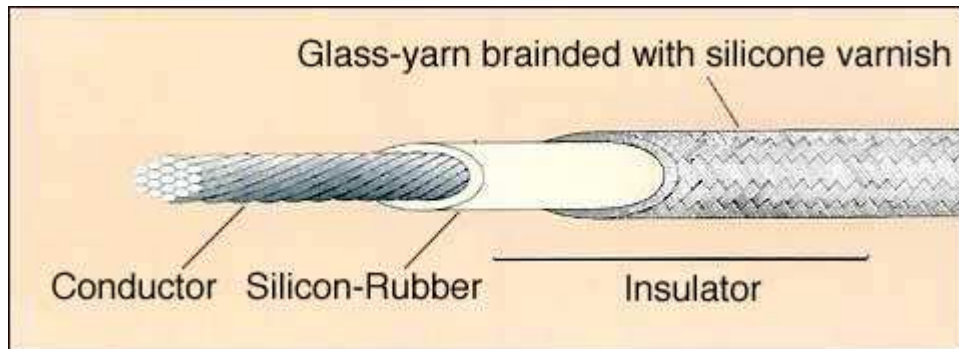


Silicone-rubber insulated glass-yarn braided wires (SRGB series)

Silicone-rubber insulated glass-yarn braided wire (SRGB series) is made of tin-coated annealed copper wires, coated with silicone-rubber and braided with glass fiber. Both SRGB and SRGB3 are manufactured based on the NINOMIYA Standards. SRGB3 is rated at 300V. Maximum operating temperature of both series is common at 180 °C.



Construction

Conductor	Basically conductor is a stranded wire made of several tin-coated annealed copper elemental wires which correspond with JIS C 3152 (Tin-coated annealed copper wires). Construction of the conductor is shown in below table. Nickel-coated annealed copper wire or nickel wire also can be a conductor.
Insulator	Conductor is coated with silicon-rubber evenly with thickness shown in below table, covered with glass-yarn, and a material like silicone varnish is baked on the surface to make an insulator.
Color	Color identification is made by coloring silicone varnish. The standardized color is white. Black, red, green, yellow, brown and blue are also available.
Application	Internal wirings of devices where heat-resistance is required.

table

Parts No.	Conductor			Insulation thickness mm	Braided shielding thickness mm	Finished OD mm	Conductor resistance Ω /Km	Insulation resistance MΩ ·Km	Test voltage (AC 1 min.) V
	Sectional area mom.	Construction No. of wires/Dia. of elemental wire	OD						
	mm ²	No. of wires/mm	mm						
SRGB									
8351KE00N	0.5	20/0.18	1.0	0.35	0.2	2.0	38.6	100	1,500
8451KE00N	0.75	30/0.18	1.1	0.35	0.2	2.1	25.8	100	1,500
8551KE00N	1.25	50/0.18	1.5	0.35	0.2	2.6	15.5	100	1,500
8651KE00N	2.0	37/0.26	1.8	0.45	0.25	2.9	9.91	100	1,500
SRGB3(300V)									
8451KG00N	0.75	30/0.18	1.1	0.8	0.25	3.2	25.8	100	1,500
8551KG00N	1.25	50/0.18	1.5	0.8	0.25	3.6	15.5	100	1,500
8651KG00N	2.0	37/0.26	1.8	0.8	0.25	3.9	9.91	100	1,500
8751KG00N	3.5	45/0.32	2.5	0.8	0.25	4.6	5.38	100	1,500