

SIS Cable (Switchboard)

CONSTRUCTION AT A GLANCE

CONDUCTOR TYPE ①
18 - 2 AWG TINNED
COPPER

INSULATION TYPE ②
FR-XLPE

APPLICATIONS

- Predominantly used in utility substations switchboards
- Rated 600 Volts

CONSTRUCTION DETAILS

- **Conductors**
 - 18 AWG thru 2 AWG Tinned, Annealed Copper
 - 18 AWG thru 10 AWG, Class K Stranding
 - 8 AWG thru 2 AWG, Class H Stranding
- **Insulation**
 - Flame-retardant, Heat, and Moisture Resistant, and Cross-Linked Polyethylene
 - Color Code: Gray
- **Print**
 - For 18 AWG & 16 AWG: SOUTHWIRE XXAWG XLPE 600V 90C VW-1 SEQUENTIAL FOOTAGE MARKS
 - For 14 AWG & 2 AWG: SOUTHWIRE XXAWG SIS or XHHW-2 UL TYPE 600V 90C VW-1 SEQUENTIAL FOOTAGE MARKS

SPECIFICATIONS

- **Southwire's Type SIS Cable meets or exceeds:**
 - All applicable ASTM Standards
 - UL 44 Type XHHW-2
 - UL 1581 VW-1

OPTIONS

- Stranding Classes
- Bare Copper Conductors
- Insulation Color
- UL Listed SIS/XHHW-2 for Sizes 14 AWG thru 2 AWG

Additional constructions available upon request

COLOR OPTIONS

- Dark Red
- Dark Blue
- Dark Green
- Black
- White
- Gray (Standard)

Conductor		Nominal Insulation Thickness (inches)	Nominal Overall Diameter		Approximate Weight	
Size (AWG)	Stranding		inches	mm	lbs/1000 ft.	kg/km
18	16	0.025	0.097	2.4	8.4	12.5
16	26	0.025	0.110	2.8	12.0	17.9
14	41	0.030	0.138	3.5	18.0	27.0
12	65	0.030	0.154	3.9	28.0	42.0
10	105	0.030	0.178	4.5	41.0	61.0
8	133	0.045	0.261	6.6	72.0	107.0
6	133	0.045	0.290	7.4	105.0	156.0
4	133	0.045	0.320	8.1	155.0	231.0
2	133	0.045	0.426	10.8	252.0	375.0

Dimensions and weights shown above are nominal and subject to industry tolerances.

