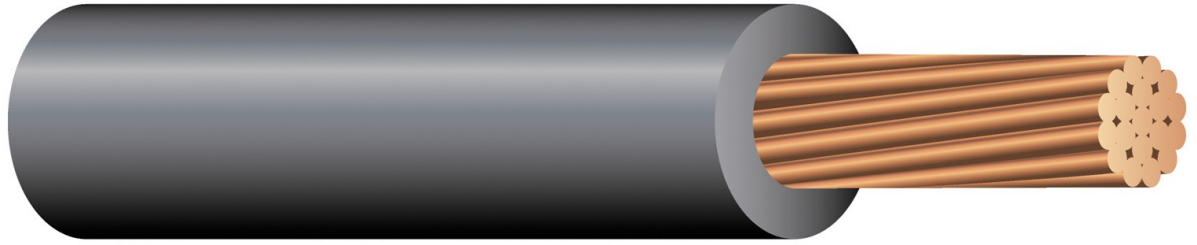


SIMpull XHHW-2™

600 Volt. Copper Conductor.
Cross-Linked Polyethylene (XLP) Insulation.
High-Heat and Moisture Resistant.
SIM Technology® for easier pulling
SIS Rated in sizes 14-8 AWG



APPLICATIONS

Southwire Type SIMpull 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. SIMpull 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. Suitable for use in anesthetizing locations per article 517.160 of the NEC where a dielectric constant of 3.5 or less is required. This cable can be installed without the need for pulling lubricant.

SPECIFICATIONS

Southwire Type SIMpull XHHW-2 conductors meet or exceed UL Standard 44, UL 1581; ASTM B3, B8; Federal Specification A-A-59544, and requirements of the National Electrical Code.

Type SIMpull 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.

- CT - UL 1685, Sizes 1/0 AWG and larger for CT use.
- RoHS Compliant
- Sunlight Resistant - Colors available in sizes 2 AWG and larger
- Gas and Oil Resistant II
- NEMA WC 70 Construction Requirements

CONSTRUCTION

Southwire Type SIMpull XHHW-2 copper conductors are annealed (soft) copper. Insulation is an abrasion, moisture, and heat resistant cross-linked polyethylene (XLP). Conductor sizes 8 and larger are marked sunlight resistant and colors available. Sizes 1/0 - 1000 kcmil are CT rated.

Simpull CU-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	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
3	7	45	340	85	100	110	185	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

**Sizes 14 - 10 AWG not available with patented SIM Technology® No Lube® jacket.

+Allowable Ampacities:

Allowable ampacities shown are for general use as specified by the National Electrical Code, 2008 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 SIMpull 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.



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