

**Characteristic:**

**1.Physical properties**

- a、 Low temperature winding:-40℃±2℃/4H, freezing box does not crack, and is subjected to 1min 1kV withstand voltage inspection without breakdown.
- b、 Short-term aging: 125℃±3℃/240H,winding test was carried out in a freezer with a temperature of-25℃±2℃, without cracking, and then subjected to 1min 1kV withstand voltage inspection without breakdown
- c、 thermal contraction:Place it horizontally in an oven with a test temperature of 150℃±3℃ for not less than 15 min. After the test, the shrinkage of either end of the insulation shall not exceed 2 mm.
- d、 Thermal overload: Carry out thermal overload for 6 hours in an oven at 150+/-2 deg c, then carry out winding experiment without cracking, and then undergo 1min 1kV withstand voltage inspection without breakdown.
- e:Delayed ignition resistance: After removing the flame, it will extinguish itself within 70 seconds, leaving at least 50mm unburned insulator at the upper end of the sample.
  - Wire with nominal cross-sectional area not more than 2.5mm2 shall be removed after flame is applied to the wire for 15s;
  - Wire with a nominal cross-sectional area greater than 2.5mm2 shall be removed after flame is applied to the wire for 30s.

**2. Electrical performance**

- a、 rated temperature: -40℃-100℃(or PVC insulation, it can reach 105℃)  
rated voltage: 60Vdc
- b、 Spark test: No breakdown occurs when passing through the test electrode. Spark test voltage is:
  - 3kV, Used for wires with nominal cross-sectional area less than 0.5mm2
  - 5kV, For wires with a nominal cross-sectional area of not less than 0.5mm2
- c、 withstand voltage: The sample is immersed in saline water for 4 hours, and is subjected to a test of 1kV AC voltage for 30 min, and then the voltage is increased to the following voltage value at a rate of 500 V/s without breakdown.
  - 3kV, Used for wires with nominal cross-sectional area less than 0.5mm2
  - 5kV, For wires with a nominal cross-sectional area of not less than 0.5mm2

**3、 Environmental protection**

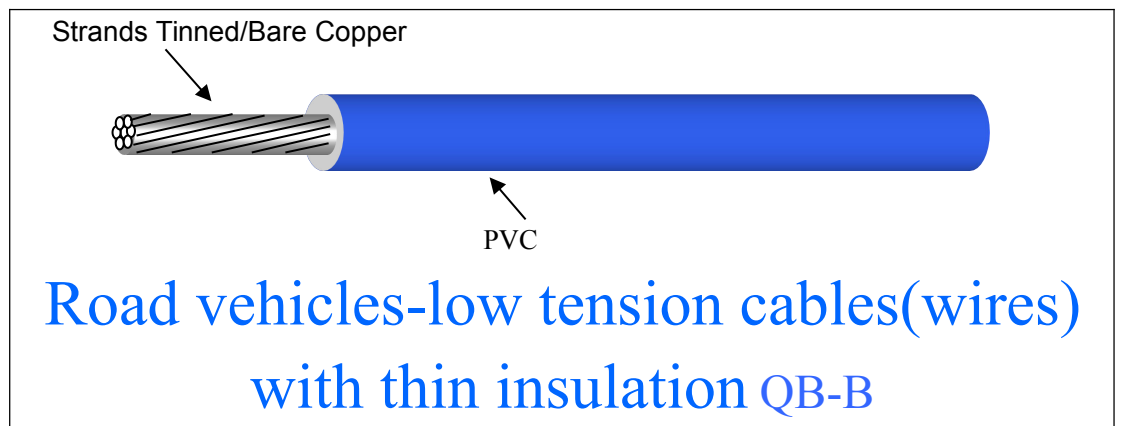
in line with ROHS/REACH

**4、 SHOULD BE USED:**

Low voltage cable with thin wall insulation for Road vehicles

**5、 REFERENCE:**

QC-T 730-2005



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: PVC Insulation

Road vehicles-low tension cables(wires) with thin insulation  
Rated temperature: 100℃ rated voltage: 60Vdc

STYLE	mm2	Conductor size (No./ mm) ±0.005mm	Conductor Dia.(mm)	Conductor resistance 20℃ (Ω/Km)		insulation thickness (mm)		Overall diameter (mm)	
				Bare	Tin.	Nom	min	Nom	Tole.
QB-B	0.13	7/0.16	0.48	136	140	0.25	0.20	0.95	±0.10
	0.22	7/0.20	0.61	84.4	86.5	0.25	0.20	1.10	±0.10
	0.35	7/0.26	0.79	54.4	55.5	0.25	0.20	1.30	±0.10
	0.50	16/0.20	0.92	37.1	38.2	0.28	0.22	1.50	±0.10
	0.75	24/0.20	1.13	24.7	25.4	0.30	0.24	1.75	±0.10
	1	32/0.20	1.30	18.5	19.1	0.30	0.24	1.90	±0.15
	1.5	30/0.25	1.58	12.7	13.0	0.30	0.24	2.20	±0.15
	2	65/0.20	1.86	9.42	9.69	0.35	0.28	2.55	±0.15
	2	19/0.374	1.88	9.42	9.69	0.35	0.28	2.58	±0.15
	2.5	50/0.25	2.04	7.60	7.82	0.35	0.28	2.75	±0.15
	3	65/0.25	2.33	6.15	6.36	0.40	0.32	3.15	±0.20
	4	56/0.30	2.60	4.71	4.85	0.40	0.32	3.40	±0.20
	5	70/0.30	2.90	3.94	4.02	0.40	0.32	3.70	±0.20
	6	7/12/0.30	3.60	3.14	3.23	0.40	0.32	4.40	±0.20
	10	1*8/0.4+ 6*12/0.4	4.50	1.82	1.85	0.60	0.48	5.70	±0.20
	16	7/18/0.40	5.88	1.16	1.18	0.65	0.52	7.20	±0.20
25	7/28/0.40	7.34	0.743	0.757	0.65	0.52	8.65	±0.20	

Sign: NO MARKING

**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- M/roll			
0.13~1.25mm2	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input checked="" type="checkbox"/> 1000M
1.5~4.0mm2	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 500M	<input type="checkbox"/> 1000M
6.0~10.0mm2	<input type="checkbox"/> 100M	<input checked="" type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input type="checkbox"/> 1000M
16~25mm2	<input checked="" type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input type="checkbox"/> 1000M

According to customer requirements for packaging packaging

