

Switchboard Cable SIS Copper



A Viakable Company

XLPE Insulated, 600 V

Features

Dual rated UL as Types SIS/XHHW-2.

XHHW-2 is rated for CT Use, 1/0 AWG and larger.

Application

These cables are used as switchboard cables only.

Standards

UL 44

Thermoset-Insulated Wire and Cable.

Specifications

Maximum operating voltage:

- 600 volts

Maximum conductor operation temperatures:

- SIS: 90 °C dry
- XHHW-2: 90 °C wet & dry

Engineering Information

1. Conductor: Soft annealed uncoated copper compressed Class B stranding, or unilay-compressed per ASTM B8.

On request, tinned copper or flexible stranding.

Sizes:

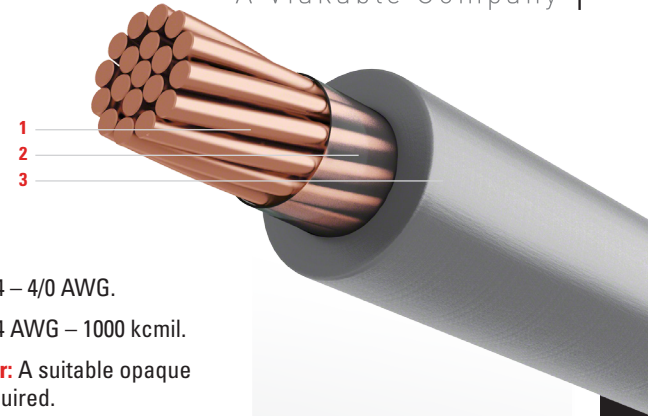
SIS: 14 – 4/0 AWG.

XHHW-2: 14 AWG – 1000 kcmil.

2. Separator: A suitable opaque tape, as required.

3. Insulation: Gray Thermoset flame retardant cross-linked polyethylene (XLPE).

On request, colored insulation.



Technical Data

SIS/XHHW-2 XLPE Insulated

Size AWG or kcmil	Number of Strands	Insulation Thickness	Approximate Outside Diameter	Approximate Net Weight
		mil	in	lb/kft
14	7	30	0.13	19
12	7	30	0.15	27
10	7	30	0.18	41
8	7	45	0.24	68
6	7	45	0.27	98
4	7	45	0.32	150
2	7	45	0.38	231
1	19	55	0.44	293
1/0	19	55	0.48	365
2/0	19	55	0.52	455
3/0	19	55	0.57	567
4/0	19	55	0.63	709
250	37	65	0.69	838
300	37	65	0.75	998
350	37	65	0.80	1159
400	37	65	0.84	1319
500	37	65	0.93	1638
600	61	80	1.03	1972
750	61	80	1.14	2448
1000	61	80	1.29	3239

The above data are approximate and subject to normal manufacturing tolerances. Other sizes available upon request.

Ampacities: Refer to beginning of section.

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