

**CHARACTER:**

**1. Physical performance**

- a、 Good mechanical properties
- b、 Good resistance to high temperature, low temperature resistance
- c、 Good flame retardancy
- d、 Good corrosion resistance
- e、 Good resistance to climate
- f、 Good lubricity (small friction coefficient)
- g、 Excellent resistance to radiation
- h、 Good resistance to twists
- i、 Good not sticky

**2. Electrical Properties**

- a、 Electrical insulation good
- b、 Has the very high resistivity

**3. Processing properties**

- a、 Use half extrusion processing
- b、 Good wire processing performance
- c、 In the process of wire processing good compatibility
- d、 According to UL standard design

**4. Environmental protection**

- a、 ROHS/REACH compliant
- b、 nonhazardous

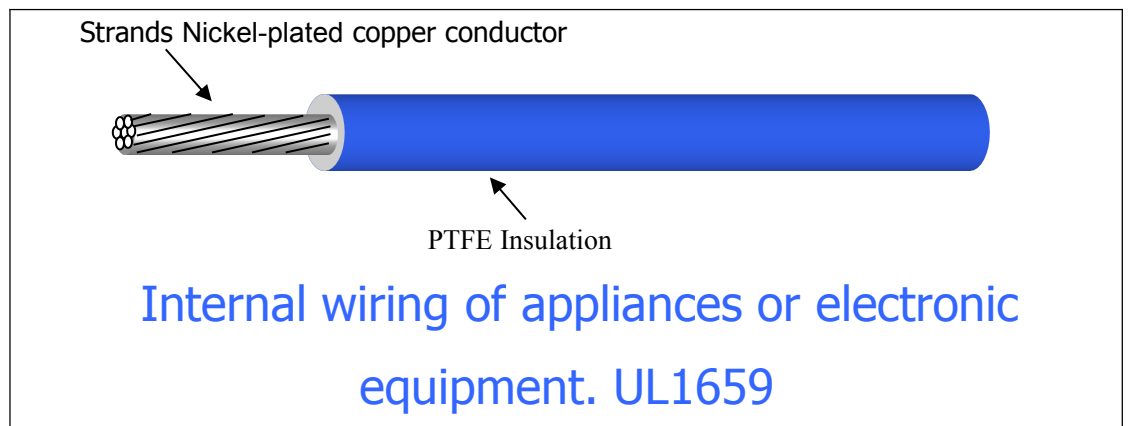
**SHOULD BE USED:**

Internal wiring of appliances and electronic equipment

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**



**Wire structure description:**  
 Conductor: Nickel-plated copper conductor;  
 Insulation materials: PTFE Insulation

Conductor temperature not over 250℃ PTFE insulated wire  
 Rated temperature: 250℃ rated voltage: 600V

STYLE	standard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Mon	Tol
1659	10	37/0.42	3.54	2.94	0.50	0.46	3.94	±0.15
	12	19/0.50	5.64	2.50	0.50	0.46	3.62	±0.15
	12	37/0.374	5.64	2.62	0.50	0.46	3.50	±0.15
	14	19/0.361	8.96	1.85	0.50	0.46	2.90	±0.10
	16	19/0.287	14.60	1.50	0.50	0.46	2.50	±0.10
	18	19/0.235	23.20	1.18	0.50	0.46	2.20	±0.10
	20	19/0.19	36.70	0.95	0.50	0.46	1.95	±0.10
	22	19/0.15	59.40	0.76	0.50	0.46	1.75	±0.10
	24	7/0.20	94.20	0.61	0.50	0.46	1.60	±0.10
	26	7/0.16	150.00	0.48	0.50	0.46	1.50	±0.10

**Marking:** E211048 AWM STYLE 1659 NO.AWG 250℃ 600V VW-1 PTFE QIFURUI -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		
10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft
12~16AWG	□ 500Ft	■ 1000Ft	□ 2000Ft
18~26AWG	□ 500Ft	□ 1000Ft	■ 2000Ft

According to customer requirements for packaging packaging

