

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

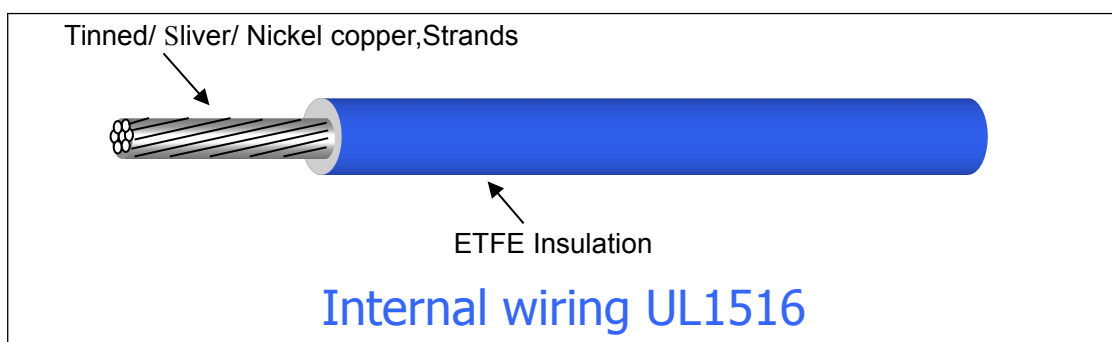
SHOULD BE USED:

Internal wiring where not subjected to movement or mechanical damage.

REFERENCE:

UL758-2010、UL1581-2009

Outline:



Wire structure description:

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

Internal wiring, Conductor temperature not over 105°C ETFE insulated wire
 Rated temperature: 105°C rated voltage: 30V

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.
1516	10	37/0.42	3.54	2.94	0.30	0.24	3.54	±0.15
	10	19/0.61	3.54	3.07	0.30	0.24	3.67	±0.15
	12	37/0.374	5.64	2.62	0.30	0.24	3.22	±0.15
	14	19/0.361	8.96	1.85	0.30	0.24	2.41	±0.15
	16	19/0.287	14.60	1.50	0.30	0.24	2.04	±0.10
	18	19/0.235	23.20	1.18	0.30	0.24	1.78	±0.10
	20	19/0.19	36.70	0.95	0.15	0.12	1.25	±0.10
	22	19/0.15	59.40	0.76	0.15	0.12	1.06	±0.10
	24	7/0.20	94.20	0.60	0.15	0.12	0.90	±0.10
	26	7/0.16	150.00	0.48	0.15	0.12	0.78	±0.10
	28	7/0.127	239.00	0.38	0.15	0.12	0.68	±0.10
	30	1/0.254	361.00	0.254	0.15	0.12	0.56	±0.10

Marking: E211048 AWM STYLE 1516 NO.AWG 105°C 30V 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		
10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft

According to customer requirements for packaging packaging