02 | 570 | 55.88 | 3756 | 0.33 | 0.40 | 0.1444 | 170 |
| 666074◇ | 1/0 | 19 | 2.41 | 14.27 | 585 | 55.88 | 3756 | 0.33 | 0.40 | 0.1444 | 170 |
| 666075◇ | 1/0 | 19 | 2.41 | 14.27 | 585 | 55.88 | 3756 | 0.33 | 0.40 | 0.1444 | 170 |
| 590651◇ | 1/0 | 19 | 2.41 | 14.27 | 586 | 55.88 | 3756 | 0.33 | 0.40 | 0.1444 | 170 |
| 669505◇ | 1/0 | 19 | 2.41 | 14.27 | 586 | 55.88 | 3756 | 0.33 | 0.40 | 0.1444 | 170 |
| 664805◇ | 1/0 | 19 | 2.41 | 14.27 | 586 | 55.88 | 3756 | 0.33 | 0.40 | 0.1444 | 170 |
| 578090 | 2/0 | 19 | 2.41 | 15.14 | 714 | 58.42 | 4735 | 0.27 | 0.32 | 0.1411 | 195 |
| 556380 | 2/0 | 19 | 2.41 | 15.14 | 714 | 58.42 | 4735 | 0.27 | 0.32 | 0.1411 | 195 |
| 668801◇ | 2/0 | 19 | 2.41 | 15.34 | 722 | 60.96 | 4735 | 0.27 | 0.32 | 0.1411 | 195 |
| 668800◇ | 2/0 | 19 | 2.41 | 15.34 | 722 | 60.96 | 4735 | 0.27 | 0.32 | 0.1411 | 195 |
| 138905◇ | 2/0 | 19 | 2.41 | 15.34 | 722 | 60.96 | 4735 | 0.27 | 0.32 | 0.1411 | 195 |
| 668802◇ | 2/0 | 19 | 2.41 | 15.34 | 722 | 60.96 | 4735 | 0.27 | 0.32 | 0.1411 | 195 |
| 590652◇ | 2/0 | 19 | 2.41 | 15.39 | 722 | 60.96 | 4735 | 0.27 | 0.32 | 0.1411 | 195 |
| 593060◇ | 3/0 | 19 | 2.41 | 16.61 | 893 | 66.04 | 5972 | 0.21 | 0.26 | 0.1378 | 225 |
| 593058◇ | 3/0 | 19 | 2.41 | 16.61 | 893 | 66.04 | 5972 | 0.21 | 0.26 | 0.1378 | 225 |
| 593059◇ | 3/0 | 19 | 2.41 | 16.61 | 893 | 66.04 | 5972 | 0.21 | 0.26 | 0.1378 | 225 |
| 590653◇ | 3/0 | 19 | 2.41 | 16.61 | 893 | 66.04 | 5972 | 0.21 | 0.26 | 0.1378 | 225 |
| 556382 | 3/0 | 19 | 2.41 | 16.61 | 880 | 66.04 | 5972 | 0.21 | 0.26 | 0.1378 | 225 |
| 668805◇ | 4/0 | 19 | 2.41 | 17.73 | 1098 | 71.12 | 7529 | 0.17 | 0.20 | 0.1345 | 260 |
| 668806◇ | 4/0 | 19 | 2.41 | 17.73 | 1100 | 71.12 | 7529 | 0.17 | 0.20 | 0.1345 | 260 |
| 583440 | 4/0 | 19 | 2.41 | 18.03 | 1107 | 71.12 | 7529 | 0.17 | 0.20 | 0.1345 | 260 |
| 557012 | 4/0 | 19 | 2.41 | 18.03 | 1107 | 71.12 | 7529 | 0.17 | 0.20 | 0.1345 | 260 |
| 678382◇ | 4/0 | 19 | 2.41 | 18.03 | 1110 | 71.12 | 7529 | 0.17 | 0.20 | 0.1345 | 260 |
| 590654◇ | 4/0 | 19 | 2.41 | 18.03 | 1110 | 71.12 | 7529 | 0.17 | 0.20 | 0.1345 | 260 |
| 556383 | 4/0 | 19 | 2.41 | 18.03 | 1107 | 71.12 | 7529 | 0.17 | 0.20 | 0.1345 | 260 |
| 590655◇ | 250 | 37 | 2.79 | 19.66 | 1302 | 78.74 | 8900 | 0.14 | 0.17 | 0.1345 | 290 |





