

# RHH/RHW-2 Aluminum

EPR Insulated, CPE Jacketed, 600 V, 2000 V

**CME**<sup>®</sup>  
wire and cable

A Viakable Company

## Features

UL Listed as Types RHW / RHW-2.

All sizes are rated VW-1.

Also Listed RW90/R90 per CSA, rated -40 °C and FT4.

Jacket is rated Oil Resistance I or II per UL 44.

Rated Sun Resistance.

Sizes 1/0 and larger are UL Listed and marked CT USE in accordance with NEC meeting UL 1685 vertical-tray flame exposure at 70,000 Btu/hr.

Meets vertical flame tests:

- 70,000 Btu
  - IEEE 383
  - ICEA T-30-520
  - FT4/IEEE 1202
- 210,000 Btu
  - ICEA T29-520
  - P-07-KA040015-MSHA

## Application

For power, lighting, signal and control circuits installed in wet or dry locations.

May be installed in conduit, duct, tray, and open air, and aerial installations.

Suitable for use in industrial areas and utility systems where flame resistance is essential.

## Standards

UL 44

Thermoset-Insulated Wire and Cable.

ICEA S-95-658/  
NEMA WC70

Nonshielded 0 – 2 kV Cables.

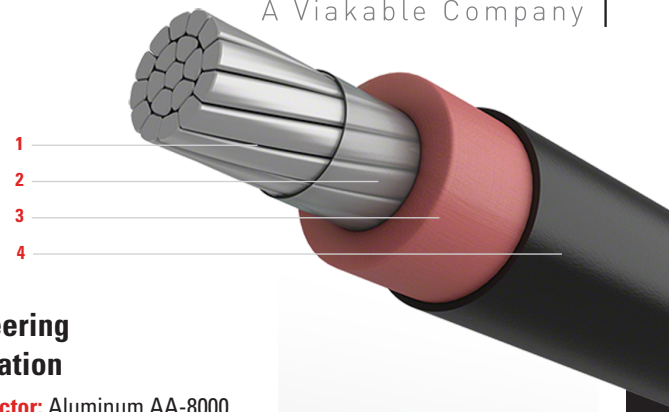
## Specifications

Maximum operating voltage:

- 600 V or 2000 V

Maximum conductor operation temperatures:

- 90 °C wet and dry



## Engineering Information

**1. Conductor:** Aluminum AA-8000 alloy compacted conductor, Class B stranding, per ASTM B801.

**Sizes:** 6 AWG – 1000 kcmil.

*On request, larger sizes available.*

**2. Separator:** A suitable opaque tape, as required.

**3. Insulation:** Flame retardant thermoset ethylene propylene rubber (EPR) compound.

**4. Jacket:** Black flame retardant thermoset chlorinated polyethylene (CPE) compound.

*On request, colors available.*

### Multiconductor Arrangement

**Phase ID Options:** Ink printed (A, B, and C or 1, 2, and 3) or extruded ridges (Phase 1: no ridges, Phase 2: 2 ridges, and Phase 3: 3 ridges).

Technical Data

## RHH/RHW-2 600 V

Size AWG or kcmil	Number of Strands	Insulation		Approximate Outside Diameter	Approximate Net Weight
		Inner Layer Thickness	Outer Layer Thickness		
		mil	mil		
6	7	45	30	0.33	62
4	7	45	30	0.37	84
2	7	45	30	0.43	115
1	19	55	45	0.52	163
1/0	19	55	45	0.55	191
2/0	19	55	45	0.59	226
3/0	19	55	45	0.64	268
4/0	19	55	45	0.69	321
250	37	65	65	0.80	414
300	37	65	65	0.85	474
350	37	65	65	0.90	534
400	37	65	65	0.94	593
500	37	65	65	1.02	709
600	61	80	65	1.13	856
750	61	80	65	1.22	1028
1000	61	80	65	1.37	1311

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.  
**Ampacities:** Refer to beginning of section.

## RHH/RHW-2 2000 V

Size AWG or kcmil	Number of Strands	Insulation		Approximate Outside Diameter	Approximate Net Weight
		Inner Layer Thickness	Outer Layer Thickness		
		mil	mil		
6	7	55	30	0.35	71
4	7	55	30	0.39	91
2	7	55	30	0.45	124
1	19	65	45	0.54	174
1/0	19	65	45	0.57	202
2/0	19	65	45	0.61	238
3/0	19	65	45	0.66	281
4/0	19	65	45	0.71	335
250	37	75	65	0.82	429
300	37	75	65	0.87	491
350	37	75	65	0.92	552
400	37	75	65	0.96	612
500	37	75	65	1.04	729
600	61	90	65	1.15	878
750	61	90	65	1.24	1052
1000	61	90	65	1.39	1338

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.  
**Ampacities:** Refer to beginning of section.