

**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

**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

**4.environmental protection**

- a、Low smoke and halogen-free
- b、accord with ROHS/REACH

**application:**

AWM, Internal wiring of equipment

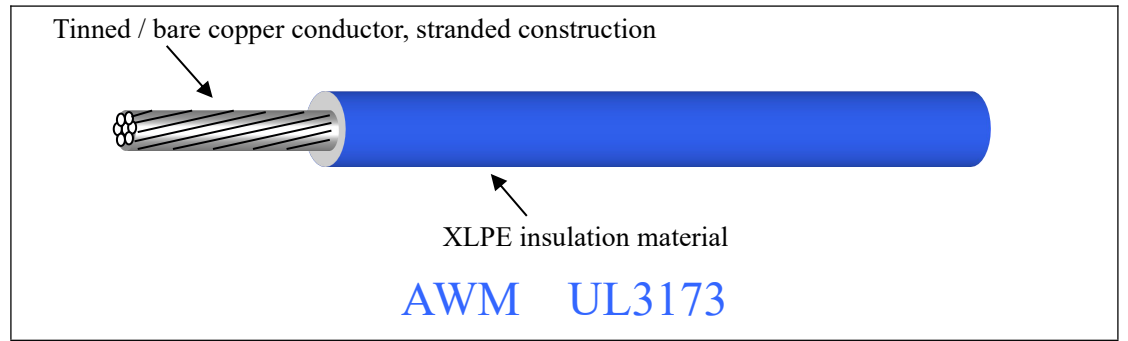
**Reference standards:**

UL758-2010、UL1581-2009

**packing**

*packing				
wire size	Packing method- Ft/roll			
9-10AWG	<input type="checkbox"/> 250Ft	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
12~16AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
18~26AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft

Also can customized



**Structure description:**

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

Internal wiring of equipment, polyethylene insulated wire with conductor temperature not exceeding 125 °C  
Rated temperature: 125 °C rated voltage: 600V

model	size AWG	Conductor structure (branch/mm)	Conductor resistance 20°C (Ω/Km)	Conductor diameter( mm)	Insulation thickness (mm)		overall diameter (mm)	
					average value	Min value	average value	tolerance
3173	9	132/0.254	2.813	3.37	0.80	0.69	4.97	±0.15
	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
	12	65/0.254	5.64	2.36	0.80	0.69	3.95	±0.15
	12	19/0.50	5.64	2.52	0.80	0.69	4.12	±0.15
	13	52/0.254	7.10	2.12	0.80	0.69	3.72	±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	3.45	±0.15
	14	41/0.254	8.96	1.88	0.80	0.69	3.45	±0.15
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.10
	16	65/0.16	14.60	1.49	0.80	0.69	3.09	±0.10
	18	16/0.254	23.20	1.17	0.80	0.69	2.75	±0.10
	18	41/0.16	23.20	1.18	0.80	0.69	2.78	±0.10
	18	34/0.18	23.20	1.21	0.80	0.69	2.80	±0.10
	20	10/0.254	36.70	0.93	0.80	0.69	2.53	±0.10
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.10
	20	26/0.16	36.70	0.95	0.80	0.69	2.55	±0.10
	20	1/0.813	35.20	0.813	0.80	0.69	2.41	±0.10
22	17/0.16	59.40	0.76	0.80	0.69	2.35	±0.10	
22	1/0.65	56.40	0.65	0.80	0.69	2.25	±0.10	
24	11/0.16	94.20	0.61	0.80	0.69	2.20	±0.10	
26	7/0.16	150.00	0.48	0.80	0.69	2.08	±0.10	

**Mark on wire:** E211048 AWM STYLE 3173 NO.AWG 125°C 600V VW-1 XLPE QIFURUI AWM I A 125°C 600V FT2 -LF-  
E211048 AWM STYLE 3173 NO.AWG 125°C 600V XLPE QIFURUI AWM I A 125°C 600V FT2 -LF-  
OR: E211048 AWM STYLE 3173 NO. AWG 125°C 600V XLPE QIFURUI 221756 CSA AWM I A 125°C 600V FT2 -LF-

**SAEColor board**

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

