



● Application

Aluminum Alloy RHH, RHW, RHW-2, and USE-2 Building Wires are suitable for a wide range of indoor and outdoor applications in residential, commercial, and industrial buildings. They can be used for power distribution, lighting circuits, control circuits, and various electrical equipment connections.

1)RHH wires are often used in areas where high heat resistance is required, such as in industrial environments or around equipment that generates significant heat. The conductor temperatures are not exceeding 90°C.

2)RHW and RHW-2 wires are suitable for general-purpose wiring in wet or dry locations. The conductor temperatures for RHW are not exceeding 75°C and for RHW-2 are not exceeding 90°C.

3)USE-2 wires are typically used for underground service entrance and direct burial applications. The conductor temperatures are not exceeding 90°C.

● Performance

Electrical Performance: Rated for 600V, ensuring reliable power distribution in various electrical systems.

Chemical Performance: High heat, moisture, and sunlight resistant.

● Construction

Conductor: AA-8000 series aluminum alloy, compact stranded..

Insulation: Heat resistant cross-linked polyethylene.

Color: Black, Green, White, Red. Consult factory for other colors

● Specification

-ASTM B800 and either B801 or B836 (SIW)

-UL Standard 44 for RHH or RHW-2

-UL Standard 854 for USE-2

● Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

● Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TUV Rheinland and CCS.



● National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

| Size | No. of Wires | Nom. Overall Dia. | Insulation Thickness | Nominal Total Weight | Allowable Ampacity at 60C | Allowable Ampacity at 75C | Allowable Ampacity at 90C |
|-----------|--------------|-------------------|----------------------|----------------------|---------------------------|---------------------------|---------------------------|
| AWG/KCMIL | - | mils | mils | lbs/1000' | - | - | - |
| 6 AWG | 7 | 295 | 60 | 46 | 40 | 50 | 60 |
| 4 AWG | 7 | 339 | 60 | 66 | 55 | 65 | 75 |
| 2 AWG | 6 | 394 | 60 | 93 | 75 | 90 | 100 |
| 1 AWG | 8 | 467 | 80 | 126 | 85 | 100 | 115 |
| 1/0 AWG | 10 | 504 | 80 | 151 | 100 | 120 | 135 |
| 2/0 AWG | 12 | 544 | 80 | 182 | 115 | 135 | 150 |
| 3/0 AWG | 15 | 591 | 80 | 221 | 130 | 155 | 175 |
| 4/0 AWG | 19 | 643 | 80 | 269 | 150 | 180 | 205 |
| 250 KCMIL | 22 | 720 | 95 | 327 | 170 | 205 | 230 |
| 300 KCMIL | 35 | 770 | 95 | 381 | 190 | 230 | 255 |
| 350 KCMIL | 35 | 816 | 95 | 436 | 210 | 250 | 280 |
| 400 KCMIL | 35 | 859 | 95 | 490 | 225 | 270 | 305 |
| 500 KCMIL | 34 | 938 | 95 | 601 | 260 | 310 | 350 |
| 750 KCMIL | 61 | 1140 | 110 | 884 | 320 | 385 | 435 |