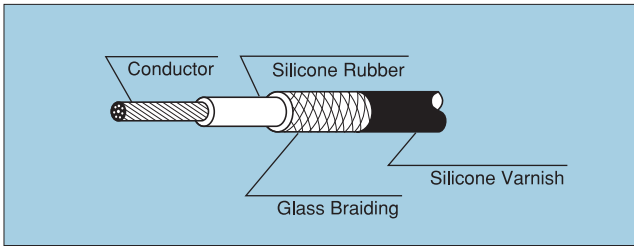


**SILICONE RUBBER INSULATED WIRE WITH GLASS BRAIDING**

**RS-GE**



**STRUCTURE**

It is the electric wire which conducted the glass braiding to silicone rubber insulated wire and treated surface by the silicone varnish.

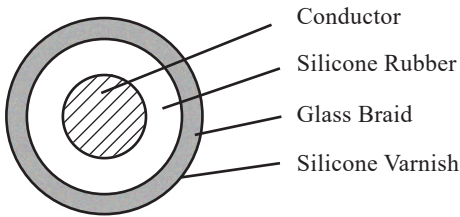
**FEATURES**

It is more excellent for water resistance, fire resistance (JIS C 3005) than RS-GE

**Rated Temperature : -60 ~ 180°C**

**CONSTRUCTION, MATERIALS AND MEASUREMENT**

**Construction**



**Conductor**

The conductor of this wire is Tinned annealed Copper conductor. Construction of the conductor is shown as in Table-1.

**Insulation**

The insulation of this wire is Silicone Rubber Compound and shall be applied to cover the conductor uniformly, and shall not have corrosive action to the conductor. Insulation thickness is shown as in Table-1.

**Braid**

A closely woven braid composed of glass yarn shall be applied over the insulation.

**Coating**

The surface of braided wire is coated with Heat-Resistant Silicone Varnish.

**Color**

The color of the wire is White. Other colors available upon request.

Conductor			Thickness Of Insulation (mm)	Glass Braid Thickness (mm)	Standard Overall Diameter (mm)	Current Ampere Data				Test Voltage (For 1 min)	Maximum Conductor Resistance 20°C (Ω/km)
Diameter or Nominal Cross-sectional Area	Composition No./Diameter of Component Wire	Outside Diameter (mm)				30°C	70°C	110°C	150°C		
0.3mm <sup>2</sup>	12/0.18	0.7	0.35	0.2	1.8	//	//	//	//	1500V	64.4
0.5	20/0.18	1.0	//	//	2.1	18.1	15.5	12.40	8.10	1500V	38.7
0.75	30/0.18	1.2	//	//	2.3	23.1	19.8	15.80	10.30	1500V	25.8
1.0	40/0.18	1.3	0.35	0.20	2.4	27.3	23.4	18.60	12.20	1500V	19.4
1.25	50/0.18	1.5	//	//	2.6	31.6	27.1	21.60	14.10	1500V	15.5
1.5	28/0.26	1.6	0.45	0.25	3.0	36.2	31	24.70	16.20	1500V	13.1
2.0	37/0.26	1.8	0.45	0.25	3.2	42.9	36.7	29.30	19.20	1500V	9.91
2.5	47/0.26	2.1	0.45	0.25	3.5	50.3	43.1	34.40	22.50	1500V	7.79
3.0	57/0.26	2.3	0.45	0.25	3.7	56.8	48.6	38.80	25.40	1500V	6.43
3.5	45/0.32	2.5	0.5	//	4.0	64	54.8	43.70	28.60	1500V	5.38
5.5	35/0.45	3.1	//	//	4.6	84.2	72.1	57.50	37.70	1500V	3.50
8.0	50/0.45	3.7	0.7	0.3	5.7	108.3	92.7	74.00	48.40	1500V	2.45
10.0	64/0.45	4.2	0.70	0.30	6.2	126.3	108.2	86.30	56.50	1500V	1.93
12.0	76/0.45	4.5	0.70	0.30	6.5	140.1	120	95.70	62.60	1500V	1.63
14.0	88/0.45	4.9	0.8	//	7.1	155.6	133.2	106.30	69.60	1500V	1.40
16.0	7/15/0.45	6.0	0.80	0.40	8.4	180.1	154.2	123.00	80.50	1500V	1.18
20.0	7/18/0.45	6.6	0.80	0.40	9.0	202.40	173.30	138.30	90.50	1500V	0.981
22.0	7/20/0.45	7.0	1.1	0.4	10.0	218.4	187	149.20	97.70	1500V	0.883
25.0	7/23/0.45	7.5	1.10	0.40	10.5	238.3	204.1	162.80	106.60	1500V	0.768
30.0	7/27/0.45	8.1	//	//	11.1	263.5	225.6	180.00	117.80	1500V	0.654
35.0	7/32/0.45	8.8	1.10	0.40	11.8	293.00	250.90	200.20	131.00	1500V	0.552
38.0	7/34/0.45	9.1	1.3	//	12.5	305.4	261.5	208.60	136.60	1500V	0.519
50.0	19/16/0.45	10.4	1.80	0.50	15.0	357.4	306	244.10	159.80	1500V	0.407
60.0	19/20/0.45	11.6	1.80	0.50	16.2	410.30	351.30	280.30	183.50	1500V	0.325
80.0	19/27/0.45	13.6	2.30	0.50	19.2	483.50	414.00	330.30	216.20	1500V	0.251