



Conductor:
8 AWG. thru 750 kcmil aluminum
(8000 series aluminum) compact class "B"
strand

Insulation:
Cross-linked Polyethylene (XLPE) Type RW90

Colour Coding:
#8 AWG thru #2 black, red, white
#1 AWG thru 750 kcmil black with printed
colours

Bonding Conductor (Ground):
One (1) bare stranded aluminum
(ACM) conductor

Armour:
Aluminum Interlocked Armour (AIA)

Jacket:
Low acid gas, flame-retardant, moisture and
sunlight resistant Polyvinyl Chloride (PVC),
black. Custom colours available upon request

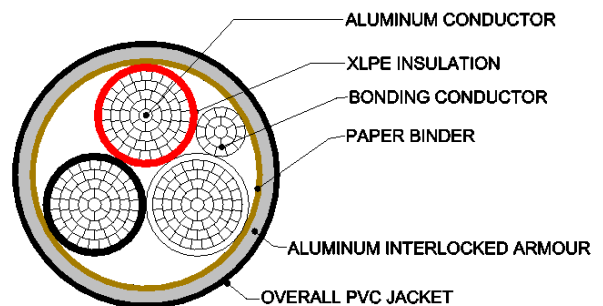
CSA Licence:
LL 109933

Print:
NORTHERN CABLES™ #/C SIZE (AWG OR
KCMIL) COMPCT ALUM ACM STRAND
ACWU90 XLPE 600V HL FT4 (-40C) SUN RES
AG14 CSA METRE MARK

Applications:
For exposed and concealed wiring in dry, damp or wet locations
For use in ventilated, non-ventilated and ladder-type cable trays in
dry, damp or wet locations
For direct earth burial (with protection as required by inspection
authority)
For wiring in hazardous locations when used with certified HL
cable glands
For service entrance installations

Features:
Rated at 90°C wet or dry
Excellent crush, oil and chemical resistance
Provides long service life
Cost effective alternative to installations in conduit
Meets cold bend and impact tests at (-40°C)

Compliances:
Industry compliances: CSA Standard C22.2 No. 51 and No.174, RoHS
Flame test compliances: CSA and FT4, Low Acid Gas
Other compliances: Hazardous Location Rating: HL



