



URD Triplex UL Type USE-2 / RHH / RHW-2, 8000 Series Aluminum Conductors, 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).

Assembly: Cabled assembly of 2 phase conductors and 1 neutral conductor.

CONDUCTOR IDENTIFICATION

Phase Conductors: Black with phase identification ("Phase A", "Phase B")

Neutral Conductor: Black with three yellow stripes

VOLTAGE RATING: 600 V

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 E487972

TEMPERATURE RATING

Dry or Wet	90°C
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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

Code Word	Phase			Neutral			Overall Diameter (in)	Weight	
	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)	Conductor Size (AWG or kcmil)	Insulation Thickness (in)	Diameter (in)		Al (lb/1000 ft)	Net (lb/1000 ft)
Erskine	6	0.060	0.289	6	0.060	0.289	0.623	75.3	136
Vassar	4	0.060	0.333	4	0.060	0.333	0.718	120	192
Stephens	2	0.060	0.388	4	0.060	0.333	0.836	167	249
Ramapo	2	0.060	0.388	2	0.060	0.388	0.836	191	278
Brenau	1/0	0.080	0.496	2	0.060	0.388	1.069	266	393
Bergen	1/0	0.080	0.496	1/0	0.080	0.496	1.069	303	450
Converse	2/0	0.080	0.536	1	0.080	0.459	1.155	335	487
Hunter	2/0	0.080	0.536	2/0	0.080	0.536	1.155	383	544
Hollins	3/0	0.080	0.583	1/0	0.080	0.496	1.256	421	589
Rockland	3/0	0.080	0.583	3/0	0.080	0.583	1.256	480	659
Sweetbriar	4/0	0.080	0.635	2/0	0.080	0.536	1.368	533	718
Monmouth	4/0	0.080	0.635	4/0	0.080	0.635	1.368	609	805



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Pratt	250	0.095	0.710	3/0	0.080	0.583	1.530	640	871
Wesleyan	350	0.095	0.806	4/0	0.080	0.635	1.737	874	1139
Holyoke	500	0.095	0.926	300	0.095	0.760	1.995	1243	1569
Rider	500	0.095	0.926	350	0.095	0.806	1.995	1292	1625
Fairfield	750	0.110	1.128	500	0.095	0.926	2.431	1915	2361