

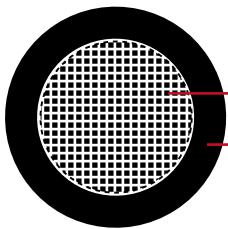


SIS Switchboard Wire

Applications:

Type SIS VW-1 for use at 600 Volts or less, rated for a maximum continuous operating temperature of 90°C in wet and dry locations. For use in Class 1E low voltage applications in operation and interconnection of protective devices where optimum performance is required.

Construction:



Stranded tinned copper conductor

Cross-Linked Polyethylene insulation



Conductor:

Stranded tinned annealed copper per ASTM B33; Class B stranding per ASTM B8

Insulation:

Flame-retardant, heat, moisture and radiation resistant, thermoset Cross-Linked Polyethylene(FRXLPE)

Color:

upon request, black is preferable

Compliances:

- ▶ UL 44 - Thermoset Insulated Wires & Cables
- ▶ ICEA S-95-658/NEMA WC70(formerly ICEA S-66-524 & S-19-81)
- ▶ IEEE 383 (70,000 BTU/hr)
- ▶ ICEA T-29-520 (210,000 BTU/hr)
- ▶ UL 1581 VW-1



Parameters:

AWG or kcmil	Strand		Nominal insulation Thickness		Nominal Overall Diameter		Copper Weight		Cable Weight	
	Cl. B	Cl. C	Inch	mm	Inch	mm	Lbs/kft	kg/km	Lbs/kft	kg/km
18	7	19	0.030	0.76	0.108	2.69	5	8	9	14
16	7	19	0.030	0.76	0.118	2.95	8	12	13	19
14	7	19	0.030	0.76	0.133	3.33	13	19	19	28
12	7	19	0.030	0.76	0.152	3.81	20	30	27	41
10	7	19	0.030	0.76	0.175	4.39	32	48	41	60
8	7	19	0.045	1.14	0.236	5.92	51	76	68	100
6	7	19	0.045	1.14	0.273	6.86	81	121	101	151
4	7	19	0.045	1.14	0.320	8.05	129	192	154	229
2	7	19	0.045	1.14	0.379	9.55	205	305	237	353
1	19	37	0.055	1.40	0.437	11.0	258	384	298	444
1/0	19	37	0.055	1.40	0.476	12.0	326	485	371	552
2/0	19	37	0.055	1.40	0.521	13.2	411	612	462	687
3/0	19	37	0.055	1.40	0.571	14.4	518	771	575	856
4/0	19	37	0.055	1.40	0.627	15.9	653	972	717	1067
250	37	61	0.065	1.65	0.695	17.6	772	1149	852	1268
350	37	61	0.065	1.65	0.798	20.2	1081	1609	1176	1750
500	37	61	0.065	1.65	0.927	23.4	1544	2297	1659	2468
750	61	91	0.080	2.03	1.137	28.8	2316	3446	2480	3691
1000	61	91	0.080	2.03	1.287	32.6	3088	4595	3279	4879