



Switchboard Wire UL Type SIS 600 Volt Copper

DESCRIPTION:

Single copper conductor, tinned stranded insulated with moisture and heat resistant, chemically cross-linked polyethylene insulation (VW-1). Temperature rating 90°C in wet and dry locations.

STANDARDS:

UL 44
C(UL) US: CSA/UL Listed (#14 AWG and Larger)
Flame Rated: UL 1581 Vertical Flame (VW1) (#14 and larger)
Dual Rated Type XHHW-2 (#14 & larger)
(UL 66 Fixture Wire for #16 AWG)
Per ICEA S-95-658 / NEMA WC-70
Gasoline and Oil Resistant II
Sunlight Resistant (Black only)
Excellent crush and abrasion resistance
-40°C rated
Federal Spec AA-59544
Suitable for use in 105° C Dry System

Flex-Strand Catalog Number	Size AWG or KCMIL	Stranding			Insulation Thickness (mils)	Nominal Diameter Overall (inch)	Approx. Net Wt. per 1000 ft. (lbs.)	Ampacity* (30°C Ambient) 90°C Wet/Dry
		Flex-Strand Stock	Class B Stock	Class C Stock				
SIS16KT	16 ***	26	7	19	30	0.121	14	8
SIS14KTVW	14	41	7	19	30	0.139	18	25 **
SIS12KTVW	12	65	7	19	30	0.158	27	30 **
SIS10KTVW	10	105	7	19	30	0.182	40	40 **
SIS8HTVW	8	133	7	19	45	0.238	69	55
SIS6HTVW	6	133	7	19	45	0.274	100	75

COLOR CHART

Size	Blue	Black	Brown	Green	Gray	Orange	Red	White	Yellow
16		X			X				
14	X	X	X	X	X		X	X	X
12	X	X		X	X	X	X	X	
10					X				
8					X				
6					X				

*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.

2009

Single Conductors