

RHH/RHW-2 Copper

EPR Insulated, CPE Jacketed, 600 V or 2000 V

CME[®]
wire and cable

A Viakable Company

Features

UL Listed as Types RHH/RHW-2.

All sizes are rated VW-1.

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.

Also Listed RW90/R90 per CSA, rated -40°C and FT4. (FT4: Only conductors 1/0 AWG and larger.)

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/CSA C22.2 No. 38

Thermoset-Insulated Wire and Cable.

ICEA S-95-658/NEMA WC70

Nonshielded 0 – 2kV Cables.

Specifications

Maximum operating voltage:

- 600 volts or 2000 volts

Maximum conductor operation temperatures:

- 90 °C wet and dry



Engineering Information

1. Conductor: Soft annealed uncoated copper compressed Class B stranding, or unilay-compressed per ASTM B8.

Optional: Tinned copper.

Sizes: 14 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 Thickness		Approximate Outside Diameter	Approximate Net Weight
		Inner Layer	Outer Layer		
		mil	mil		
14	7	30	15	0.17	24
12	7	30	15	0.18	33
10	7	30	15	0.21	47
8	7	45	15	0.27	77
6	7	45	30	0.34	122
4	7	45	30	0.38	178
2	7	45	30	0.44	265
1	19	55	45	0.54	347
1/0	19	55	45	0.58	423
2/0	19	55	45	0.62	517
3/0	19	55	45	0.67	634
4/0	19	55	45	0.73	781
250	37	65	65	0.84	959
300	37	65	65	0.89	1127
350	37	65	65	0.94	1295
400	37	65	65	0.99	1456
500	37	65	65	1.07	1792
600	61	80	65	1.18	2156
750	61	80	65	1.28	2649
1000	61	80	65	1.43	3465

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 Thickness		Approximate Outside Diameter	Approximate Net Weight
		Inner Layer	Outer Layer		
		mil	mil		
14	7	45	15	0.20	29
12	7	45	15	0.22	39
10	7	45	15	0.24	54
8	7	55	30	0.32	92
6	7	55	30	0.36	129
4	7	55	30	0.41	186
2	7	55	30	0.46	274
1	19	65	45	0.56	358
1/0	19	65	45	0.60	434
2/0	19	65	45	0.64	529
3/0	19	65	45	0.69	648
4/0	19	65	45	0.75	795
250	37	75	65	0.86	975
300	37	75	65	0.91	1144
350	37	75	65	0.96	1314
400	37	75	65	1.01	1475
500	37	75	65	1.09	1813
600	61	90	65	1.20	2179
750	61	90	65	1.30	2674
1000	61	90	65	1.45	3493

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.

Ampacities: Refer to beginning of section.