

**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:**

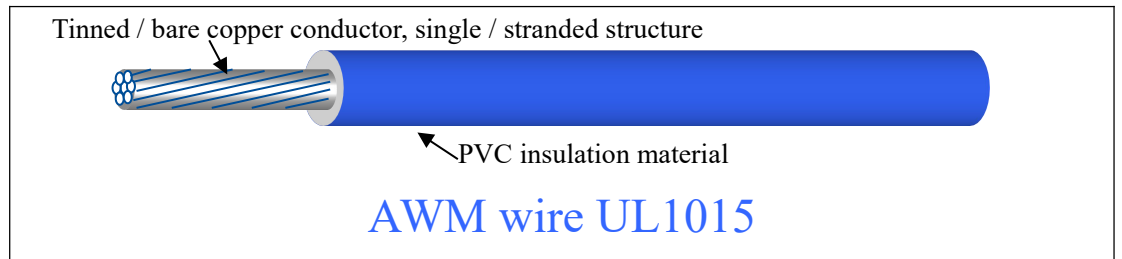
General commercial electronic, electronic and electrical equipment and instruments internal connecting wire.

**Reference standards:**

UL758-2010、UL1581-2009

**包装**

*packing			
size	Packing method- Ft/roll		
9-10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft
12~16AWG	□ 500Ft	■ 1000Ft	□ 2000Ft
18~30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft
Customized according to your needs			



**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 105 °C  
Rated temperature: 105 °C rated voltage: 600V

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
1015	9	133/0.254	2.813	3.38	0.80	0.69	4.98	±0.15
	10	105/0.254	3.54	3.00	0.80	0.69	4.60	±0.15
	10	1/2.6	3.54	2.60	0.80	0.69	4.20	±0.15
	11	82/0.254	4.48	2.66	0.80	0.69	4.26	±0.15
	12	65/0.254	5.64	2.40	0.80	0.69	4.00	±0.15
	12	19/0.5	5.64	2.52	0.80	0.69	4.12	±0.15
	12	1/2.05	5.64	2.05	0.80	0.69	3.65	±0.15
	14	1/1.63	8.78	1.63	0.80	0.69	3.23	±0.15
	14	19/0.374	8.96	1.88	0.80	0.69	3.50	±0.15
	14	41/0.254	8.96	1.92	0.80	0.69	3.52	±0.15
	16	1/1.29	14.0	1.29	0.80	0.69	2.90	±0.15
	16	19/0.30	14.60	1.51	0.80	0.69	3.10	±0.1
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.1
	16	65/0.16	14.60	1.50	0.80	0.69	3.10	±0.1
	18	41/0.16	23.20	1.17	0.80	0.69	2.75	±0.1
	18	34/0.18	23.20	1.21	0.80	0.69	2.80	±0.1
	18	16/0.254	23.20	1.17	0.80	0.69	2.75	±0.1
	18	7/0.39	23.20	1.19	0.80	0.69	2.80	±0.1
	18	1/1.02	23.20	1.02	0.80	0.69	2.62	±0.1
	20	1/0.813	23.20	0.813	0.80	0.69	2.41	±0.1
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.1
	20	7/0.30	36.70	0.92	0.80	0.69	2.55	±0.1
	20	26/0.16	36.70	0.94	0.80	0.69	2.55	±0.1
	22	17/0.16	59.40	0.76	0.80	0.69	2.36	±0.1
	22	7/0.254	59.40	0.77	0.80	0.69	2.36	±0.1
	22	1/0.65	56.40	0.65	0.80	0.69	2.25	±0.1
	24	7/0.20	94.20	0.61	0.80	0.69	2.20	±0.1
	24	11/0.16	94.20	0.61	0.80	0.69	2.20	±0.1
	24	1/0.51	89.30	0.51	0.80	0.69	2.10	±0.1
	26	7/0.16	150.00	0.48	0.80	0.69	2.10	±0.1
28	7/0.127	239.00	0.38	0.80	0.69	1.98	±0.1	
30	7/0.10	381.0	0.30	0.80	0.69	1.90	±0.1	

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

**Mark on wire :** E211048 AWM STYLE1015 NO.AWG105°C 600V VW-1 PVC QIFURUI AWM IA 105°C 600V FT1 -LF-  
OR: E211048 AWM STYLE 1015 NO. AWG 105°C 600V VW-1 PVC QIFURUI 221756 CSA AWM IA 105°C 600V FT1 -LF-  
E307603 (UL) MTW NO.AWG 105°C 600V VW-1 OR E211048 AWM STYLES 1015 105°C 600V FT1 -LF-

**SAE Color board**

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