

Features:

1.Physical properties

a. Flame retardancy: The finished wire is taken from a 600 mm long sample suspended in an incompletely closed test hood to tension the sample at an angle of 45° to the ground. The test hood allows sufficient combustion of air to flow in, but must not be worn. wind. The burner tube of the combustion box produces a gas flame of 100 mm and an inner flame of 1/2 height. The flame temperature is as low as 950 °C. The tip of the inner flame is applied at the midpoint of the sample. The ignition time is 30 seconds. After the tube flame, the sample must not continue to burn for more than 30 seconds.

b. Dynamic bending: After being exposed to the oven at 136±2°C for 2 days, put it into the low temperature box of -40±2°C for 4 hours, and the 300-time bending single line does not break.

2. Electrical performance

a. Withstand voltage test: The sample was immersed in an aqueous solution of sodium chloride with a mass fraction of 3%. After 4 hours, a test voltage of 1 kV (AC) was applied between the conductor and the water bath for 30 min, and then the voltage was increased to the following voltage at a rate of 500 V/s. value:

- The wire with a conductor size less than 0.5mm² is 3kV;
- 5kV wire with conductor specification of not less than 0.5mm²

3. Processing performance

- a. suitable for all conventional wire harness processing
- b. If you have special needs, please let us know.

4. Environmental protection

- a. in line with ROHS/REACH

Application:

Thin-wall insulated road traffic vehicle circuit system line

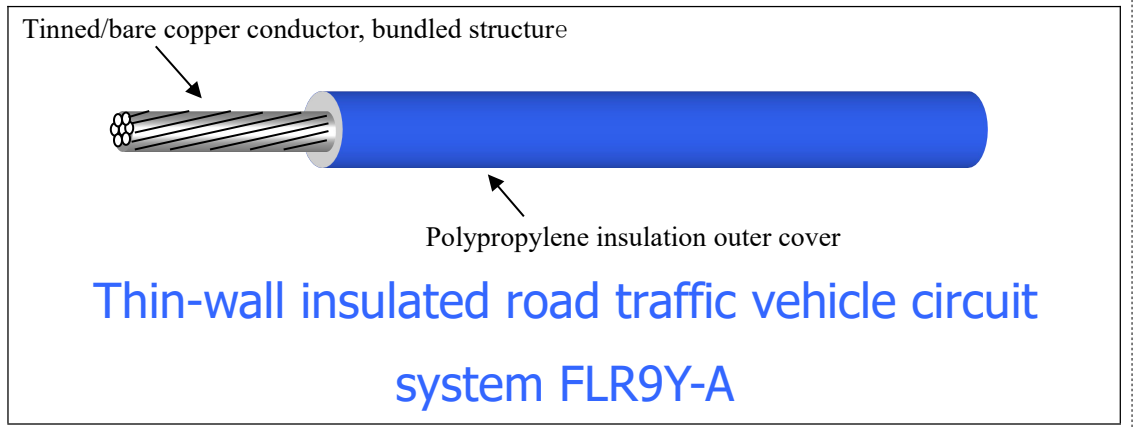
Guideline :

DIN 72551-6, ISO6722

Overview:

Thin-wall insulated road traffic vehicle circuit system line

Serial number	change content	confirm	date	prepared by	Zhang Heng
A/0	First release	Jin Biao	2018.12.04	Review	Chen Lin
				Approve	
				Date of preparation	2018.12.04



Wire structure description:
Conductor structure: tinned, bare copper conductor
Insulation material of the sheath: polypropylene

Thin-wall insulated road traffic vehicle circuit system with single-core conductor unsheathed cable with conductor temperature of 105 °C FLR9Y-A
Rated temperature: 105°C rated voltage: 25Vac/60Vdc

STYLE	standard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20°C (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom	Min.	Min	Max
FLR9Y -A	0.22	7/0.20	84.8	0.61	0.27	0.20	1.15	±0.05
	0.35	7/0.254	52.0	0.77	0.24	0.20	1.25	±0.05
	0.50	19/0.19	37.1	0.95	0.27	0.22	1.50	±0.10
	0.75	19/0.23	24.7	1.16	0.32	0.24	1.80	±0.10
	1.0	19/0.25	18.5	1.26	0.37	0.24	2.00	±0.10
	1.5	19/0.30	12.7	1.51	0.40	0.24	2.30	±0.10
	2.5	19/0.41	7.60	2.06	0.40	0.28	2.85	±0.15

Logo:

1, printing: no

2, label identification: manufacturer, model, specifications, rated temperature resistance, rated pressure, insulation materials, color, packaging length, Production Date

3F product code:

E.g: FLR9Y-A-03500-07
FLR9Y-A Car line, 0.35mm ² , black, 7/0.254, Tin plating

SAE COLOR SERIES

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

PACKAG

PACKAG			
Part No.	Packing- FT/roll		
0.22~1.0mm ²	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input checked="" type="checkbox"/> 1000M
1.5~2.5mm ²	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 500M	<input type="checkbox"/> 1000M

According to customer requirements for packaging packaging

