

**characteristic:**

**1.physical property**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Good low temperature softness
- d、Good fire resistance
- e、High chemical resistance
- f、Good chemical stability
- g、Good resistance to high temperature of fluid engine
- h、Excellent thermal shock resistance

**2.Electrical performance**

- a、Good electrical insulation
- b、Good dielectric properties

**3.Processability**

- a、Using hot extrusion process
- b、Can be twisted pair and multi-core stranded
- c、design according to UL
- d、Good wire harness processing performance
- e、Good compatibility in the processing of wire harness

**4.environmental protection**

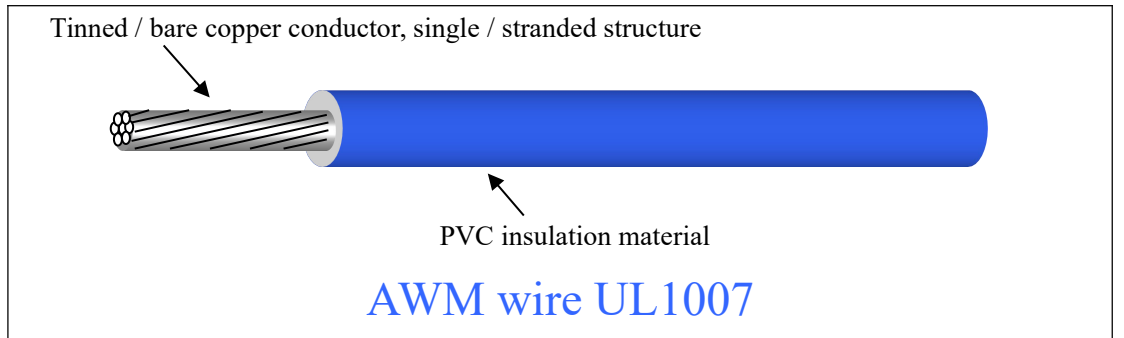
- a、accord with ROHS/REACH

**Application:**

General commercial electronic, electronic and electrical equipment and instruments internal connecting wire.

**Reference standards:**

UL758-2010、UL1581-2009



**Structure description:**

Conductor structure: Tinned / bare conductor  
Insulation material: PVC insulation

For internal wires of electrical appliances, AWM wire when the conductor temperature does not exceed 80 °C  
Rated temperature: 80 °C rated voltage: 300V

model	size AWG	Conductor structure (branch/mm) ±0.005	20°C Conductor maximum resistance (Ω/Km)	Conductor diameter (mm)	Insulation thickness(mm)		overall diameter (mm)	
					average value	Min value	average value	tolerance
1007	16	26/0.254	14.60	1.50	0.40	0.33	2.30	±0.1
	18	16/0.254	23.20	1.17	0.40	0.33	1.95	±0.1
	18	34/0.18	23.20	1.21	0.40	0.33	2.00	±0.1
	18	41/0.16	23.20	1.18	0.40	0.33	1.98	±0.1
	18	1/1.02	23.20	1.02	0.40	0.33	1.82	±0.1
	20	21/0.18	36.70	0.95	0.40	0.33	1.75	±0.1
	20	1/0.813	36.70	0.813	0.40	0.33	1.60	±0.1
	20	26/0.16	36.70	0.94	0.40	0.33	1.75	±0.1
	20	10/0.254	36.70	0.93	0.40	0.33	1.75	±0.1
	20	19/0.20	36.70	1.00	0.40	0.33	1.80	±0.1
	22	1/0.65	58.40	0.65	0.40	0.33	1.45	±0.1
	22	7/0.254	59.40	0.77	0.40	0.33	1.56	±0.1
	22	17/0.16	59.40	0.76	0.40	0.33	1.56	±0.1
	24	1/0.51	89.3	0.51	0.40	0.33	1.31	±0.1
	24	7/0.2	94.2	0.61	0.40	0.33	1.41	±0.1
	24	11/0.16	94.20	0.61	0.40	0.33	1.41	±0.1
	26	7/0.16	150.00	0.48	0.40	0.33	1.28	±0.1
	26	1/0.40	143.00	0.40	0.40	0.33	1.20	±0.1
	28	7/0.127	239.00	0.38	0.40	0.33	1.18	±0.1
	30	1/0.254	381.00	0.254	0.40	0.33	1.05	±0.1
30	7/0.10	381.00	0.30	0.40	0.33	1.10	±0.1	

Diameter tolerance of single stranded conductor ± 0.005mm;  
diameter tolerance of solid conductor ± 0.01mm

**Mark on wire:** E211048 AWM STYLE 1007 NO.AWG 80 °C 300V VW-1 PVC QIFURUI C AWM I A 80 °C 300V FT1 -LF-  
**OR:** E211048 AWM STYLE 1007 NO.AWG 80 °C 300V VW-1 PVC QIFURUI 221756 CSA AWM I A 80 °C 300V FT1 -LF-

**SAE Color board**

*color list				
00-BL	01-WH	02-RE	03-YE	04-GR
05-BL	06-BR	07-GR	08-OR	09-PU

*packing			
SIZE	Packing method- Ft/roll		
16AWG	<input type="checkbox"/> 100Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
18~30AWG	<input type="checkbox"/> 100Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft

Customized according to your needs