

CHARACTER:

1.Physical performance

- a. Insulation detachability: The insulation should be able to completely detach at least 20mm section.
- b. Heat shrinkage: 100 mm samples are placed horizontally in an oven at 150±3℃ for 15 min, then cooled to 23±5℃ with a maximum shrinkage of no more than 2 mm at each end.
- c. Low temperature curl test: -40±2℃/4h, no cracks on the surface of the sample is qualified
- d. Flame retardancy: hang the 600mm sample at a 45 degree angle to the ground in a non-piercing environment, the fire supply time is 30 seconds, the flame of the burning insulation must be extinguished within 70 seconds after the blowtorch is removed, and the minimum 50mm insulation at the end remains unburned.

2.Electrical Properties

- a. rated temperature: 100℃
 - b. 30 minutes withstand voltage test: no breakdown occurs when any test voltage is applied to the cable.
- The sample was immersed in salt solution (1 liter solution containing (30±5)g NaCl) at room temperature for 4 hours, and the two ends of the sample should extend out of the liquid level. Then the test voltage of 1kV effective value (frequency 50 ~ 60Hz) sine waveform was applied between the conductor and the salt solution for 30 minutes. The voltage is then boosted at a rate of 0.5kV/s until it reaches 3kV(conductor nominal section < 0.5mm²) or 5kV(conductor nominal section ≥0.5mm²).

3.Processing properties

- a、 Using the hot extrusion processing
- b、 Can be twisted pair and multi-core
- c、 Good processing properties Harness
- d、 Harness processing process good compatibility
- e、 According to ISO standard design

4.Environmental protection

- a、 ROHS/REACH compliant

SHOULD BE USED:

Low voltage cable with thin wall insulation for road vehicles, Thin wall

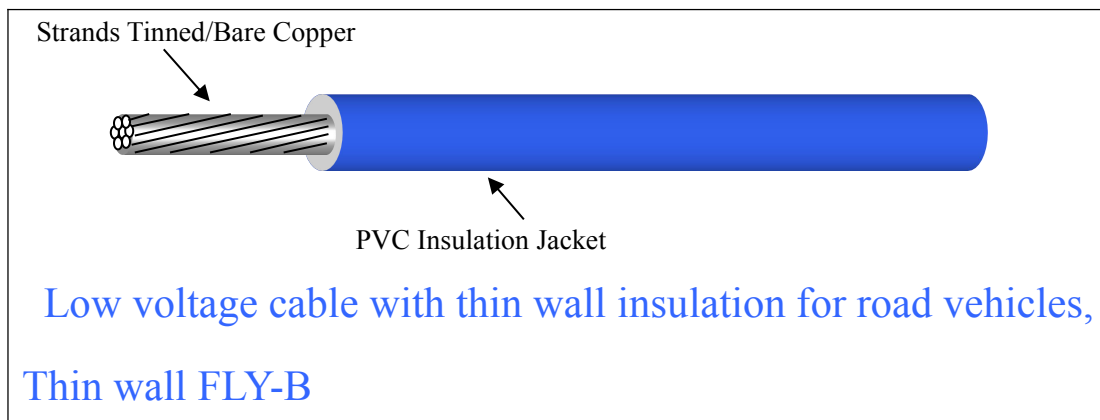
REFERENCE:

ISO 6722-3/2006,class B/Thick wall according to ISO 6722,class B

Outline:

3F product code:

eg: FLY-B-03500-12G
FLY-B, 0.35mm ² , BLACK, 12/0.2, Bare



Wire structure description:
 Conductor: Tinned/Bare copper ;
 Jacket insulation materials: PVC Insulation

Appliances with internal , No more than -40~100℃ temperature of conductor occasion
 Rated temperature: -40~100℃

Part No.	Standard MM ²	Conductor SIZE (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	insulation hickness (mm)		Overall diameter(mm)	
					Nom	Min	Nom	Max
FLY-B	0.35	12/0.20	52.00	0.80	0.60	0.44	1.92	2.10
	0.50	16/0.20	37.10	0.92	0.60	0.44	2.10	2.30
	0.75	24/0.20	24.70	1.13	0.60	0.44	2.30	2.50
	1.00	32/0.20	18.50	1.30	0.60	0.44	2.50	2.70
	1.50	30/0.254	12.70	1.60	0.60	0.44	2.80	3.00
	2.50	50/0.254	7.60	2.07	0.70	0.53	3.40	3.60
	4.0	56/0.30	4.70	2.59	0.80	0.62	4.20	4.40
	6.0	84/0.30	3.10	3.18	0.80	0.62	4.80	5.00
	10	80/0.40	1.82	4.13	1.00	0.80	6.20	6.50
	16	126/0.40	1.16	6.00	1.00	0.80	8.00	8.30
	25	196/0.40	0.743	7.47	1.30	1.07	10.10	10.40
35	266/0.405	0.352	8.80	1.30	1.07	11.40	11.70	
								276/0.4

Conductor tolerance: +/-0.005mm

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			
0.35~1.0mm ²	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input type="checkbox"/> 1000M	<input checked="" type="checkbox"/> 2000M
1.5~4.0mm ²	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input checked="" type="checkbox"/> 1000M	<input type="checkbox"/> 2000M
6.0~35mm ²	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 500M	<input type="checkbox"/> 1000M	<input type="checkbox"/> 2000M



According to customer requirements for packaging packaging