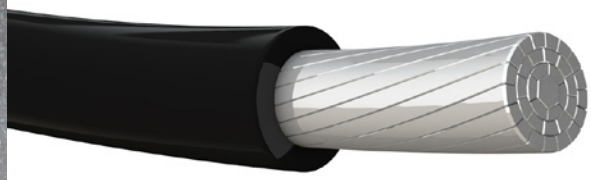
KINGWIRE

(847) 688-1100



USE-2/RHH/RHW-2

APPLICATION: Type USE-2 or 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.

PRODUCT FEATURES: Compact stranded 8000 Series aluminum alloy conductor. Insulation is an abrasion, moisture, heat and sunlight resistant black cross-linked polyethylene (XLPE).

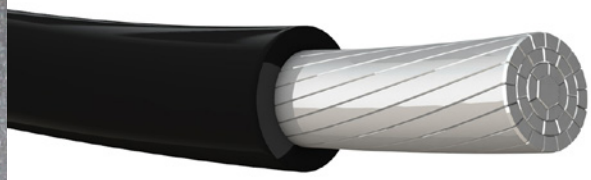
STANDARDS:

UL 44 (RHH/RHW-2)
UL 854 (USE-2)
ASTM B800, B801
Federal Specification A-A59544 (formerly J-C-30B)
Compliant to RoHS (Directive 2011/65/EU)

KINGWIRE USE-2 or RHH/RHW-2 *Physical Characteristics*

Conductor Size	Stranding	Conductor Nominal Diameter	Insulation Thickness	Nominal Outside Diameter	AL Weight	Nominal Cable Weight	Maximum Pulling Tension	Minimum Bending Radius*
AWG/Kcmil	Min. No.	inch	mils	inch	lb/1000ft	lb/1000ft	lb	inch
6	7	0.169	60	0.292	25	46	157	1.2
4	7	0.213	60	0.336	39	64	250	1.3
2	7	0.268	60	0.391	63	93	398	1.6
1	18	0.299	80	0.462	79	125	502	1.8
1/0	18	0.336	80	0.499	99	149	634	2.0
2/0	18	0.376	80	0.539	125	180	799	2.2
3/0	18	0.423	80	0.586	158	218	1007	2.3
4/0	18	0.475	80	0.638	199	266	1270	2.6
250	35	0.520	95	0.715	235	324	1500	2.9
350	35	0.616	95	0.811	329	431	2100	3.2
500	35	0.736	95	0.931	471	591	3000	3.7
600	58	0.813	110	1.038	565	718	3600	5.2
750	58	0.908	110	1.133	706	875	4500	5.7
1000	58	1.060	110	1.285	941	1135	6000	6.4

- Data are approximate and subject to normal manufacturing tolerances.
- Standard stock lengths are subject to normal manufacturing tolerance of +/- 10%
- Two, Three or Four conductors can be paralleled on a reel.
- *Minimum bending radius shown applies to permanent installation. Larger radius should be used during cable pulling.
- 90°C-RHH dry locations, RHW-2 wet or dry locations.



USE-2/RHH/RHW-2

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STANDARDS:

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KINGWIRE XHHW-2 *Electrical Characteristics*					
Conductor Size	DC Resistance @ 25°C	AC Resistance @ 75°C	Inductive Reactance+	Ampacity* @ 75°C	Ampacity* @ 90°C
AWG/Kcmil	Ω/1000ft	Ω/1000ft	Ω/1000ft	amps	amps
6	0.674	0.82	0.051	50	55
4	0.424	0.51	0.048	65	75
2	0.267	0.32	0.045	90	100
1	0.211	0.26	0.046	100	115
1/0	0.168	0.20	0.044	120	135
2/0	0.133	0.16	0.043	135	150
3/0	0.105	0.13	0.042	155	175
4/0	0.084	0.10	0.041	180	205
250	0.071	0.086	0.041	205	230
350	0.051	0.062	0.040	250	280
500	0.035	0.044	0.039	310	350
600	0.029	0.036	0.039	340	385
750	0.024	0.031	0.038	385	435
1000	0.018	0.025	0.037	445	500

*Ampacities are based on NEC 2023 Table 310.16, Ampacities of Insulated Conductors in Raceway, Cable, or Earth (Directly Buried). Not more than 3 current-carrying conductors. Ambient temperature of 30°C

+Inductive reactance based on NEC 2023 Table 9, 600-Volt Cables, 3-Phase, 60 Hz, 75°C, 3-1/C in non-ferrous conduit.