



• Application

Copper 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: Annealed stranded bare copper.

Insulation: Heat resistant cross-linked polyethylene.

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

• Specification

-ASTM - B3, B8 (7, 19, 37, 61 Strands), B787 (19 Wire Combination Unilay Strand)

-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, TÜV 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 60°C	Allowable Ampacity at 75°C	Allowable Ampacity at 90°C
AWG or kcmil	-	mils	mils	lbs/1000 FT	-	-	-
12 AWG	1	174	45	28	20	20	20
12 AWG	7	183	45	29	20	20	20
10 AWG	7	207	45	43	30	30	30
8 AWG	7	265	60	69	40	50	55
6 AWG	7	304	60	103	55	65	75
4 AWG	7	351	60	155	70	85	95
3 AWG	7	378	60	191	85	100	115
2 AWG	7	403	60	236	95	115	130
1 AWG	19	489	80	308	110	130	145
1/0 AWG	19	528	80	380	125	150	170
2/0 AWG	19	572	80	471	145	175	195
3/0 AWG	19	622	80	584	165	200	225
4/0 AWG	19	678	80	728	195	230	260
250 kcmil	37	742	95	865	215	255	290
300 kcmil	37	794	95	1027	240	285	320
350 kcmil	37	861	95	1191	260	310	350
400 kcmil	37	885	95	1349	280	335	380
500 kcmil	37	966	95	1670	320	380	430
600 kcmil	61	1072	110	2012	350	420	475
750 kcmil	61	1171	110	2492	400	475	535
1000 kcmil	61	1349	110	3295	455	545	615