| Stock Number | Cond. Size | Strand | Insul. Thickness | Approx. OD | Approx. Weight | Min Bending Radius | Max Pull Tension | DC Resistance @ 25°C | AC Resistance @ 75°C | Inductive Reactance @ 60Hz | Allowable Ampacity In Raceway 90°C |
|--------------|------------|--------|------------------|------------|----------------|--------------------|------------------|----------------------|----------------------|----------------------------|------------------------------------|
| | AWG/Kcmil | No. | mm | mm | kg/km | mm | newton | Ω/km | Ω/km | Ω/km | Amp |
| 578307 | 250 | 37 | 2.79 | 19.76 | 1290 | 78.74 | 8900 | 0.14 | 0.17 | 0.1345 | 290 |
| 590656◇ | 350 | 37 | 2.79 | 22.17 | 1783 | 88.90 | 12460 | 0.10 | 0.13 | 0.1312 | 350 |
| 590658◇ | 350 | 37 | 2.79 | 22.17 | 1783 | 88.90 | 12460 | 0.10 | 0.13 | 0.1312 | 350 |
| 590657◇ | 350 | 37 | 2.79 | 22.17 | 1798 | 88.90 | 12460 | 0.10 | 0.13 | 0.1312 | 350 |
| 575227 | 350 | 37 | 2.79 | 22.38 | 1772 | 88.90 | 12460 | 0.10 | 0.13 | 0.1312 | 350 |
| 590659◇ | 350 | 37 | 2.79 | 22.68 | 1802 | 91.44 | 12460 | 0.10 | 0.13 | 0.1312 | 350 |
| 590662◇ | 500 | 37 | 2.79 | 25.35 | 2500 | 101.60 | 17800 | 0.07 | 0.10 | 0.1280 | 430 |
| 590660◇ | 500 | 37 | 2.79 | 25.35 | 2500 | 101.60 | 17800 | 0.07 | 0.10 | 0.1280 | 430 |
| 590663◇ | 500 | 37 | 2.79 | 25.35 | 2500 | 101.60 | 17800 | 0.07 | 0.10 | 0.1280 | 430 |
| 590661◇ | 500 | 37 | 2.79 | 25.35 | 2502 | 101.60 | 17800 | 0.07 | 0.10 | 0.1280 | 430 |
| 577680 | 500 | 37 | 2.79 | 25.63 | 2490 | 127.00 | 17800 | 0.07 | 0.10 | 0.1280 | 430 |
| 592347◇ | 600 | 61 | 3.18 | 28.04 | 3002 | 139.70 | 21360 | 0.06 | 0.08 | 0.1280 | 475 |
| 592350 | 600 | 61 | 3.18 | 28.04 | 3005 | 139.70 | 21360 | 0.06 | 0.08 | 0.1280 | 475 |
| 592348 | 600 | 61 | 3.18 | 28.04 | 3002 | 139.70 | 21360 | 0.06 | 0.08 | 0.1280 | 475 |
| 592349 | 600 | 61 | 3.18 | 28.04 | 3003 | 139.70 | 21360 | 0.06 | 0.08 | 0.1280 | 475 |
| 577681 | 600 | 61 | 3.18 | 28.70 | 3005 | 142.24 | 21360 | 0.06 | 0.08 | 0.1280 | 475 |
| 590664◇ | 750 | 61 | 3.18 | 30.56 | 3713 | 152.40 | 26700 | 0.05 | 0.07 | 0.1247 | 535 |
| 577682 | 750 | 61 | 3.18 | 30.94 | 3704 | 152.40 | 26700 | 0.05 | 0.07 | 0.1247 | 535 |
| 577683 | 1000 | 61 | 3.18 | 34.72 | 4889 | 172.72 | 35600 | 0.04 | 0.06 | 0.1214 | 615 |
| 671492◇ | 1000 | 61 | 3.18 | 35.08 | 4939 | 175.26 | 35600 | 0.04 | 0.06 | 0.1214 | 615 |

All dimensions are nominal and subject to normal manufacturing tolerances

◇ Cable marked with this symbol is a standard stock item

* Ampacities derived from the 2021 Canadian Electrical Code Table 1 for not more than three insulated copper conductors, rated not more than 5000 V and unshielded, in raceway or cable (based on an ambient temperature of 30 °C)

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.





