

CHARACTER:

1.Physical performance

- a、Excellent thermal stability
- b、Good mechanical properties
- c、Long-term ageing resistance
- d、high resistance to chemicals
- e、Good flame retardancy (VW-1)
- f、Suitable for water, fuel, oil, acid and alkali environment

2.Electrical Properties

- a、Electrical insulation good
- b、Good the dielectric properties

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

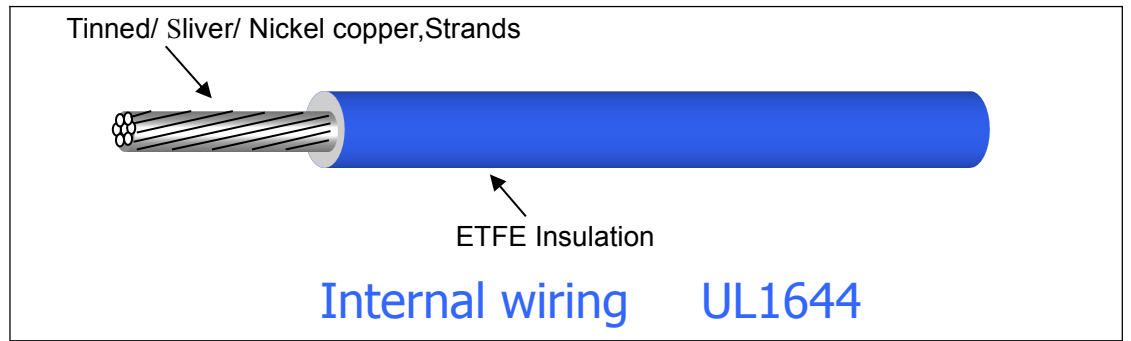
SHOULD BE USED:

Internal wiring and electronic equipment

REFERENCE:

UL758-2010、UL1581-2009

Outline:



Wire structure description:
 Conductor: Tinned/ Sliver/ Nickel copper, Strands
 Insulation materials: ETFE Insulation

Conductor temperature not over 150°C ETFE insulated wire
 Rated temperature: 150°C rated voltage: 600V

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.
1644	6	7/38/0.254	1.403	5.43	0.80	0.69	7.03	±0.20
	8	133/0.287	2.23	3.82	0.80	0.69	5.42	±0.20
	10	37/0.42	3.54	2.94	0.50	0.46	3.95	±0.15
	12	37/0.374	5.64	2.62	0.50	0.46	3.62	±0.15
	14	19/0.361	8.96	1.85	0.50	0.46	2.85	±0.15
	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	1.76	±0.10
	24	7/0.20	94.20	0.60	0.50	0.46	1.60	±0.10
	26	7/0.16	150.00	0.48	0.50	0.46	1.50	±0.10
	28	7/0.127	239.00	0.38	0.50	0.46	1.40	±0.10
30	1/0.254	361.00	0.254	0.50	0.46	1.26	±0.10	

Marking: E211048 AWM STYLE 1644 NO.AWG 150°C 600V 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
6-8AWG	■ 250Ft	□ 500Ft	□ 1000Ft	
10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft	
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	

According to customer requirements for packaging packaging