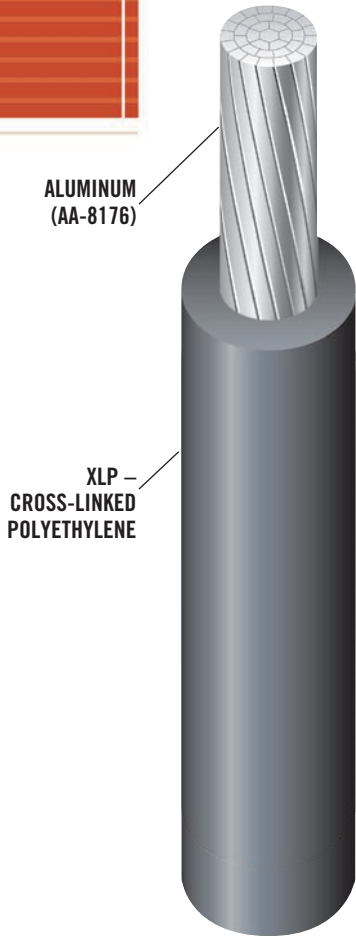


AL RHH/RHW/USE



**Underground Service
Entrance Cable**

600 Volt

**AlumaFlex™
Aluminum Alloy
(AA-8176) Conductor**

**Cross-linked
Polyethylene
(XLP) Insulation**

**High-Heat,
Moisture, and
Sunlight Resistant**

APPLICATIONS Suitable for use as follows:

- Southwire Type RHH or RHW-2 or USE-2 conductors are used with conduit as specified in the NEC¹
- 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 RHH or RHW-2 or USE-2 conductors is 600 volts

STANDARDS & REFERENCES

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 NEC.

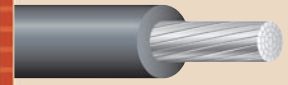
CONSTRUCTION

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).

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.

¹ 2005 Edition.



ALUMINUM CONDUCTORS

AL RHH/RHW/USE

WEIGHTS, MEASUREMENTS AND PACKAGING

CONDUCTOR SIZE (AWG or kcmil)	INSULATION THICKNESS (mils)	NOMINAL O.D. (mils)	ALLOWABLE AMPACITIES*			APPROX. NET WEIGHT PER 1000 FT. (lbs)	STANDARD PACKAGE
			60°C	75°C	90°C		
8	60	257	30	40	45	36	B
6	60	292	40	50	60	49	B
4	60	336	55	65	75	65	B
2	60	391	75	90	100	94	B
1	80	462	85	100	115	126	B
1/0	80	499	100	120	135	151	B
2/0	80	539	115	135	150	182	B
3/0	80	586	130	155	175	221	B
4/0	80	638	150	180	205	269	B
250	95	713	170	205	230	326	B
300	95	763	190	230	255	381	B
350	95	809	210	250	280	435	B
400	95	852	225	270	305	488	B
500	95	929	260	310	350	595	B
700	110	1100	310	375	420	829	C
750	110	1131	320	385	435	881	C
1000	110	1283	375	445	500	1145	C

*Allowable Ampacities:

Allowable ampacities shown are for general use as specified by the NEC, 2005 Edition, section 310.15.

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.

All conductors are compact stranded construction complying with UL standard 44.