

CHARACTER:

1. Physical performance

a. excellent mechanical properties:

Tensile strength ≥ 34.5MPa, elongation at break ≥ 100%

After aging:

Condition: 180 ± 1.0°C / 168H

Tensile strength residual rate ≥ 85%, elongation at break ≥ 75%

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 performance

a. rated temperature: 150°C rated voltage: 300V

b. Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 3000 AC

c. dielectric withstand voltage: 3KV, 60 seconds without breakdown

3. Processing properties

a. Using the Half extrusion processing

b. Can be twisted pair and multi-core

c. According to UL standard design

4. Environmental protection

a. ROHS/REACH compliant

b. Low smoke

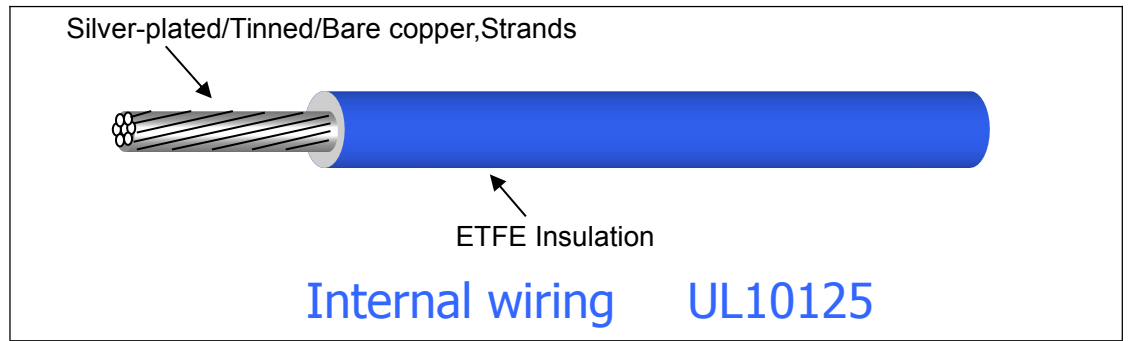
SHOULD BE USED:

Internal wiring of appliances and electronic equipment.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



Wire structure description:
 Conductor: Silver-plated/Tinned/Bare copper, Strands
 Insulation materials: ETFE Insulation

Conductor temperature not over 150°C ETFE insulated wire
 Rated temperature: 150°C rated voltage: 300V

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.	Mon	Tol
10125	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	±0.15
	16	19/0.287	14.60	1.50	0.30	0.27	2.04	±0.10
	18	19/0.235	23.20	1.18	0.15	0.13	1.50	±0.10
	20	19/0.19	36.70	0.95	0.15	0.13	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.13	1.06	±0.10
	24	7/0.20	94.20	0.60	0.15	0.13	0.90	±0.10
	24	1/0.51	89.30	0.51	0.15	0.13	0.81	±0.10
	26	7/0.16	150.00	0.48	0.15	0.13	0.80	±0.10
	26	19/0.10	150.00	0.50	0.15	0.13	0.80	±0.10
	26	1/0.40	143.00	0.40	0.15	0.13	0.70	±0.10
	28	7/0.127	239.00	0.38	0.15	0.13	0.70	±0.10
	28	1/0.32	227.00	0.32	0.15	0.13	0.62	±0.10
30	1/0.254	361.00	0.254	0.15	0.13	0.55	±0.10	

Marking: E211048 AWM STYLE 10125 NO.AWG 150°C 300V VW-1 ETFE 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			3F
10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft	
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	
According to customer requirements for packaging packaging				