

# XHHW

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600 Volt. Copper Conductor. Cross-Linked Polyethylene (XLP) Insulation. High-Heat and Moisture Resistant. AWG Sizes 14 Through 8 Also Rated SIS.



## APPLICATIONS

Southwire Type XHHW-2 conductors are primarily used in conduit or other recognized raceways for services, feeders, and branch circuit wiring, as specified in the National Electrical Code<sup>1</sup>. XHHW-2 conductors may be used in wet or dry locations at temperatures not to exceed 90°C. Voltage rating for XHHW-2 conductors is 600 volts.

## SPECIFICATIONS

Southwire Type XHHW-2 conductors meet or exceed UL standard 44, Federal Specification J-C-30B, and requirements of the National Electrical Code.

## CONSTRUCTION

Southwire Type XHHW-2 copper conductors are annealed (soft) copper. Insulation is an abrasion, moisture, and heat resistant cross-linked polyethylene (XLP). AWG sizes 14, 12, and 10 available in black, white, red, blue, yellow, green, orange, brown, purple, and grey.

## ALTERNATE CONSTRUCTION

Southwire Type XHHW-2 copper conductors are also available in sizes AWG 1/0 and larger rated for cable tray use and sunlight resistant. Specify XHHW-2 for CT use when requesting quote or ordering.

<sup>1</sup> 1999 Edition.

XHHW

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	30	131	15	15	15	18	A
12	7	30	149	20	20	20	26	A
10	7	30	172	30	30	30	40	A
8	7	45	234	40	50	55	66	B
6	7	45	271	55	65	75	100	B
4	7	45	318	70	85	95	150	B
3	7	45	345	85	100	110	186	B
2	7	45	376	95	115	130	231	B
1	19	55	434	110	130	150	292	B
1/0	19	55	473	125	150	170	363	B
2/0	19	55	517	145	175	195	452	B
3/0	19	55	567	165	200	225	565	B
4/0	19	55	623	195	230	260	706	B
250	37	65	691	215	255	290	835	B
300	37	65	744	240	285	320	995	B
350	37	65	793	260	310	350	1155	B
400	37	65	839	280	335	380	1314	B
500	37	65	922	320	380	430	1632	B
600	61	80	1029	355	420	475	1966	C
700	61	80	1098	385	460	520	2283	C
750	61	80	1131	400	475	535	2441	C
1000	61	80	1281	455	545	615	3231	C

+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 - Wet or dry locations.

STANDARD PACKAGE CODE:  
 A - 2500' Reel  
 B - 1000' Reel  
 C - 500' Reel

**RECOMMENDED SAMPLE SPECIFICATIONS:**

Conductors shall be UL-listed Type XHHW-2, suitable for operation at 600 volts or less in wet or dry locations, at temperatures not to exceed 90°C. Conductors shall be annealed copper, as manufactured by Southwire Company or approved equal.

**CABLE TRAY RATED RECOMMENDED SAMPLE SPECIFICATIONS:**

Conductor shall be UL-listed Type XHHW-2 rated for cable tray use and sunlight resistance. Also, suitable for operation at 600 volts or less in wet or dry locations, at temperatures not to exceed 90°C. Conductors shall be annealed copper, as manufactured by Southwire Company or approved equal.

