

CHARACTER:

1.Physical performance

a. Insulation detachability: The insulation should be able to completely detach at least 20mm section.

b. Insulation adhesion force: the force required to strip the remaining (50±1)mm insulation is within the limit value listed in the table.

mm ²		0.35	0.5	0.75	1	1.5	2.5	4	6
Release force (N)	min	3	5		10		15		
	max	30	40		80		120		

Note: This verification is not done for models above 6.0mm²

c. Insulation wear-resisting strength: the number of times the insulation is worn out is at least equal to the value listed in the last row of the table.

mm ²	0.35	0.5	0.75	1	1.5	2.5	4	6
Route mm	10±2							
Circulation min ⁻¹	50~60							
Speed	Accelerate or decelerate at a constant speed or by a sine wave							
Power N	7±0.05							
Period	200	300	350	500	1500			

Note: This verification is not done for models above 6.0mm²

d. Thermal shrinkage: the insulation can only shrink by 4% at most in the length direction, and cracks are not allowed.

e. low temperature impact test: -20±2℃, 1h, with 100g drop hammer from the height of 100mm impact sample, sample no damage.

f. Flame retardancy: The sample is suspended at a 45° angle from the ground in a draft-free environment, and the ignition time is 30s. The burning insulation flame must be extinguished within 30s after the flame is removed.

2.Electrical Properties

a. 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、 Suitable for all conventional wire harness machining processes
- b、 Please advise if you have special needs

4.Environmental protection

- a、 ROHS/REACH compliant

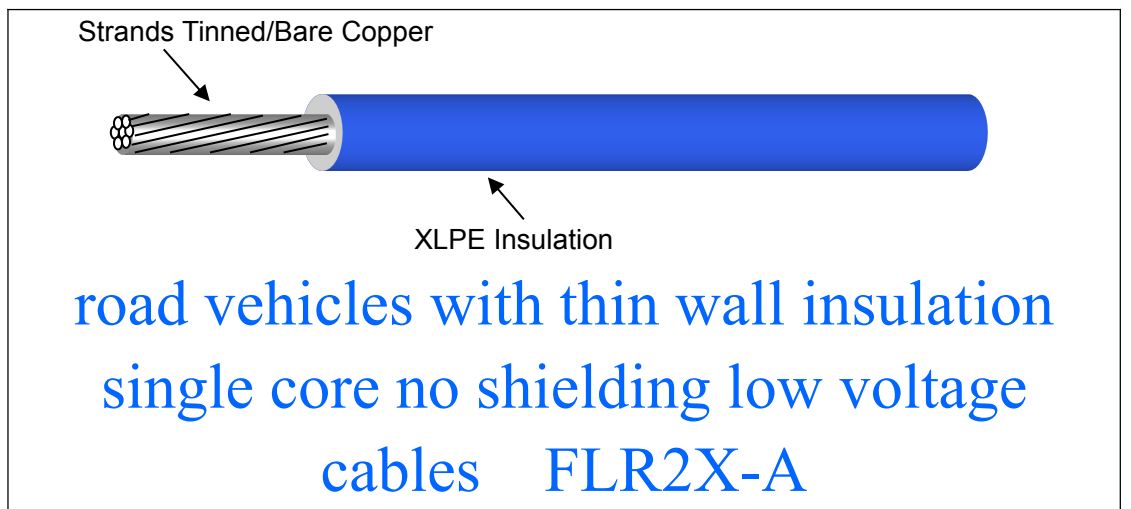
SHOULD BE USED:

Suitable for thin-walled insulated single-core unshielded low-voltage cables for road vehicles

REFERENCE:

DIN 72551-6

Outline:



Wire structure description:

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

Ground vehicles with low voltage electric system primary cable
Rated temperature: -40~125℃ rated voltage: 60Vac or 25Vdc

STYLE	mm ²	Conductor size (No./ mm) ±0.005mm	Conductor Dia.(mm)	Conductor resistance 20℃ (Ω/Km)		insulation thickness (mm) Nom.	Overall diameter (mm) Nom. tolerance
				Bare	tin.		
FLR2X-A	0.22	7/0.20	0.60	84.80	86.5	0.25	1.10-1.20
	0.35	7/0.254	0.76	54.5	55.5	0.25	1.20-1.30
	0.50	19/0.19	0.95	37.10	38.2	0.30	1.40-1.60
	0.75	19/0.23	1.15	24.70	25.4	0.30	1.70-1.90
	1.0	19/0.25	1.25	18.50	19.1	0.40	1.90-2.10
	1.5	19/0.30	1.50	12.70	13.0	0.40	2.20-2.40
	2.0	19/0.36	1.80	9.42	9.69	0.40	2.40-2.60
	2.5	19/0.41	2.05	7.60	7.80	0.40	2.70-3.00
	4.0	56/0.30	2.60	4.71	4.85	0.48	3.40-3.70
5.0	65/0.32	2.98	3.41	3.54	0.53	3.90-4.20	

Marking:

3F product code:

Eg: FLR2X-A-02200-07G
FLR2X-A, 0.22mm ² , black, 7/0.2, bare

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				3F
0.22~1.0mm ²	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M	<input checked="" type="checkbox"/> 1000M	
1.5~2.5mm ²	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 500M	<input type="checkbox"/> 1000M	

According to customer requirements for packaging packaging