

# COPPER BUILDING WIRE

## RHH/RHW-2/USE-2

**Underground Service Entrance Cable. 600 Volt. Copper Conductors.  
Cross-Linked Polyethylene (XLP) Insulation.  
High-Heat, Moisture, and Sunlight Resistant.**



### APPLICATIONS

Type RHH or RHW-2 or USE-2 conductors are used with conduit as specified in the National Electrical Code<sup>1</sup>. 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 or RHW-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

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 J-C-30B, and requirements of the National Electrical Code.

### CONSTRUCTION

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).

PWC Catalog #	Conductor		Insulation Thickness (MILS)	Nominal O.D.	Approx. Net Weight Per 1000' (Lbs.)	Allowable Ampacities <sup>+</sup>		
	Size (AWG or KCMIL)	Number of Strands				60°C	75°C	90°C
06-0103	14*	7	45	.161	22	15	15	15
06-0105	12	7	45	.179	31	20	20	20
06-0107	10	7	45	.202	44	30	30	30
06-0109	8	7	60	.264	73	40	50	55
06-0111	6	7	60	.301	107	55	65	75
06-0113	4	7	60	.348	157	70	85	95
06-0115	2	7	60	.406	240	95	115	130
06-0117	1	19	80	.484	309	110	130	150
06-0119	1/0	19	80	.523	381	125	150	170
06-0121	2/0	19	80	.567	472	145	175	195
06-0123	3/0	19	80	.617	586	165	200	225
06-0125	4/0	19	80	.673	729	195	230	260
06-0127	250	37	95	.751	867	215	255	290
06-0129	300	37	95	.804	1029	240	285	320
06-0131	350	37	95	.853	1191	260	310	350
06-0133	400	37	95	.899	1352	280	335	380
06-0135	500	37	95	.982	1674	320	380	430
06-0137	600	61	110	1.089	2012	355	420	475
06-0139	700	61	110	1.158	2332	385	460	520
06-0141	750	61	110	1.191	2492	400	475	535
06-0143	800	61	110	1.223	2652	410	490	555
06-0145	900	61	110	1.283	2970	435	520	585
06-0147	1000	61	110	1.341	3289	455	545	615

<sup>1</sup> 1999 Edition.

<sup>+</sup> Allowable Ampacities:

Allowable ampacities shown are for general use as specified by the National Electrical Code, 1999 Edition, section 310-15.

60°C - When terminated to equipment for circuits rated 100 amperes or less or marked for #14 through #1 conductors.

75°C - When terminated to equipment for circuits rated over 100 amperes or marked for conductors larger than #1.

90°C - RHH dry locations. RHW-2 and USE-2 wet or dry locations.

\* Available as RHH or RHW-2 only.

> Information on this sheet is subject to change without notice. All diameters are nominal values.

All diameters and weights are subject to normal manufacturing tolerances.

### 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.