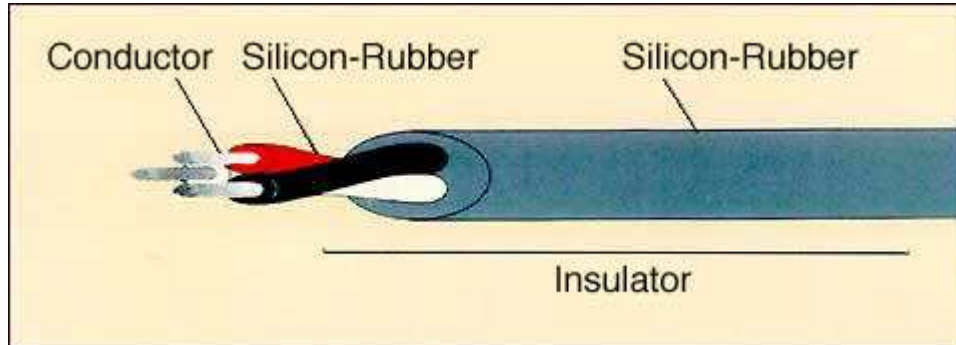


Silicone-rubber cabtyre cables

SRCT, SR-KCT (conforming to Electrical Appliance and Material Control Law)

Silicone-rubber cabtyre cable (SRCT, SR-KCT) is a stranded cable with silicone-rubber outer sheath made of several tin-coated annealed copper wires which are coated with silicon-rubber separately. SRCT series is manufactured based on the NINOMIYA Standards.

SR-KCT series is type-approved, conforms to the regulations of Electrical Appliance and Material Control Law and rated at 600 V. 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 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.														
Strand	2 to 7 insulation wires mentioned above are stranded.														
Identification	Each silicone-rubber cabtyre cable is identified by color of the insulator as follows: <table border="1" style="margin-left: 20px;"> <tr> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> </tr> <tr> <td>Black</td> <td>White</td> <td>Red</td> <td>Green</td> <td>Yellow</td> <td>Brown</td> <td>Blue</td> </tr> </table>	1	2	3	4	5	6	7	Black	White	Red	Green	Yellow	Brown	Blue
1	2	3	4	5	6	7									
Black	White	Red	Green	Yellow	Brown	Blue									
Outer sheath	Stranded wires are coated with silicone-rubber so that the gap is filled. Basically color of the sheath is gray.														
Application	Widely used in various areas. Examples: wirings in moderate high temperature (180 °C or below) environments, lead wirings, and moving parts wirings.														

table

Parts No.	Conductor			Insulation thickness	Finished OD						Conductor resistance	Insulation resistance	Test voltage (AC 1 min.)
	Sectional area mom.	Construction No. of wires/Dia. of elemental wire	OD		2	3	4	5	6	7			
	mm ²	No. of wires/mm	mm		mm	mm	mm	mm	mm	mm			
SRCT(600V)													
845□KD00N	0.75	30/0.18	1.1	1.1	9.6	10.1	11.0	11.9	12.9	12.9	25.8	100	1,500
855□KD00N	1.25	50/0.18	1.5	1.1	10.4	11.0	11.9	13.0	14.1	14.1	15.5	100	1,500
865□KD00N	2.0	37/0.26	1.8	1.1	11.0	11.6	12.6	13.8	15.0	15.0	9.91	100	1,500
875□KD00N	3.5	45/0.32	2.5	1.1	12.4	13.1	14.3	15.7	17.1	17.1	5.38	100	1,500

885□KD00N	5.5	35/0.45	3.1	1.1	13.6	14.4	15.8	17.3	18.9	18.9	3.46	90	1,500
895□KD00N	8	50/0.45	3.7	1.1	14.8	15.7	17.2	18.9	-	-	2.45	80	1,500
905□KD00N	14	88/0.45	4.9	1.1	17.2	18.3	20.1	-	-	-	1.39	60	2,000
SR-KCT(600V) conforming to Product Safety Electrical Appliance & Materials													
845□KA00N	0.75	30/0.18	1.1	1.1	10.1	10.7	11.6	12.7	13.8	13.8	25.8	100	3,000
855□KA00N	1.25	50/0.18	1.5	1.1	11.0	11.6	12.7	13.9	15.2	15.2	15.5	100	3,000
865□KA00N	2.0	37/0.26	1.8	1.1	11.7	12.4	13.5	14.8	16.2	16.2	9.91	100	3,000
875□KA00N	3.5	45/0.32	2.5	1.1	13.2	14.1	15.5	17.0	18.6	18.6	5.38	100	3,000
885□KA00N	5.5	35/0.45	3.1	1.1	14.6	15.5	17.1	18.8	20.6	20.6	3.50	100	3,000
895□KA00N	8.0	50/0.45	3.7	1.1	16.0	17.0	18.7	20.7	-	-	2.45	100	3,000

*Fill in □ with a number of wires stranded