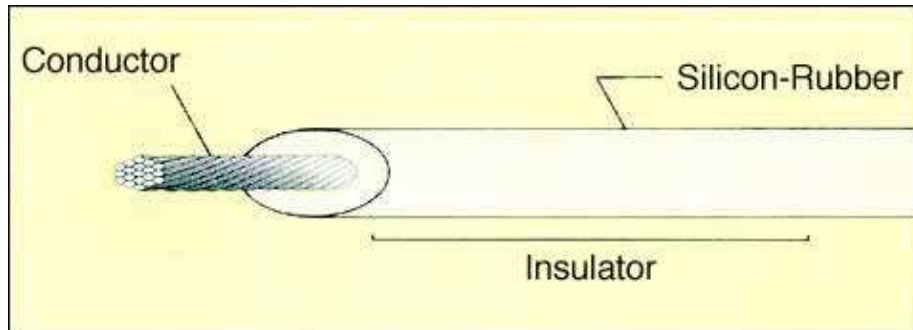


## Silicone-rubber insulated wires SR

Silicone-rubber insulated wire (SR series, R-LK) is a tin-coated wire coated with silicone-rubber. SR series is manufactured based on the NINOMIYA Standards.

There are five types in the series, rated at 600V, 300V, 1500V, 3300V and 6600V respectively. R-LK series is type-approved, conforms to the regulations of Electrical Appliance and Material Control Law and rated at 600V. 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). Composition of the conductor is shown in below table. Nickel-coated annealed copper wire or silver-coated annealed copper wire also can be a conductor.
Insulator	Conductor is coated with silicon-rubber evenly with thickness shown in below table to make an insulator.
Color	Color varies depending on the type of insulator. The standardized color is white. Black, red, green, yellow, brown, blue and gray are also available.
Application	Widely used in various areas. Examples: wirings in moderate high temperature (180 °C or below) environments, lead wirings, and moving parts wirings where flexibility is required.

Appendix								
Part No.	Conductor			Thickness of Insulation	Average finished OD	Conductor resistance	Insulation resistance	Test voltage (AC per minute)
	Nominal cross-sectional area	No. of wires/Diameter of elemental wire	OD					
	mm <sup>2</sup>	number/mm	mm					
<b>SR(600V)</b>								
8351KC00N	0.5	20/0.18	1.0	1.1	3.2	38.7	100	1,500
8451KC00N	0.75	30/0.18	1.1	1.1	3.3	25.8	100	1,500
8551KC00N	1.25	50/0.18	1.5	1.1	3.7	15.5	100	1,500
8651KC00N	2.0	37/0.26	1.8	1.1	4.0	9.91	100	1,500
8751KC00N	3.5	66/0.26	2.4	1.1	4.7	5.38	100	1,500
8851KC00N	5.5	35/0.45	3.1	1.1	5.3	3.46	90	1,500
8951KC00N	8	50/0.45	3.7	1.1	5.9	2.45	80	1,500
9051KC00N	14	88/0.45	4.9	1.1	7.1	1.39	60	2,000
9151KC00N	22	7/20/0.45	7.0	1.4	9.8	0.892	70	2,000

SR3(300V)								
8351KH00N	0.5	20/0.18	1.0	0.8	2.6	38.7	100	1,500
8451KH00N	0.75	30/0.18	1.1	0.8	2.7	25.8	100	1,500
8551KH00N	1.25	50/0.18	1.5	0.8	3.1	15.5	100	1,500
8651KH00N	2.0	37/0.26	1.8	0.8	3.4	9.91	100	1,500
SR15(1,500V)								
8551KK00N	1.25	50/0.18	1.5	2.0	5.5	15.5	100	5,000
8651KK00N	2.0	37/0.26	1.8	2.0	5.8	9.91	100	5,000
8751KK00N	3.5	45/0.32	2.5	2.0	6.5	5.38	100	5,000
8851KK00N	5.5	35/0.45	3.1	2.0	7.1	3.50	100	5,000
8951KK00N	8.0	50/0.45	3.7	2.0	7.7	2.45	100	5,000
9051KK00N	14	88/0.45	4.9	2.5	9.9	1.39	100	5,000
SR33(3,300V)								
8551KL00N	1.25	50/0.18	1.5	3.0	7.5	15.5	100	8,000
8651KL00N	2.0	37/0.26	1.8	3.0	7.8	9.91	100	8,000
8751KL00N	3.5	45/0.32	2.5	3.0	8.5	5.38	100	8,000
8851KL00N	5.5	35/0.45	3.1	3.0	9.1	3.50	100	8,000
8951KL00N	8.0	50/0.45	3.7	3.0	9.7	2.45	100	8,000
9051KL00N	14	88/0.45	4.9	3.0	10.9	1.39	100	8,000
SR66(6,600V)								
8651KM00N	2.0	37/0.26	1.8	5.0	11.8	9.91	100	15,000
8751KM00N	3.5	45/0.32	2.5	5.0	12.5	5.38	100	15,000
8851KM00N	5.5	35/0.45	3.1	5.0	13.1	3.50	100	15,000
8951KM00N	8	50/0.45	3.7	5.0	13.7	2.45	100	15,000
9051KM00N	14	88/0.45	4.9	5.0	14.9	1.39	100	15,000
R-LK(600V) conforming to Product Safety Electrical Appliance & Materials								
8451KB00N	0.75	30/0.18	1.1	1.1	3.3	25.8	100	1,500
8551KB00N	1.25	50/0.18	1.5	1.1	3.7	15.5	100	1,500
8651KB00N	2.0	37/0.26	1.8	1.1	4.0	9.91	100	1,500
8751KB00N	3.5	45/0.32	2.5	1.1	4.7	5.38	100	1,500
8851KB00N	5.5	35/0.45	3.1	1.1	5.3	3.50	90	1,500
8951KB00N	8	50/0.45	3.7	1.1	5.9	2.45	80	1,500
9051KB00N	14	88/0.45	4.9	1.1	7.1	1.39	60	2,000
9151KB00N	22	7/20/0.45	7.0	1.4	9.8	0.892	70	2,000