

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

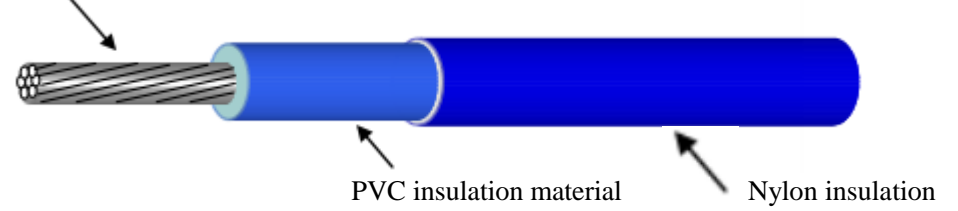
Application:

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

Reference standards:

UL758-2010、UL1581-2009

Tinned / bare copper conductor, single / stranded structure conductor



AWM wire UL1452/ UL1316

Structure description:

Conductor structure: Tinned / bare conductor

Insulation material: PVC insulation+ Nylon jacket

For internal wires of electrical appliances, AWM wire when the conductor temperature does not exceed 90 °C
 Rated temperature: 90/105 °C rated voltage: 600V/1000V

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
12	65/0.254	5.64	2.42	0.4	0.1	3.36	±0.15
14	41/0.254	8.96	1.92	0.1	0.1	2.90	±0.15
16	26/0.254	14.6	1.50	0.4	0.1	2.50	±0.1
18	16/0.254	23.2	1.17	0.4	0.1	2.16	±0.1
18	1/1.02	22.2	1.02	0.4	0.1	2.02	±0.1
20	21/0.18	36.7	0.95	0.4	0.1	1.92	±0.1
22	17/0.16	59.4	0.76	0.4	0.1	1.76	±0.1
24	11/0.16	94.2	0.61	0.4	0.1	1.61	±0.1
26	7/0.16	150	0.48	0.4	0.1	1.48	±0.1

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

Mark on wire: : E211048 UL AWM STYLE 1452 NO.AWG 90°C 1000V PVC(NYLON)
 QIFURUI cUL AWM I A 90°C 1000V FT2 -LF-

SAE Color board

*color list				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEM
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09- PURPLE

Packing		*packing		3F
SIZE	Packing method- Ft/roll			
12AWG	<input type="checkbox"/> 250Ft	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 2000Ft	
14~26AWG	<input type="checkbox"/> 100Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	

Customized according to your needs