RHH or RHW or 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

Southwire Type RHH or RHW-2 or USE-2 conductors are used with conduit as specified in the 2008 National Electrical Code. 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.

SPECIFICATIONS

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), ASTM B3 Soft or Annealed Copper Wire, ASTM B8 Concentric Lay Stranded Copper Conductors or ASTM 787 19 Wire Combination Unilay-Stranded Copper Conductors, Federal Specification A-A-59544, and requirements of the National Electrical Code. Sunlight Resistant. Colors available.

Southwire Type RHH or RHW-2 or USE-2 meets and exceeds all construction requirements of ICEA S-95- 658 (NEMA WC 70) - Nonshielded 0 - 2 kV Cables, with testing frequencies based on UL requirements.

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).

ALTERNATE CONSTRUCTION

Southwire Type RHH or RHW-2 or USE-2 conductors are CT Rated in sizes 1/0 AWG through 1000 kcmil.

Southwire
One Southwire Drive
Carrollton, Ga. 30119 USA

MADE IN ★ THE USA

greenSpec™
RoHS Compliant

CU-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		
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, 2008 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 CODE:
A - 2500' Reel
B - 1000' Reel
C - 500' Reel

RECOMMENDED SAMPLE SPECIFICATIONS:

Conductors shall be UL-listed Tpe 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.

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