

Characteristic :

1. physical property

a. Excellent mechanical properties:

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Tensile strength ≥ 5.0 MPa, elongation at break $\geq 150\%$ after aging:

Conditions: $200 \pm 3.0^\circ\text{C} / 240$ H

Tensile strength ≥ 4.0 MPa, elongation at break $\geq 120\%$

b. Flame retardancy: VW-1, vertical combustion, combustion 5 times, each time 15S, any residual flame is not more than 60S

c. Low temperature bending: $-25^\circ\text{C} \pm 2^\circ\text{C} / 4\text{H}$, if there is no crack on the surface of the sample, it is qualified

2. behaviour of electricity

A. Rated temperature: $-60-180^\circ\text{C}$ Rated voltage: 150V

b. Spark test: No breakdown occurs when passing through the test electrode. The spark test voltage is 1.5 kV AC.

c. Dielectric withstand voltage: 1.5 kV for 60 seconds without breakdown

3. handling characteristics

a. Use cold extrusion processing

b. Or use a high-temperature vulcanization process.

c. Good processing performance of the wiring harness

d. Good compatibility during the wiring harness processing

4. environmental protection

a. Compliance with ROHS/REACH

b. Tasteless and non-toxic

Apply :

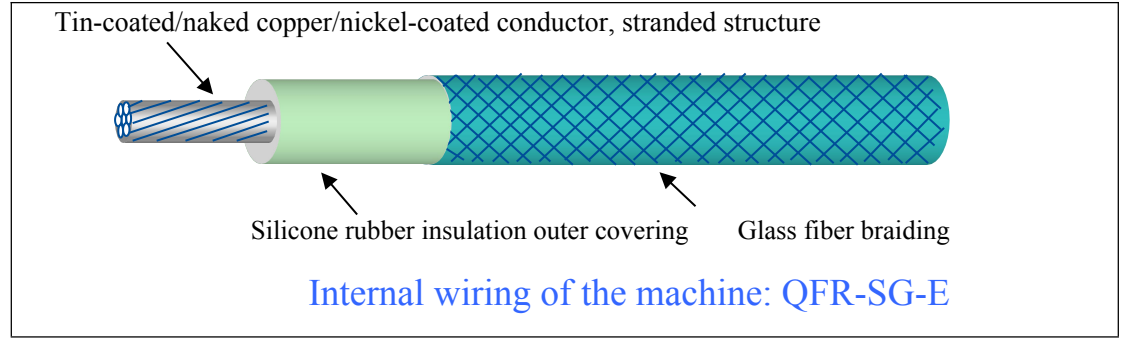
Internal wiring of machine

Reference standard :

Qifurui Enterprise Standards

Summary :

Produced with honor by Qifurui Electronics Co., Ltd.



Structural description :

Conductor Structure: Tin-coated/Naked Copper/Nickel-coated Conductor

Insulation material: silicone rubber

Weaving: Glass fiber weaving

For internal wiring of the equipment, the rated temperature of silicone rubber insulated wires with conductor temperature not exceeding 180°C is -60 to 180°C , and the rated voltage is below 150V.

Model	Specifications MM ²	Conductor structure (branch/mm) ± 0.005 mm	Conductor resistance at 20°C (Ω/km)	Conductor diameter (mm)	Insulation thickness (mm)	Fabric thickness (mm)	Outer diameter (mm)	
					Average value		Average value	Common difference
QFR-SG-E	0.2	11/0.16	92.00	0.61	0.30	0.20	1.20	± 0.10
	0.3	12/0.18	59.40	0.72	0.30	0.20	1.72	± 0.10
	0.5	20/0.18	36.70	0.93	0.30	0.20	1.93	± 0.10
	0.75	30/0.18	23.20	1.14	0.30	0.20	2.14	± 0.10
	1.00	32/0.20	18.30	1.30	0.30	0.20	2.30	± 0.10
	1.25	50/0.18	14.60	1.47	0.30	0.20	2.47	± 0.10
	2.00	37/0.26	8.96	1.80	0.60	0.20	3.40	± 0.15
	3.50	45/0.32	5.64	2.48	0.60	0.25	4.18	± 0.15

Fabric thickness: 0.20 mm

Logo: No text

SAE colour disk

*facial coloration				
00-Black	01-White	02-Red	03-Yellow	04-Green
05-Blue	06-Brown	07-Grey	08-Orange	09-Purple

Pack

*pack				
Model	Packaging method-M/R			
2.0-3.5MM ²	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 500M	<input type="checkbox"/> 1000M
0.2-1.25MM ²	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input checked="" type="checkbox"/> 1000M

Pack by customer request