

USE-2 / RHH / RHW-2 DIRECT BURIAL ALUMINUM CONDUCTOR 600V, 90°C WET OR DRY

APPLICATIONS

Type USE-RHH-RHW-2 building wire and service cable is recognized for use as general purpose wiring at a maximum conductor temperature of 90°C in wet or dry locations for installation in air, conduit or other recognized raceways and for direct burial in circuits not exceeding 600 volts.

CONSTRUCTION

Compact stranded 8000 Series aluminum alloy conductor, black abrasion, heat, moisture and sunlight resistant cross-linked polyethylene insulation.

INSULATION

The insulation is a low coefficient of friction, abrasion, moisture, and heat resistant thermoset cross-linked polyethylene.

Stocking most sizes in Black, Red, Blue, White, Green, Brown, Orange, Yellow, and Gray.

STANDARDS

UL Standards 44 (RHW or RHH)

UL Standard 854 (USE-2)

Federal specification JC-30B NEC ASTM B800, B801, B836 as applicable.

AMPACITY

To determine correct ampacity by conductor size, please consult the National Electric Code, the latest edition.



Size AWG or MCM	Stranding	Insulation Thickness (mils)	Outside Diameter	Weight (lb/1000 ft)	Ampacity 90 °C
8	7/W	60 mils	.266 Inches	37 Lbs	45 Amps
6	7/W	60 mils	.290 Inches	49 Lbs	60 Amps
4	7/W	60 mils	.334 Inches	65 Lbs	75 Amps
2	7/W	60 mils	.390 Inches	94 Lbs	100 Amps
1	18/w	80 mils	.460 Inches	125 Lbs	115 Amps
1/0	18/w	80 mils	.500 Inches	150 Lbs	135 Amps
2/0	18/w	80 mils	.540 Inches	181 Lbs	150 Amps
3/0	18/w	80 mils	.590 Inches	220 Lbs	175 Amps
4/0	18/w	80 mils	.635 Inches	268 Lbs	205 Amps
250	35/w	95 mils	.710 Inches	320 Lbs	230 Amps
300	35/w	95 mils	.760 Inches	374 Lbs	255 Amps
350	35/w	95 mils	.810 Inches	428 Lbs	280 Amps
400	35/w	95 mils	.850 Inches	482 Lbs	305 Amps
500	35/w	95 mils	.930 Inches	591 Lbs	350 Amps
600	58/w	110 mils	1.035 Inches	715 Lbs	385 Amps
700	58/w	110 mils	1.100 Inches	821 Lbs	375 Amps
750	58/w	110 mils	1.130 Inches	873 Lbs	375 Amps
1000	58/w	110 mils	1.280 Inches	1132 Lbs	500 Amps