



Switchboard Wire

SIS 600 Volt Copper

Description:

Single copper conductor, tinned, stranded and insulated with moisture and heat resistant, chemically crosslinked polyethylene.

Available in colors.

Application:

Suitable for use in 105°C dry systems.

Standards:

UL 44

C(UL)US: CSA/UL Listed (#14 AWG and larger)

ICEA S-95-658/NEMA WC-70

Federal Spec. A-A-59544

Flame Rated: UL 1581

Vertical Flame (VW1: #14 and larger)

Dual Rated Type XHHW-2 (#14 and larger)

UL 66 Fixture Wire (#16 AWG)

Temperature Rated at 90°C Wet/Dry

Cold Temperature Rated at -40°C

Sunlight Resistant (#16 AWG and #6 AWG)

Gasoline and Oil Resistant II

RoHS Compliant

Flex-Strand Catalog Number	Size AWG	Stranding		Insulation Thickness (mils)	Nominal Diameter Overall (inch)	Approx. Net Weight (lb/1000')	Ampacity* (30°C ambient) 90°C Wet/Dry
		Flex-Strand (no.)	Class B (no.)				
SIST16	16***	26	7	30	0.121	12	8
SIST14VW	14	41	7	30	0.139	19	25**
SIST12VW	12	65	7	30	0.158	27	30**
SIST10VW	10	104	7	30	0.182	40	40**
SIST8VW	8	133	7	45	0.238	67	55
SIST6VW	6	133	7	45	0.274	100	75

*Per NEC Table 310-16.

The overcurrent protection for items marked "*" shall not exceed 15 amps for #14 AWG, 20 amps for #12 AWG, and 30 amps for #10 AWG per NEC 310-16 footnote.

***#16 AWG is FFH-2.

NOTE: Copper Conductor available Non-Tinned.

NOTE: The data shown is approximate and subject to standard industry tolerances.