

CHARACTER:

1. Physical performance

a. Short-term aging: 200 ± 3 / 240H after aging, low temperature (-25 ± 2 °C / 4H) winding experiment, The voltage resistance experiment was performed. No visible exposed conductor after winding and should not be penetrated in voltage resistant experiments. Before applying the voltage, the sample shall be soaked in the saline bath for at least 10 min; Apply 1 kV (AC) voltage for 1 min without applying 1 kV (AC) voltage.

b. Low-temperature winding resistance: -40 ± 2 °C / 4H, winding the specified number of circles in the freezer. After winding, no visible exposed conductor. Then conduct the voltage resistance experiment, no breakdown.

c. Thermal shrinkage: 150 ± 3 °C / 15min, and the maximum shrinkage of insulation at any end shall not exceed 2mm.

d. Anti-flame retardant: sample 45 degrees dip, apply flame. For wires with a size no greater than 2.5 mm², After 15 s, the flame can be removed, for wires larger than 2.5 mm², after 30 s To revoke the flame. The combustion flame shall be extinguished within 70 s with at least 50 mm at the sample end Insulation shall remain unburned.

2. Electrical performance:

a. pressure test: The sample shall be immersed in saline for 4 hours, and both ends of the sample shall be extended to the liquid level. A 1kV test voltage is then applied between the conductor and the salt solution for 30min, and the voltage is increased at 500V / s:

- The wire with a conductor size less than 0.5mm² is 3kV;
- The wire with a conductor size of no less than 0.5mm² is 5kV Maintain the voltage for 5min without breakdown

3. Processing performance

- a, Suitable for all conventional wire harness processing processes
- b. Please inform us if you have special requirements

4. Environmental protection:

Compliance with ROHS / REACH

application:

Suitable for high-voltage cables for road vehicles

REFERENCE:

ISO6722

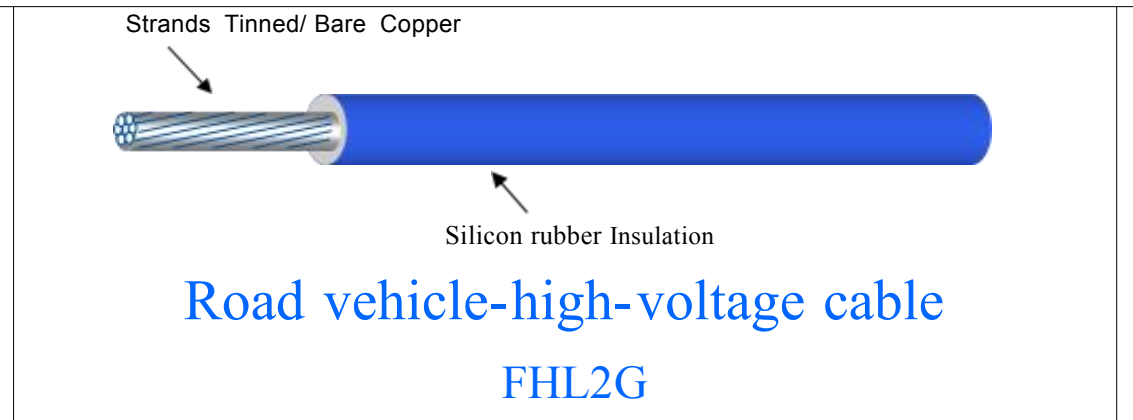
Outline:

Install wires inside to prevent collision and acute angle bending at high temperature.

3F product code:

eg: FHL2G-05000-16G

FHL2G,0.50mm², black, 16/0.20, Bare



Wire structure description:

Conductor: Tinned /Bare copper ;

Insulation materials: Silicon rubber Insulation

Road vehicle-high-voltage cable
Rated temperature: -40~180 °C rated voltage: 600Vac or1000Vdc

STYLE	mm ²	Conductor size(No./mm) ±0.005	Conduct or Dia(mm)	Conductor resistance 20°C (Ω/Km)	insulation thickness(mm)		Overall diameter (mm)	
					Nom	Min	Nom	Tol
FHL2G	0.50	16/0.2	0.92	37.10	0.60	0.45	2.12	±0.10
	0.75	24/0.2	1.13	24.70	0.60	0.45	2.34	±0.10
	1.0	32/0.2	1.31	18.50	0.60	0.45	2.52	±0.10
	1.5	30/0.25	1.58	12.70	0.60	0.45	2.80	±0.15
	2.5	50/0.25	2.04	7.60	0.70	0.55	3.44	±0.15
	4.0	56/0.3	2.60	4.71	0.80	0.65	4.20	±0.15
	6.0	7/12/0.3	3.60	3.14	0.80	0.65	5.20	±0.15
	6.0	7/27/0.2	3.60	3.14	0.80	0.65	5.20	±0.15
	8.0	7/37/0.2	4.20	2.23	0.80	0.65	5.80	±0.15
	10.0	1/14/0.4+6/11/0.4	4.80	1.82	1.0	0.80	6.80	±0.20
	16.0	7/18/0.40	5.88	1.16	1.0	0.80	7.88	±0.30
	25.0	7/28/0.40	7.33	0.743	1.3	1.04	9.93	±0.30
	35.0	1/42/0.4+6/39/0.4	8.70	0.527	1.3	1.04	11.30	±0.30
	35.0	7/154/0.2	8.60	0.527	1.3	1.04	11.20	±0.30

Marking: NO.

SAE COLOR SERIES

* STOCK COLOR CHART				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09- VIOLET

PACKAGE

*PACKAGE				
Part No.	Packing- Ft/roll			
0.5-1.0mm ²	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 500M	<input type="checkbox"/> 1000M
1.5-4.0mm ²	<input type="checkbox"/> 100M	<input checked="" type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input type="checkbox"/> 1000M
6.0-16.0mm ²	<input checked="" type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input type="checkbox"/> 1000M
25.0-35.0mm ²	<input checked="" type="checkbox"/> 50M	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M

According to customer requirements for packaging packaging