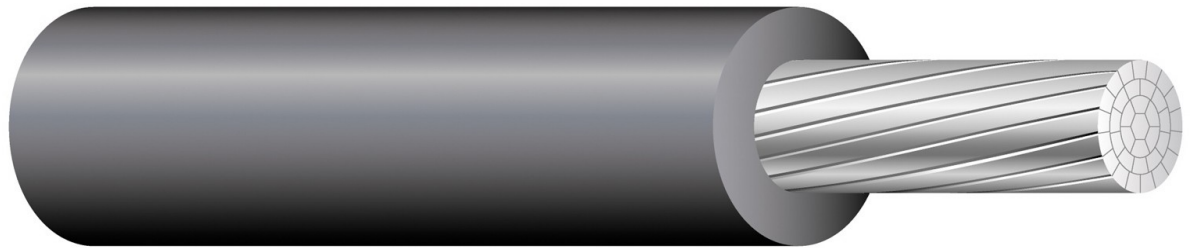


RHH or RHW or USE

Underground Service Entrance Cable. 600 Volt.
AlumaFlex™ Aluminum Alloy (AA-8176) Conductor.
Cross-linked Polyethylene(XLP) Insulation.
High-Heat, Moisture, and Sunlight Resistant.



APPLICATIONS

Southwire Type RHH or RHW-2 or USE-2 conductors are used with conduit as specified in the 2008 National Electrical Code. May also be used as underground service entrance cable, for direct burial, at conductor temperatures not to exceed 90°C. When used as RHH, conductor temperatures shall not exceed 90°C in dry locations. When used as RHW-2 or USE-2, conductor temperatures shall not exceed 90°C in wet or dry locations. Voltage rating for RHW-2 or RHH or USE-2 conductors is 600 volts.

SPECIFICATIONS

Southwire Type RHH or RHW-2 or USE-2 conductors meet or exceed UL Standard 44 (for RHH or RHW-2), UL Standard 854 (for USE-2), Federal Specification A-A-59544, and requirements of the National Electrical Code.

CONSTRUCTION

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



Southwire
One Southwire Drive
Carrollton, Ga. 30119 USA

greenSpec™
RoHS Compliant



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AL-RHH/RHW/USE

Conductor		Insulation Thickness (mils)	Nominal O.D. (mils)	Allowable Ampacities+			Approx. Net Weight Per 1000' (lbs)	Standard Package
Size (AWG or kcmil)	No.* Strands			60°C	75°C	90°C		
6	7	60	292	40	50	60	49	B
4	7	60	336	55	65	75	65	B
2	7	60	391	75	90	100	94	B
1	18	80	462	85	100	115	126	B
1/0	18	80	499	100	120	135	151	B
2/0	18	80	539	115	135	150	182	B
3/0	18	80	586	130	155	175	221	B
4/0	18	80	638	150	180	205	269	B
250	22	95	713	170	205	230	326	B
300	35	95	763	190	230	255	381	B
350	35	95	809	210	250	280	435	B
400	35	95	852	225	270	305	488	B
500	35	95	929	260	310	350	595	B
700	58	110	1100	310	375	420	829	C
750	58	110	1131	320	385	435	881	C
1000	58	110	1283	375	445	500	1145	C

+Allowable Ampacities:

Allowable ampacities shown are for general use as specified by the National Electrical Code, 2008 Edition, section 310.15.

For NEC Applications, use NEC Table 310.16 Ampacities.

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.

*For compact-stranded construction, the number of wires, as permitted by UL Standard 44 and ASTM B-801, may be reduced as follows:

19-Wire Constructions - 18 Wires Minimum

37-Wire Constructions - 35 Wires Minimum

61-Wire Constructions - 58 Wires Minimum

RECOMMENDED SAMPLE SPECIFICATIONS:

Conductors shall be UL-listed Type RHH or RHW-2 or USE-2, suitable for operation at 600 volts or less in wet or dry locations, including direct burial in the earth. Conductors shall be AlumaFlex™ aluminum alloy, XLP insulated, as manufactured by Southwire Company or approved equal.



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