



APPLICABLE STANDARDS AND TESTS

- ✓ ASTM B-1, B-3, B-33, B-8, B-173 and B-174
- ✓ UL 44 and UL83
- ✓ CSA C22.2 No. 38-10
- ✓ NEC NFPA 70, NEC 310
- ✓ UL vertical flame test

PRINT WHEEL

- ✓ 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

Single conductor, Type SIS, Type XHHW-2 VW-1 for 600 and 1000 volts or Type RW90 for use at 600 volts or less RoHS compliant. It is rated for a maximum continuous operating temperature between -40°C and 90°C in wet and 105°C in dry locations.

CONSTRUCTION

Conductors: Single copper conductors as solid or stranded, annealed or hard, coated, or uncoated copper per UL and ASTM requirements. Tinned conductors are standard in SIS constructions.

Insulation: Gray XLP (crosslinked polyethylene) is "Oil and Gasoline Resistant I". All black insulation is rated "Sunlight Resistant". All colored insulation "Sunlight Resistant" rated in sizes #6 AWG and larger. CT (FT4) rated in sizes #1/0 and larger available by request. Colored insulation "Sunlight Resistant" rated in sizes #8 AWG and smaller available by request.

IDENTIFICATION AND PACKAGING

The wire shall be identified by surface marking indicating the manufacturer, conductor size, voltage rating, UL symbol, VW-1, and type designation. Standard length spools have 500 or 2500 feet. Custom lengths, non-standard colors, AWG, and custom packaging are available by request.

AWG	Standard Number of Strands	Optional Stranding***	Insulation Thickness Mils	Ampacity *	Nominal Overall Diameter – Inches (standard strands)	Approx. Shipping Wgt. (Lbs./Mft.)
18**	16	-	30	-	0.11"	11
16**	26	-	30	-	0.12"	15
14	41	7, 19	30	25	0.13"/0.14"	21
12	65	7, 19	30	30	0.15"/0.16"	27
10	105	7, 19	30	40	0.17"/0.18"	40
8	133	7, 19	45	55	0.24"/0.25"	75
6	133	7, 19	45	75	0.28"/0.30"	115
4	133	7, 19	45	95	0.32"/0.34"	175
2	133	7, 19, 259	45	130	0.38"/0.40"	250
1	133	19, 37, 259	55	145	0.44"/0.46"	330
1/0	133	19, 37, 259	55	170	0.48"/0.52"	400
2/0	133	19, 37, 259	55	195	0.57"	471
3/0	133	19, 37, 259	55	225	0.64"	586
4/0	133	19, 37, 259	55	260	0.70"	730

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