AL- RHH-RHW-USE-2

Direct Burial Aluminum Conductor-600V

SPECIFICATIONS AND STANDARDS

RHH or RHW-2 or USE-2 conductors meet or exceed as follow:

- UL Standard 44 (for RHH or RHW-2),
- UL Standard 854 (for USE-2),
- Federal Specification A-A-59544, and requirements of the JC-30B NEC.

CONSTRUCTION

RHH or RHW-2 or USE-2 aluminum conductors are AA-8000 series aluminum alloy, compact stranded. Insulation is an abrasion, moisture, heat, and sunlight resistant black cross-linked polyethylene (XLPE).

APPLICATIONS

RHH RHW-2 USE-2 Direct Burial Aluminum Conductor 600 Volts is a service entrance cable that can carry up to 600 volts. Service entrance cables distribute power from the service drop to an individual residence or building. The USE-2 RHH RHW-2 Direct Burial Aluminum Conductor 600 Volts is designed for underground use in direct burial in the earth, or within an electrical raceway, typically conduit. Conduit is a tube or trough that contains the electrical conductors, protecting them from corrosion, sunlight, and other interferences. Conduit comes in a variety of materials, shapes, and sizes. The best type of conduit will vary depending on the task at hand and the weather and climate conditions of the region where it is to be installed.

RHH-RHW-USE-2 Aluminum conductor manufactured to UL44/854

Conductor		Insulation Thickness (mils)	Nominal O.D.(in)	Allowable Ampacity			Approx.Net Weight Per 1000(lbs)
Size(AWG or Kcmil)	No. Strands			60 °C	75 °C	90 °C	
8	7	60	.266	30	40	45	37
6	7	60	.290	40	50	60	49
4	7	60	.334	55	65	75	65
2	7	60	.390	75	90	100	94
1	19	80	.460	85	100	115	125
1/0	19	80	.500	100	120	135	150
2/0	19	80	.540	115	135	150	181
3/0	19	80	.590	130	155	175	220
4/0	19	80	.635	150	180	205	268
250	37	95	.710	170	205	230	320

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300	37	95	.760	190	230	255	374
350	37	95	.810	210	250	280	428
400	37	95	.850	225	270	305	482
500	37	95	.930	260	310	350	591
600	61	110	1.035	300	320	385	715
700	61	110	1.100	310	375	420	821
750	61	110	1.130	320	385	435	873
1000	61	110	1.280	375	445	500	1132

*Allowable Ampacities: Allowable ampacities shown are for general use as specified by the NEC, 2005 Edition, section 310.15. 60°C

- When terminated to equipment for circuits rated 100 amperes or less or marked for 14 through 1 AWG conductors. 75°C
- When terminated to equipment for circuits rated over 100 amperes or marked conductors larger than 1 AWG. 90°C
- RHH dry locations. RHW-2 and USE-2 wet or dry locations.

For ampacity derating purposes. All conductors are compact stranded construction complying with UL standard 44.

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