| PART NO. | NO OF COND. | COND. SIZE (AWG/kcmil) | GROUND WIRE SIZE (AWG/kcmil) | MIN. AVG. INSULATION THICKNESS | | NOMINAL DIAMETER (OVER) | | | | | | NET WEIGHT | AMPACITY AT 90° C |
|----------|-------------|------------------------|------------------------------|--------------------------------|------|-------------------------|------|--------|-------|--------|-------|------------|-------------------|
| | | | | | | TWISTED CORE | | ARMOUR | | CABLE | | | |
| | | | | INCHES | mm | INCHES | mm | INCHES | mm | INCHES | mm | KG/KM | |
| 801712 | 3 | 8 | 8 | 0.045 | 1.14 | 0.533 | 13.5 | 0.783 | 19.89 | 0.870 | 22.10 | 422 | 45 |
| 800745 | 3 | 6 | 8 | 0.045 | 1.14 | 0.565 | 14.4 | 0.845 | 21.46 | 0.932 | 23.67 | 498 | 55* |
| 800935 | 3 | 4 | 6 | 0.045 | 1.14 | 0.675 | 17.1 | 0.925 | 23.50 | 1.012 | 25.70 | 619 | 75 |
| 801713 | 3 | 3 | 6 | 0.045 | 1.14 | 0.744 | 18.9 | 0.994 | 25.25 | 1.081 | 27.46 | 690 | 85 |
| 800746 | 3 | 2 | 6 | 0.045 | 1.14 | 0.785 | 19.9 | 1.070 | 27.18 | 1.157 | 29.39 | 794 | 100 |
| 800853 | 3 | 1 | 4 | 0.055 | 1.40 | 0.902 | 22.9 | 1.152 | 29.26 | 1.239 | 31.47 | 951 | 115 |
| 800830 | 3 | 1/0 | 4 | 0.055 | 1.40 | 1.107 | 28.1 | 1.357 | 34.47 | 1.314 | 33.38 | 1085 | 135 |
| 801009 | 3 | 2/0 | 4 | 0.055 | 1.40 | 1.066 | 27.1 | 1.316 | 33.43 | 1.403 | 35.64 | 1246 | 150 |
| 801068 | 3 | 3/0 | 4 | 0.055 | 1.40 | 1.170 | 29.7 | 1.420 | 36.07 | 1.507 | 38.28 | 1450 | 175 |
| 800753 | 3 | 4/0 | 4 | 0.055 | 1.40 | 1.281 | 32.5 | 1.531 | 38.89 | 1.636 | 41.55 | 1697 | 205 |
| 800261 | 3 | 250 | 2 | 0.065 | 1.65 | 1.391 | 35.3 | 1.641 | 41.68 | 1.771 | 44.98 | 2072 | 230 |
| 801508 | 3 | 300 | 2 | 0.065 | 1.65 | 1.496 | 38.0 | 1.836 | 46.63 | 1.966 | 49.94 | 2378 | 260 |
| 801311 | 3 | 350 | 2 | 0.065 | 1.65 | 1.593 | 40.5 | 1.903 | 48.34 | 2.000 | 50.80 | 2681 | 280 |
| 801510 | 3 | 400 | 2 | 0.065 | 1.65 | 1.686 | 42.8 | 1.996 | 50.70 | 2.101 | 53.37 | 2946 | 305 |
| 801261 | 3 | 500 | 1 | 0.065 | 1.65 | 1.852 | 47.0 | 2.152 | 54.66 | 2.280 | 57.91 | 3585 | 350 |
| 801513 | 3 | 600 | 1 | 0.080 | 2.03 | 2.077 | 52.8 | 2.267 | 57.58 | 2.518 | 63.96 | 4286 | 385 |
| 801380 | 3 | 750 | 1/0 | 0.080 | 2.03 | 2.329 | 59.2 | 2.639 | 67.03 | 2.770 | 70.36 | 5058 | 435 |

DIMENSIONS AND WEIGHTS ARE NOMINAL; SUBJECT TO INDUSTRY TOLERANCES

AMPACITY IS BASED ON CEC Part 1 Table 4

* 60 AMPS AS PER NOTE IN TABLE 4



(3 conductor shown)

Conductor:
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Bonding Conductor (Ground):
One (1) bare stranded aluminum
(ACM) conductor

Armour:
Aluminum Interlocked Armour (AIA)

Jacket:
Low acid gas, flame-retardant, moisture and
sunlight resistant Polyvinyl Chloride (PVC),
black. Custom colours available upon
request

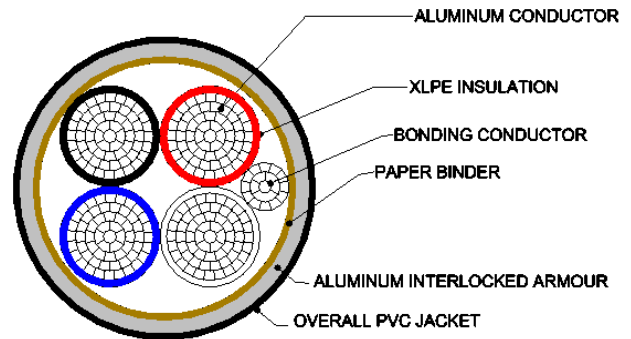
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Cost effective alternative to installations in conduit
Meets cold bend and impact tests at (-40°C)

