

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	130	15	15	15	18	A
12	7	30	147	20	20	20	26	A
10	7	30	171	30	30	30	40	A
8	7	45	232	40	50	55	66	B
6	7	45	267	55	65	75	99	B
4	7	45	314	70	85	95	149	B
2	7	45	370	95	115	130	230	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	705	B
250	37	65	691	215	255	290	835	B
300	37	65	744	240	285	320	995	B
350	37	65	794	260	310	350	1155	B
400	37	65	839	280	335	380	1314	B
500	37	65	923	320	380	430	1633	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	1280	455	545	615	3230	C

**+Allowable Ampacities:**  
Allowable ampacities shown are for general use as specified by the National Electrical Code, 2005 Edition, section 310.15 unless the equipment is marked for use at higher temperatures the conductor ampacities shall be limited to the following.  
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 - Wet or dry locations. For ampacity derating purposes.

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

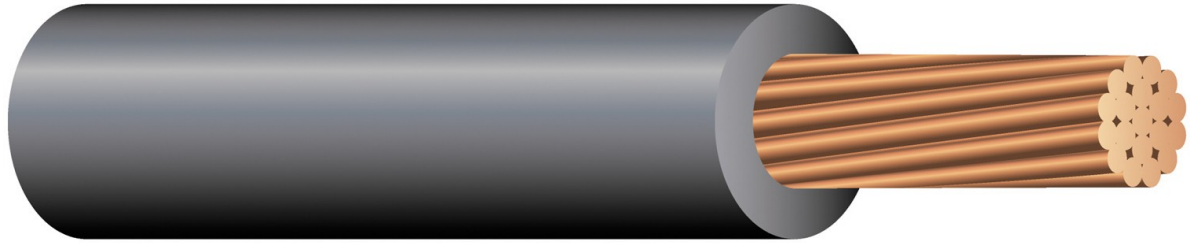
## RECOMMENDED SAMPLE SPECIFICATIONS:

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.

## Alternate CABLE TRAY (Special Order) RECOMMENDED SAMPLE SPECIFICATIONS:

Conductor shall be UL-listed Type XHHW-2 rated for cable tray use and sunlight resistance. (Conductor printed "For CT use") 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. (See Power Cable in section 32)

**600 Volt. Copper Conductor.  
Cross-Linked Polyethylene (XLP) Insulation.  
High-Heat and Moisture Resistant.  
Sizes 14 Through 8 AWG Also Rated SIS.  
Black Sizes 2 AWG and Larger Sunlight Resistant.**



## 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; ASTM B3, B8; Federal Specification A-A-59544, and requirements of the National Electrical Code.

Type XHHW-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 XHHW-2 copper conductors are annealed (soft) copper. Insulation is an abrasion, moisture, and heat resistant cross-linked polyethylene (XLP). Sizes 14, 12, and 10 AWG available in black, white, red, blue, yellow, green, orange, brown, purple, and gray. Conductor sizes 2 AWG and larger listed and marked sunlight resistant in black only. Colors available in sizes 8awg and larger. Not CT rated.

## ALTERNATE CONSTRUCTION

Southwire Type XHHW-2 copper conductors are also available in sizes 1/0 AWG and larger rated for cable tray use and sunlight resistant. Specify XHHW-2 for CT use when requesting quote or ordering. See Power Cable in Section 32.

<sup>1</sup> 2008 Edition