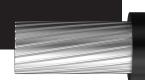


UL Type USE-2 / RHH / RHW-2, 8000 Series Aluminum Conductor, 90°C Dry or Wet, Rated 600 V



APPLICATIONS

UL Type USE-2 / RHH / RHW-2 conductors are used in conduit and direct burial (as UL Type USE-2) for services, feeders, and branch circuits in residential, commercial or industrial applications in accordance with the NEC. When used as UL Type USE-2 or RHW-2, the conductor is suitable for use in dry or wet locations at temperatures not to exceed 90 $^{\circ}$ C. When used as UL Type RHH, the conductor is suitable for use in dry locations at temperatures not to exceed 90 $^{\circ}$ C. The conductor is rated 600 V.

CONSTRUCTION

Conductor: Annealed compact stranded AA-8000 series Aluminum Conductor Material (ACM).

Insulation: Abrasion, moisture, heat, and sunlight resistant colored crosslinked polyethylene (XLPE).

CONDUCTOR IDENTIFICATION

Colored XLPE

VOLTAGE RATING: 600 V

| TEMPERATURE RATING | | | |
|---|-----------------------|--|--|
| Dry or Wet | 90°C | | |
| MINIMUM BENDING RADIUS | | | |
| Overall Diameter: Less than or Equal to | 1.000 in | | |
| Not Under Tension: | 4x outer diameter | | |
| Under Tension (During Pull): | 6x outer diameter | | |
| Overall Diameter: | Greater than 1.000 in | | |
| Not Under Tension: | 5x outer diameter | | |
| Under Tension (During Pull): | 7.5x outer diameter | | |

RATINGS AND MARKINGS

Sunlight resistant and marked RoHS Compliant

STANDARDS

These cables are manufactured and tested to meet or exceed the following standards:

- ASTM B800 8000 Series Aluminum Alloy Wire for Electrical Purposes— Annealed and Intermediate Tempers
- ASTM B801 -- Concentric-Lay-Stranded Conductors of 8000 Series Aluminum Alloy for Subsequent Covering or Insulation
- UL 44 -- Thermoset-Insulated Wires and Cables (RHH / RHW-2)
- UL 854 Service-Entrance Cables (USE-2)
- ICEA S-95-658 / NEMA WC70 Power Cables Rated 2000 Volts or Less for the Distribution of Electrical Energy
- Federal Specification AA-59544
- Federal Specification JC-30B

LISTINGS AND CERTIFICATIONS

UL listed as Type USE-2 – File E487841 UL listed as Type RHH / RHW-2 – File E48797

| Item Number | Conductor Size (AWG or kcmil) | Conductor Diameter (in) | Insulation Thickness (in) | Diameter (in) | Al Weight (lb/1000 ft) | Net Weight (lb/1000 ft) |
|----------------|-------------------------------------|-------------------------------|---------------------------------|------------------|---------------------------|----------------------------|
| A8-01URD-UL8 | 8 | 0.134 | 0.060 | 0.254 | 15.5 | 32.3 |
| A6-01URD-UL8 | 6 | 0.169 | 0.060 | 0.289 | 24.7 | 44.6 |
| A4-01URD-UL8 | 4 | 0.213 | 0.060 | 0.333 | 39.3 | 63.0 |
| A3-01URD-UL8 | 3 | 0.238 | 0.060 | 0.358 | 49.5 | 75.3 |
| A2-01URD-UL8 | 2 | 0.268 | 0.060 | 0.388 | 62.5 | 90.9 |
| A1-01URD-UL8 | 1 | 0.299 | 0.080 | 0.459 | 78.8 | 123 |
| A1/0-01URD-UL8 | 1/0 | 0.336 | 0.080 | 0.496 | 99.4 | 148 |
| A2/0-01URD-UL8 | 2/0 | 0.376 | 0.080 | 0.536 | 125 | 178 |
| A3/0-01URD-UL8 | 3/0 | 0.423 | 0.080 | 0.583 | 158 | 216 |
| A4/0-01URD-UL8 | 4/0 | 0.475 | 0.080 | 0.635 | 199 | 263 |
| A250-01URD-UL8 | 250 | 0.520 | 0.095 | 0.710 | 235 | 319 |
| A300-01URD-UL8 | 300 | 0.570 | 0.095 | 0.760 | 282 | 373 |
| A350-01URD-UL8 | 350 | 0.616 | 0.095 | 0.806 | 329 | 427 |
| A400-01URD-UL8 | 400 | 0.659 | 0.095 | 0.849 | 376 | 480 |
| A500-01URD-UL8 | 500 | 0.736 | 0.095 | 0.926 | 471 | 585 |
| A600-01URD-UL8 | 600 | 0.813 | 0.110 | 1.033 | 565 | 712 |





UL Type USE-2 / RHH / RHW-2, Aluminum Conductor, $90\,^{\circ}$ C Dry or Wet, Rated $600\,^{\circ}$ V

| Item Number | Conductor Size (AWG or kcmil) | Conductor Diameter (in) | Insulation Thickness (in) | Diameter (in) | Al Weight (lb / 1000 ft) | Net Weight (lb / 1000 ft) |
|-----------------|-------------------------------------|-------------------------------|---------------------------------|------------------|-----------------------------|------------------------------|
| A700-01URD-UL8 | 700 | 0.877 | 0.110 | 1.097 | 659 | 816 |
| A750-01URD-UL8 | 750 | 0.908 | 0.110 | 1.128 | 706 | 868 |
| A900-01URD-UL8 | 900 | 0.999 | 0.110 | 1.219 | 847 | 1023 |
| A1000-01URD-UL8 | 1000 | 1.060 | 0.110 | 1.280 | 941 | 1127 |

NOTES

- 1) Dimensions and weights are subject to standard manufacturing tolerances and are subject to change without notice.
- 2) Click to learn about ampacities.

