

Illustrate

- This specification applies to insulation polyvinyl chloride insulate low-voltage wires (Let’s call it a wire) used in automobiles, Material, construction and processing methods are in accordance with the table of specifications and the following provision:
- 2-1 Made of soft copper single wires stranded in accordance with JIS C3102
- 2-2 Insulation: on the conductor mentioned in Section 2-1. A layer of PVC insulation is extruded, and the average thickness of the insulation in a concentric circle with the conductor is more than 90% of the value in the appendix. The minimum measured value must be more than 80% of the value in appendix.

Product Description

- 3-1 stamping mark: Stamp two or one straight line on the surface of the wire along the axis of the wire in such a way that it does not disappear easily.
- 3-2 Printing mark: Print on the surface of the wire along the direction of the in a way that will not disappear easily.
(Example: AVS-0.30, AVS-050, etc.)
- 3-3 Printing dot mark: Print one or two dots on the surface of the wire along the axis of the wire in a way that will not disappear easily.

Thin insulation low voltage wire for automobiles AVS Thin-walled low-voltage wire for automobile					
Conductor		Insulation Thickness (mm)	Overall Diameter (mm)		Maximum Conductor Resistance (Ω/km)
Cross section (mm ²)	No./mm		Standard	Max	
0.30	7/0.260	0.50	1.70	1.90	50.1
0.30	12/0.180		1.85	1.95	51.2
0.50	7/0.320		2.00	2.10	36.7
0.85	16/0.260		2.10	2.30	22.0
0.85	11/0.320			2.30	20.8
1.25	16/0.320		2.40	2.60	14.3
2.00	26/0.320		2.80	3.10	8.89
2.00	39/0.254		3.00	3.30	8.81
3.00	41/0.320		0.60	3.50	3.80
5.00	65/0.320	0.70	4.30	4.60	3.52

Note: AV = Low-voltage PVC insulation wire for wire for automobile S: Thin insulation

AVSS							
Conductor		Insulation Thickness (mm)	Overall Diameter (mm)		Maximum Conductor Resistance (Ω /km)	Abrasion test	
Cross section (mm ²)	No./mm		Standard	Max		Load value (g)	Abrasion (mm)
0.30	7/0.260	0.30	1.40	1.50	50.2	250	457
0.50	7/0.320		1.60	1.70	36.7		
0.85	19/0.240		1.80	1.90	22.0		535
1.25	19/0.290		2.10	2.20	14.9		560
2.00	37/0.260	0.40	2.60	2.70	9.50	750	305

Note: AV = Low-voltage PVC insulation wire for automobile SS: stands for ultra-thin insulation