

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

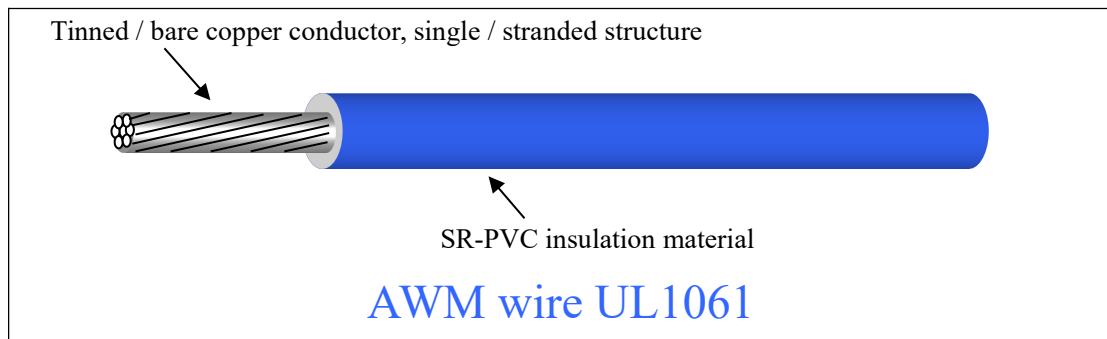
- a、accord with ROHS/REACH

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
1061	14	41/0.254	8.96	1.90	0.35	0.26	2.60	±0.15
	16	26/0.254	14.60	1.50	0.35	0.26	2.20	±0.1
	18	1/1.02	22.20	1.02	0.25	0.18	1.52	±0.1
	18	16/0.254	23.20	1.17	0.25	0.18	1.65	±0.1
	20	21/0.18	36.70	0.95	0.25	0.18	1.45	±0.1
	22	17/0.16	59.40	0.76	0.25	0.18	1.26	±0.1
	22	7/0.254	59.40	0.78	0.25	0.18	1.26	±0.1
	22	1/0.65	56.40	0.65	0.25	0.18	1.15	±0.1
	24	7/0.20	94.20	0.61	0.25	0.18	1.10	±0.1
	24	1/0.51	89.30	0.51	0.25	0.18	1.00	±0.1
	24	11/0.16	94.20	0.61	0.25	0.18	1.10	±0.1
	26	7/0.16	150.00	0.48	0.25	0.18	0.98	±0.1
	28	1/0.32	239.00	0.32	0.25	0.18	0.82	±0.1
28	7/0.127	239.00	0.38	0.25	0.18	0.88	±0.1	
30	7/0.10	361.00	0.31	0.25	0.18	0.81	±0.1	

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

Mark on wire: E211048 AWM STYLE 1061 NO.AWG 80 °C 300V VW-1 SRPVC QIFURUI
c. AWM I A 80 °C 300V FT1 -LF-

OR: E211048 AWM STYLE 1061 NO. AWG 80 °C 300V VW-1 SRPVC QIFURUI 221756 CSA
AWM I A 80 °C 300V FT1 -LF-

SAE Color board

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

PACKING

*PACKING				
size	PACKING Method- Ft/roll			
10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft	
12~16AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
18~30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	
Customized according to your needs				