



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°C. When used as UL Type RHH, the conductor is suitable for use in dry locations at temperatures not to exceed 90°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



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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.