

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 resistance to cracking

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

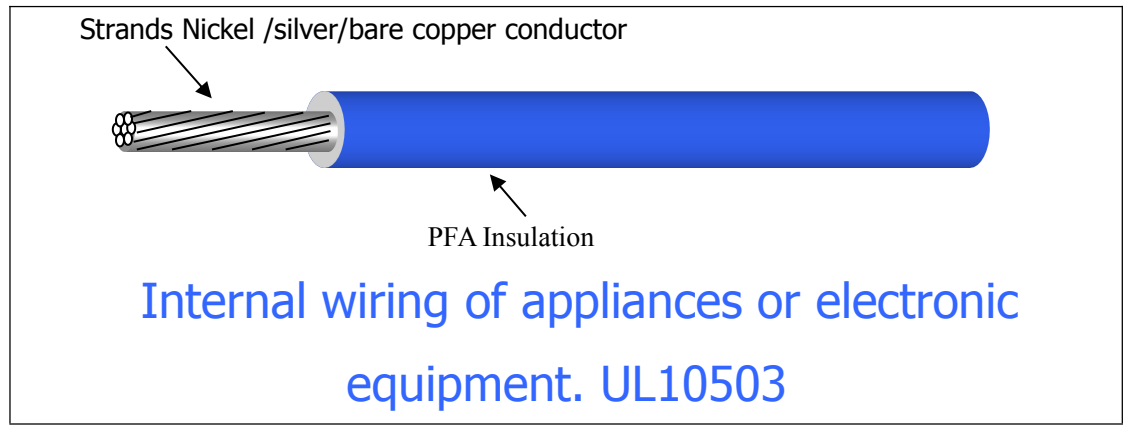
SHOULD BE USED:

Internal wiring of appliances or electronic equipment.

REFERENCE:

UL758-2010、 UL1581-2009

Outline:



Wire structure description:
 Conductor: Nickel /silver/bare copper conductor;
 Insulation materials: PFA Insulation

Conductor temperature not over 250℃ PFA 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
10503	10	37/0.42	3.54	2.94	0.30	0.27	3.54	±0.15
	12	37/0.374	5.64	2.62	0.30	0.27	3.22	±0.15
	14	19/0.361	8.96	1.85	0.30	0.27	2.41	±0.10
	16	19/0.287	14.60	1.50	0.30	0.27	2.04	±0.10
	18	19/0.235	23.20	1.18	0.20	0.15	1.57	±0.10
	20	19/0.19	36.70	0.95	0.20	0.15	1.36	±0.10
	22	19/0.15	59.40	0.76	0.20	0.15	1.15	±0.10
	24	7/0.20	94.20	0.61	0.20	0.15	1.00	±0.10
	26	7/0.16	150.00	0.48	0.20	0.15	0.88	±0.10
	28	1/0.32	227.00	0.32	0.20	0.15	0.72	±0.10
	28	7/0.127	239.00	0.38	0.20	0.15	0.78	±0.10
30	1/0.254	361.00	0.254	0.20	0.15	0.66	±0.10	

Marking: E211048 AWM STYLE 10503 NO.AWG 250℃ 600V VW-1 PFA 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	
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	

According to customer requirements for packaging packaging