



Model Number: SB-SGS-E

Working temperature: -60~240°C

Short time peaks at 300°C

Flame Retardant: VW-1

Directional extensibility: ≥20%

Structure

It is braided by non-alkali fiberglass, then extruded with silicone rubber and treated in high temperature.

Characteristics

Flammability: self-extinguishing, wear resistance, tear resistance, good compatibility with same class impregnation varnishes, good

mechanical resistance, very flexible.

Usage

It is widely used in coil and winding industry (coils, motors, generators, transformers...); lighting, fixtures; transportation (mass transit, rail cars, locomotives...); commercial cookware (fryers, rotisseries, steamers...); heating and cooling; custom car markets and heavy truck market; and in many other industrial fields.

Specification

Item	Test Conditions	Performance
Voltage resistance after heating	UL1441: 265°C/48 hours	Take it out and test it at room temperature. Its average voltage value is not less than half of the destruction voltage value before aging.
Anti-aging properties	UL1441: 7days 250°C 60 days 235°C	After taking it out and placing it at room temperature, there is no cracking or peeling off on the surface of the product.
Low temperature test	UL1441: -70°C/1 hour	Take out the product and place it at room temperature; wrap 6 circles with a measuring rod with the nominal diameter of the product, the product has no cracking and coating peeling off.
Combustion test	UL1441: VW-1 UL1441:Horizontal combustion	Put the product in the test box, aim the blue flame at the marked combustion test point; burn for 15 seconds, move away for 15 seconds, and so on for 60 seconds; each time the flame leaves, it will self-extinguish within 15 seconds.
Corrosion resistance	0#, 93# fuel oil/1 hour S100 solvent/1 hour -50 antifreeze/1 hour Household detergent/1 hour	Pass

Dimension

Inside Diameter		Wall thickness (mm)		Standard package (m/roll)
Nominal(mm)	Tolerance(mm)	SB-SGS-E (4KV)	SB-SGS-E (7KV)	
0.5-1.0	+0.2, -0.1	0.20-0.50	0.40-0.80	400
1.5-4.0	+0.3, -0.1	0.30-0.60	0.50-0.80	200
4.5-5.0	+0.3, -0.1	0.40-0.75	0.60-1.05	200
6.0-8.0	+0.3, -0.1	0.40-0.75	0.80-1.15	100
9.0-10.0	+0.3, -0.1	0.45-1.00	0.90-1.40	100
11.0-14.0	+0.3, -0.1	0.50-1.00	0.90-1.50	50
15.0-20.0	+0.3, -0.1	0.60-1.20	1.00-1.60	50
22.0-25.0	+0.3, -0.1	0.90-1.20	1.10-1.90	25
26.0-30.0	+0.3, -0.1	1.00-1.40	1.20-2.00	25
32.0-40.0	+1.0, -1.0	1.00-1.60	1.20-2.10	20

Package: Packing by rolls or cut upon request.

Color: Standard color is brick red, other color available upon request. The colors of braided can be customized.