

**600 Volt. Tinned Copper Conductor. 90°C Cross-linked Polyethylene (XLP) Insulation.  
Low-Smoke, Low-Corrosivity, Sunlight Resistant.  
UL Listed. CSA Listed.  
Meets Flame Tests FT1 & FT2.  
Rated VW-1.**



## APPLICATIONS

Southwire Type SIS conductors are primarily used in switchboards and panel boards as specified in the 2011 National Electrical Code <sup>1</sup>. SIS conductors may be used at temperatures not to exceed 90°C for dry locations. Voltage rating for SIS conductors is 600 volts.

## SPECIFICATIONS

Southwire Type SIS conductors meet or exceed UL Standard 44 and CSA Specification C22.2 No. 38 for Thermoset Cables and requirements of the National Electrical Code and the Canadian Electrical Code.

## CONSTRUCTION

Southwire Type SIS copper conductors are annealed (soft) tinned copper, smooth bunch or ropelay bunch conductors. Insulation is special low-smoke, low-corrosivity, flame retardant polyethylene.

<sup>1</sup> 2008 Edition.

# SIS

Conductor			Insulation Thickness (mils)	Nominal O.D. (mils)	Approx. Net Weight Per 1000' (lbs.)
Size (AWG or kcmil)	No. Wires	Diameter			
14	41	0.07	30	0.130	18.79
12	65	0.0895	30	0.150	27.45
10	105	0.1125	30	0.173	40.74
8	133	0.169	45	0.259	71.54
6	133	0.21	60	0.330	155.54
4	133	0.269	60	0.389	170.62
2	133	0.335	60	0.455	257.07

Sizes 14 AWG - 8 AWG also rated XHHW  
Sizes 6 AWG - 2 AWG also rated RHH

## RECOMMENDED SAMPLE SPECIFICATIONS:

Conductors shall be UL-listed Type SIS, suitable for operation at 600 volts or less at temperatures not to exceed 90°C.  
Conductors shall be annealed tinned copper.