Stock Code Colors

| Size (Strand) | Color | Stock Number |
|---------------|-------|--------------|
| 14 (7) | GN | 578364 |
| 14 (7) | WE | 563253 |
| 14 (7) | RD | 646740 |
| 14 (7) | BE | 647607 |
| 14 (7) | YW | 566577 |
| 14 (7) | BK | 556978 |
| 12 (7) | BK | 556979 |
| 12 (7) | BE | 556600 |
| 12 (7) | BN | 556602 |
| 12 (7) | GN | 556980 |
| 12 (7) | GY | 556603 |
| 12 (7) | OE | 556601 |
| 12 (7) | PE | 556604 |
| 12 (7) | RD | 556981 |
| 12 (7) | WE | 556982 |
| 10 (Solid) | WE | 557932 |
| 10 (7) | BK | 556983 |
| 10 (7) | BE | 556987 |
| 10 (7) | GN | 556598 |
| 10 (7) | RD | 556986 |
| 10 (7) | WE | 556984 |
| 10 (7) | YW | 579338 |
| 8 (7) | WE | 556989 |
| 8 (7) | GN | 556991 |
| 8 (7) | BK | 556988 |
| 8 (7) | RD | 556990 |
| 8 (7) | BE | 556992 |
| 6 (7) | BK | 616682 |
| 6 (7) | GN | 604517 |
| 6 (7) | RD | 587595 |
| 6 (7) | WE | 604516 |
| 6 (7) | WE | 556995 |
| 6 (7) | BK | 556994 |
| 6 (7) | BE | 556998 |
| 6 (7) | YW | 643550 |
| 6 (7) | RD | 556996 |
| 6 (7) | GN | 556997 |
| 4 (7) | BE | 557003 |
| 4 (7) | WE | 557000 |
| 4 (7) | RD | 557001 |
| 4 (7) | GN | 557002 |
| 4 (7) | BK | 556999 |
| 3 (7) | GN | 137969 |
| 3 (7) | BK | 557004 |
| 3 (7) | WE | 641557 |





| Size (Strand) | Color | Stock Number |
|---------------|-------|--------------|
| 2 (7) | BK | 606619 |
| 2 (7) | WE | 557006 |
| 2 (7) | GN | 571898 |
| 2 (7) | BK | 557005 |
| 2 (7) | RD | 557007 |
| 2 (7) | BE | 556596 |
| 1 (19) | BK | 556378 |
| 1 (19) | BK | 137926 |
| 1/0 (19) | BK | 556379 |
| 1/0 (19) | WE | 557008 |
| 1/0 (19) | BE | 666074 |
| 1/0 (19) | RD | 666075 |
| 1/0 (19) | BK | 590651 |
| 1/0 (19) | WE | 669505 |
| 1/0 (19) | GN | 664805 |
| 2/0 (19) | BK | 556380 |
| 2/0 (19) | GN | 578090 |
| 2/0 (19) | RD | 668801 |
| 2/0 (19) | WE | 668800 |
| 2/0 (19) | BK | 590652 |
| 2/0 (19) | GN | 138905 |
| 2/0 (19) | BE | 668802 |
| 3/0 (19) | BK | 556382 |
| 3/0 (19) | BE | 593060 |
| 3/0 (19) | WE | 593058 |
| 3/0 (19) | RD | 593059 |
| 3/0 (19) | BK | 590653 |
| 4/0 (19) | BK | 556383 |
| 4/0 (19) | GN | 583440 |
| 4/0 (19) | WE | 557012 |
| 4/0 (19) | RD | 668805 |
| 4/0 (19) | BE | 668806 |
| 4/0 (19) | WE | 678382 |
| 4/0 (19) | BK | 590654 |
| 250 (37) | BK | 578307 |
| 250 (37) | BK | 590655 |
| 350 (37) | BK | 575227 |
| 350 (37) | WE | 590659 |
| 350 (37) | BK | 590656 |
| 350 (37) | RD | 590658 |
| 350 (37) | BE | 590657 |
| 500 (37) | BK | 577680 |
| 500 (37) | RD | 590662 |
| 500 (37) | BK | 590660 |
| 500 (37) | WE | 590663 |
| 500 (37) | BE | 590661 |
| 600 (61) | BK | 577681 |





| Size (Strand) | Color | Stock Number |
|---------------|-------|--------------|
| 600 (61) | BK | 592347 |
| 600 (61) | BE | 592350 |
| 600 (61) | RD | 592348 |
| 600 (61) | WE | 592349 |
| 750 (61) | BK | 577682 |
| 750 (61) | BK | 590664 |
| 1000 (61) | BK | 577683 |
| 1000 (61) | BK | 671492 |

