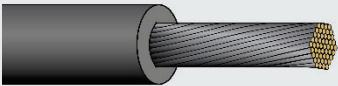


# SIS WIRE



## APPLICABLE TESTS AND STANDARDS

- ✓ ASTM B-33
- ✓ UL 44
- ✓ CSA C22.2 NO. 38-10
- ✓ NEC NFPA 70, NEC 310

## FEATURES

- ✓ 600V AND 1000V RATED
- ✓ -40°C TO 90°C MAX CONTINUING OPERATING TEMPERATURE IN WET LOCATIONS
- ✓ -40°C TO 105°C MAX CONTINUING OPERATING TEMPERATURE IN DRY LOCATIONS

## PRINT LEGEND

- ✓ KRIS-TECH WIRE CO. #XX AWG TYPE SIS OR XHHW-2 600V AND 1000V 90C VW-1 (UL) ROHS

## VALUE ADD SERVICE

- ✓ CUSTOM LENGTHS AND PUT-UPS
- ✓ 12 AVAILABLE COLORS
- ✓ WIRE PARALLELING AND CABLING
- ✓ WIRE STRIPING
- ✓ CUSTOM PRINT LEGENDS AND LABELS

## SCOPE

Our dual-rated XHHW/SIS wire consists of a single Class K-stranded conductor made of tin-coated copper. Its VW-1 rating makes it suitable for switchboards, control panels, automobile factories, programmable logic controllers (PLCs), variable frequency drives (VFDs), and other industrial applications.

## CONSTRUCTION

**Conductors:** Single conductors are available in solid or stranded, annealed or hardened configuration. Tin coated copper conductors are standard in SIS constructions.

**Insulation:** Conductors are insulated with a concentrically applied grey XLPE (crosslinked polyethylene) that is VW-1 flame and "Oil and Gasoline Resistant I" rated. An optional non VW-1 flame rating is available on request. CT (FT4) rating in sizes #1/0 and larger is also available on request.

All black insulation is rated "Sunlight Resistant". All colored insulation is rated "Sunlight Resistant" in sizes #6 AWG and larger, and optional in sizes #8 AWG and smaller.

## IDENTIFICATION AND PACKAGING

Print legends on the wire shall include the manufacturer, conductor size, voltage rating, UL symbol (if applicable) and type designation. Standard length spools are 500 or 2500 feet.

AWG	Standard Number of Strands	Optional Stranding***	Insulation Thickness 600V/2KV (Mils)	Ampacity @ 90°C*	Nominal Overall Diameter (Inches)	Approx. Shipping Weight 600V/2KV (Lbs/1000')
18**	16	-	30	14	0.11	9
16**	26	-	30	18	0.12	13
14	41	7, 19	30	25	0.13	18
12	65	7, 19	30	30	0.15	27
10	105	7, 19	30	40	0.18	40
8	133	7, 19	45	55	0.26	70
6	133	7, 19	45	75	0.30	104
4	133	7, 19	45	95	0.35	157
2	133	7, 19, 259	45	130	0.41	234
1	133	19, 37, 259	55	145	0.46	330
1/0	133	19, 37, 259	55	170	0.54	378
2/0	133	19, 37, 259	55	195	0.57	466
3/0	133	19, 37, 259	55	225	0.64	579
4/0	133	19, 37, 259	55	260	0.70	721

\*Ampacity is from NEC Article 310. Check with local codes authority for guidance with your application.

\*\*Non-UL product.

\*\*\*This stranding may require a Minimum Order Quantity, please contact Kris-Tech Sales for more information.



**SNAP FOR MORE INFORMATION**