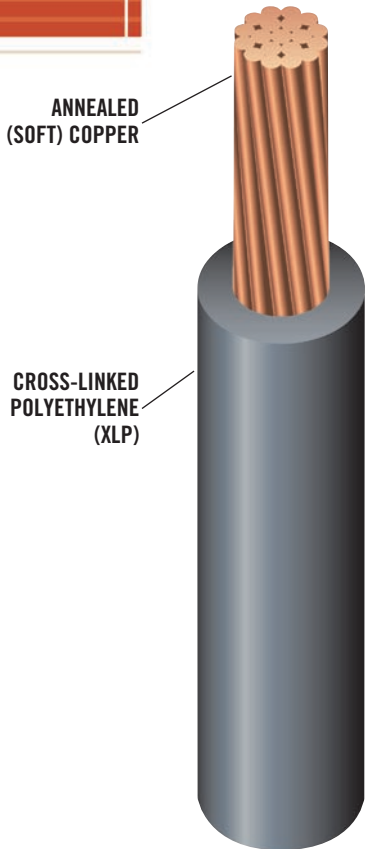


RHH/RHW/USE



**Underground Service
Entrance Cable**

600 Volt

Copper Conductors

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

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

**Sizes 6 Through
4/0 AWG Also
Rated SIS**

APPLICATIONS Suitable for use as follows:

- Southwire Type RHH or RHW-2 or USE-2 conductors are used with conduit as specified in the National Electrical Code¹
- When used as Type USE-2, conductor is suitable for use 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 meets or exceeds 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.

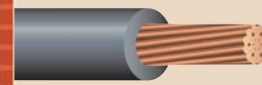
CONSTRUCTION

- Southwire Type RHH or RHW-2 or USE-2 copper conductors are annealed (soft) copper.
- 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 annealed copper, cross-linked polyethylene (XLP) insulated, as manufactured by Southwire Company or approved equal.

¹ 2005 Edition



COPPER CONDUCTORS

RHH/RHW/USE

WEIGHTS, MEASUREMENTS AND PACKAGING

CONDUCTOR		INSULATION THICKNESS (mils)	NOMINAL O.D. (mils)	ALLOWABLE AMPACITIES†			APPROX. NET WEIGHT PER 1000 FT. (lbs)	STANDARD PACKAGE
SIZE (AWG or kcmil)	NUMBER OF STRANDS			60°C	75°C	90°C		
14	7	45	160	15	15	15	21	A
12	7	45	177	20	20	20	30	A
10	7	45	201	30	30	30	44	A
8	7	60	262	40	50	55	72	B
6	7	60	297	55	65	75	106	B
4	7	60	344	70	85	95	156	B
2	7	60	400	95	115	130	238	B
1	19	80	484	110	130	150	309	B
1/0	19	80	523	125	150	170	381	B
2/0	19	80	567	145	175	195	472	B
3/0	19	80	617	165	200	225	586	B
4/0	19	80	673	195	230	260	729	B
250	37	95	751	215	255	290	867	B
300	37	95	804	240	285	320	1029	B
350	37	95	854	260	310	350	1191	B
400	37	95	899	280	335	380	1352	B
500	37	95	983	320	380	430	1674	B
600	61	110	1089	355	420	475	2012	C
700	61	110	1158	385	460	520	2332	C
750	61	110	1191	400	475	535	2492	C
800	61	110	1223	410	490	555	2652	C
900	61	110	1283	435	520	585	2970	C
1000	61	110	1340	455	545	615	3288	C

†Allowable Ampacities:
 Allowable ampacities shown are for general use as specified by the National Electrical Code, 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 for conductors larger than 1 AWG.
 90°C - RHH dry locations. RHW-2 and USE-2 wet or dry locations. For ampacity derating purposes.

STANDARD PACKAGE CODES

A – 2500 ft. reel
 B – 1000 ft. reel
 C – 500 ft. reel