Compliances:
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Other compliances: Hazardous Location Rating: HL



| PART NO. | NO OF COND. | COND. SIZE (AWG/kcmil) | GROUND WIRE SIZE (AWG/kcmil) | MIN. AVG. INSULATION | | NOMINAL DIAMETER (OVER) | | | | | | NET WEIGHT KG/KM | AMPACITY AT 90° C |
|----------|-------------|------------------------|------------------------------|----------------------|-------|-------------------------|------|--------|-------|--------|-------|------------------|-------------------|
| | | | | | | TWISTED CORE | | ARMOUR | | CABLE | | | |
| | | | | INCHES | mm | INCHES | mm | INCHES | mm | INCHES | mm | | |
| 801714 | 4 | 8 | 8 | 0.045 | 1.14 | 0.620 | 15.7 | 0.812 | 20.62 | 0.899 | 22.83 | 451 | 45 |
| 800985 | 4 | 6 | 8 | 0.045 | 1.14 | 0.636 | 16.2 | 0.886 | 22.50 | 0.973 | 24.71 | 569 | 55* |
| 800923 | 4 | 4 | 6 | 0.045 | 1.14 | 0.745 | 18.9 | 0.995 | 25.27 | 1.095 | 27.81 | 748 | 75 |
| 801715 | 4 | 3 | 6 | 0.045 | 1.14 | 0.805 | 20.4 | 1.055 | 26.80 | 1.148 | 29.16 | 831 | 85 |
| 800922 | 4 | 2 | 6 | 0.045 | 1.14 | 0.870 | 22.1 | 1.120 | 28.45 | 1.207 | 30.66 | 945 | 100 |
| 800256 | 4 | 1 | 4 | 0.055 | 1.40 | 1.003 | 25.5 | 1.253 | 31.83 | 1.340 | 34.04 | 1173 | 115 |
| 800976 | 4 | 1/0 | 4 | 0.055 | 1.40 | 1.096 | 27.8 | 1.346 | 34.19 | 1.443 | 36.65 | 1322 | 135 |
| 801063 | 4 | 2/0 | 4 | 0.055 | 1.40 | 1.195 | 30.4 | 1.443 | 36.65 | 1.537 | 39.04 | 1530 | 150 |
| 801064 | 4 | 3/0 | 4 | 0.055 | 1.40 | 1.311 | 33.3 | 1.561 | 39.65 | 1.666 | 42.32 | 1801 | 175 |
| 800970 | 4 | 4/0 | 4 | 0.055 | 1.40 | 1.436 | 36.5 | 1.686 | 42.82 | 1.791 | 45.49 | 2125 | 205 |
| 801296 | 4 | 250 | 2 | 0.065 | 1.65 | 1.580 | 40.1 | 1.935 | 49.15 | 2.040 | 51.82 | 2647 | 230 |
| 801509 | 4 | 300 | 2 | 0.065 | 1.65 | 1.660 | 42.2 | 2.000 | 50.80 | 2.130 | 54.10 | 3043 | 260 |
| 801238 | 4 | 350 | 2 | 0.065 | 1.65 | 1.786 | 45.4 | 2.096 | 53.24 | 2.201 | 55.91 | 3348 | 280 |
| 801511 | 4 | 400 | 2 | 0.065 | 1.65 | 1.888 | 48.0 | 2.198 | 55.83 | 2.303 | 58.50 | 3802 | 305 |
| 801239 | 4 | 500 | 1 | 0.650 | 16.51 | 2.075 | 52.7 | 2.385 | 60.58 | 2.516 | 63.91 | 4501 | 350 |
| 801514 | 4 | 600 | 1 | 0.080 | 2.03 | 2.326 | 59.1 | 2.636 | 66.95 | 2.767 | 70.28 | 5190 | 385 |
| 801516 | 4 | 750 | 1/0 | 0.080 | 2.03 | 2.602 | 66.1 | 2.912 | 73.96 | 3.003 | 76.28 | 6187 | 435 |

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AMPACITY IS BASED ON CEC Part 1 Table 4

* 60 AMPS AS PER NOTE IN TABLE 4