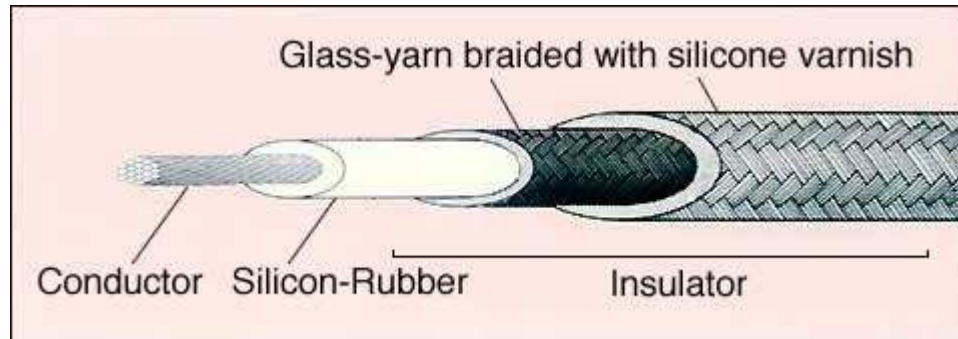


# Silicon-rubber insulated glass-yarn braided wires

LKGB (600V, conforms to the regulation of Electrical Appliance and Material Control Law), LKGB33, LKGB66

Silicon-rubber insulated glass-yarn braided wire (LKGB series) is made of tin-coated annealed copper wires, coated with silicone-rubber and braided with glass fiber.

Maximum operating temperature of this series is 180 °C. And there are three types in the series, rated at 600V, 3300V and 660V respectively. LKGB(600V) is type-approved and conforms to the regulations of Electrical Appliance and Material Control Law.



## 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 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	Widely used as leading wires of generators, motors or other electrical equipments.

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 <sup>2</sup>	No. of wires/mm	mm						
LKGB(600V) conforms to the regulation of Product Safety Electrical Appliance & Materials									
8451LA00N	0.75	30/0.18	1.1	1.1	0.5	4.3	25.8	100	1,500
8551LA00N	1.25	50/0.18	1.5	1.1	0.5	4.7	15.5	100	1,500
8651LA00N	2.0	37/0.26	1.8	1.1	0.5	5.0	9.91	100	1,500
8751LA00N	3.5	45/0.32	2.5	1.1	0.5	5.7	5.38	100	1,500
8851LA00N	5.5	35/0.45	3.1	1.1	0.5	6.3	3.46	90	1,500
8951LA00N	8	50/0.45	3.7	1.1	0.5	6.9	2.45	80	1,500
9051LA00N	14	88/0.45	4.9	1.1	0.5	8.3	1.39	60	2,000
9151LA00N	22	7/20/0.45	7.0	1.4	0.6	11.0	0.892	70	2,000
9251LA00N	30	7/27/0.45	8.1	1.4	0.6	12.1	0.661	60	2,000
9351LA00N	38	7/34/0.45	9.1	1.4	0.6	13.1	0.525	50	2,500

9451LA00N	50	19/16/0.45	10.4	1.8	0.6	15.2	0.411	60	2,500
9551LA00N	60	19/20/0.45	11.6	1.8	0.6	16.2	0.329	50	2,500
9651LA00N	80	19/27/0.45	13.5	1.8	0.7	18.5	0.243	50	2,500
9751LA00N	100	19/34/0.45	15.2	2.3	0.7	21.2	0.193	50	2,500
<b>LKGB(3,300V)</b>									
8951LC00N	8	50/0.45	3.7	3.0	0.6	10.9	2.45	150	8,000
9051LC00N	14	88/0.45	4.9	3.0	0.6	12.1	1.39	150	8,000
9151LC00N	22	7/20/0.45	7.0	3.0	0.6	14.1	0.892	100	8,000
9251LC00N	30	7/27/0.45	8.1	3.0	0.6	15.3	0.661	90	8,000
9351LC00N	38	7/34/0.45	9.1	3.0	0.6	16.3	0.525	80	8,000
9451LC00N	50	19/16/0.45	10.4	3.5	0.7	18.8	0.411	80	8,000
9551LC00N	60	19/20/0.45	11.6	3.5	0.7	20.1	0.329	70	8,000
<b>LKGB(6,600V)</b>									
8951LD00N	8	50/0.45	3.7	5.0	0.6	14.9	2.45	200	15,000
9051LD00N	14	88/0.45	4.9	5.0	0.6	16.1	1.39	200	15,000
9151LD00N	22	7/20/0.45	7.0	5.0	0.7	18.4	0.892	150	15,000
9251LD00N	30	7/27/0.45	8.1	5.0	0.7	19.5	0.661	150	15,000
9351LD00N	38	7/34/0.45	9.1	5.0	0.7	20.5	0.525	100	15,000