

CHARACTER:

1. Physical performance

a. excellent mechanical properties:

Tensile strength ≥ 24.1MPa, elongation at break ≥ 100%

After aging:

Condition: 168 ± 1.0°C / 168H

Tensile strength residual rate ≥ 50% elongation at break ≥ 50%

b. Flame retardancy: VW-1, vertical combustion, burning 5 times, each time 15S, any residual flame is not more than 60S

c. Low temperature bending: -10°C ± 2°C / 4H, no crack on the surface of the sample is qualified

2. Electrical Properties

a. Rated temperature: 200°C **Rated voltage:** No voltage rating

b. Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 3.0KV

c. dielectric withstand voltage: 2.0KV, 60 seconds without breakdown

3. Processing properties

a. Using the hot extrusion processing

b. Can be twisted pair and multi-core

c. According to UL standard design

4. Environmental protection

a. low smoke, non-halogen

b. ROHS/REACH compliant

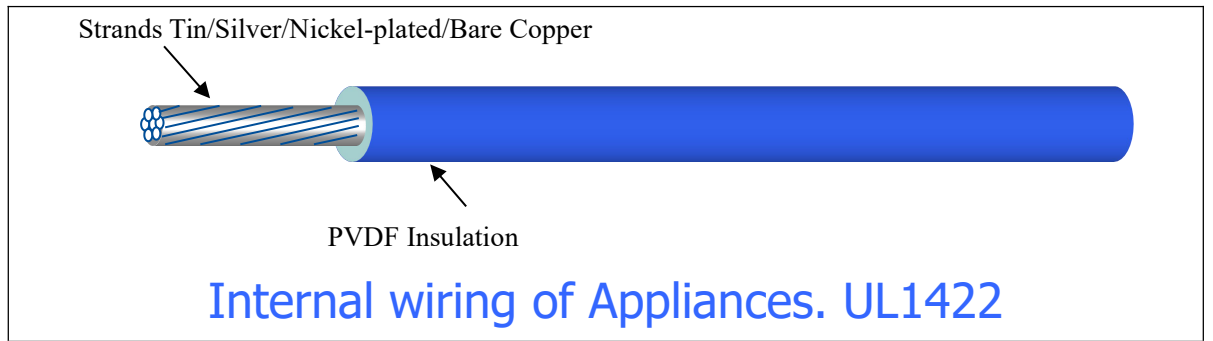
SHOULD BE USED:

Internal wiring where not subjected to movement or mechanical damage. In back panel areas of electronic computers and business machines.

REFERENCE:

UL758-2010, UL1581-2009

Outline:



Wire structure description:

Conductor: Tin/Silver/Nickel-plated/Bare copper ;
Insulation materials: PVDF Insulation

Internal wiring with conductor temperature of 105 °C								
Rated temperature: 105°C Rated voltage: No voltage rating								
STYLE	standard AWG	Conductor size (No./mm) ±0.005mm	Conductor resistance 20°C (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom	Min.	Nom.	Tole.
1422	20	19/0.19	36.70	0.95	0.13	0.102	1.25	±0.10
		7/0.30	36.70	0.92	0.13	0.102	1.20	±0.10
		1/0.813	35.20	0.813	0.13	0.102	1.07	±0.10
	22	19/0.15	59.40	0.76	0.13	0.102	1.05	±0.10
		1/0.65	56.40	0.65	0.13	0.102	0.91	±0.10
	24	1/0.51	89.30	0.51	0.13	0.102	0.77	±0.10
		7/0.20	94.20	0.61	0.13	0.102	0.90	±0.10
	26	7/0.16	150.00	0.49	0.13	0.102	0.78	±0.10
		1/0.4	143.00	0.40	0.13	0.102	0.70	±0.10
	28	7/0.127	239.00	0.39	0.13	0.102	0.68	±0.10
		1/0.32	227.00	0.32	0.13	0.102	0.58	±0.10
	30	7/0.10	381.00	0.30	0.13	0.102	0.60	±0.10
1/0.254		361.00	0.254	0.13	0.102	0.51	±0.10	

Marking: E211048 AWM STYLE 1422 NO.AWG 105°C PVDF QIFURUI AWM I A 105°C VW-1 -LF-

SAE COLOR SERIES

* STOCK COLOR CHART				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09- VIOLET

PACKAGE

*PACKAGE				
Part No.	Packing- FT/roll			
20~30AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft
According to customer requirements for packaging packaging				