

1.Characteristic:

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: 80°C rated voltage: 30V

b、 Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 1500V

c、 dielectric withstand voltage: 500V, 60 seconds without breakdown

3. Processing performance

a、 suitable for all conventional wire harness processing

b、 If you have special needs, please let us know.

4. Environmental protection

a、 in line with ROHS/REACH

application:

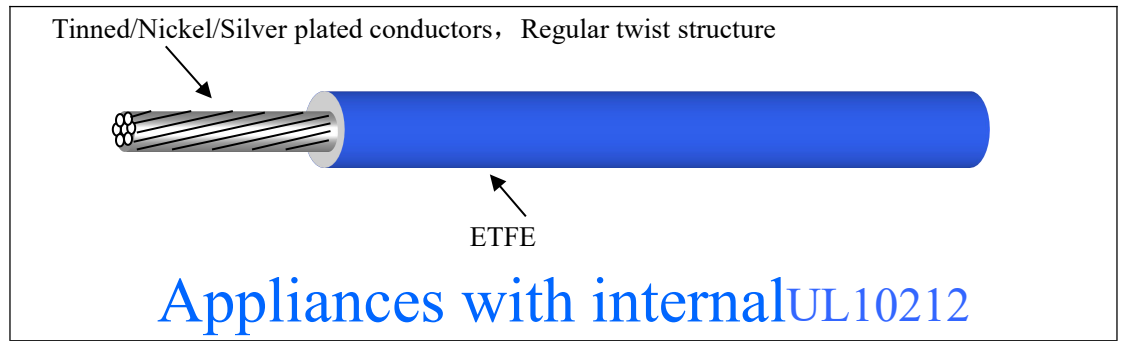
Appliances with internal

Guideline:

UL758-2014、 UL1581-2009

Overview:

Install electric wires inside to prevent sharp bends under impact and high temperature



Structure description:

Conductor structure: Tinned/Nickel/Silver plated conductors

Insulation material: ETFE

ETFE insulated wire with conductor temperature not exceeding 80°C
rated temperature: 80°C rated voltage: 30V

STYLE	stand ard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20°C (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom	Min.	Nom	Tole.
10212	10	37/0.42	3.54	2.95	0.25	0.10	3.45	±0.15
	12	37/0.374	5.64	2.63	0.25	0.10	3.13	±0.15
	14	19/0.361	8.96	1.82	0.20	0.10	2.22	±0.10
	16	19/0.287	14.60	1.44	0.20	0.10	1.84	±0.10
	18	19/0.235	23.20	1.18	0.20	0.10	1.58	±0.10
	20	19/0.19	36.70	0.96	0.20	0.10	1.36	±0.10
	22	19/0.15	59.40	0.76	0.20	0.10	1.16	±0.10
	24	7/0.20	94.20	0.61	0.20	0.10	1.00	±0.10
	26	7/0.16	150.00	0.50	0.20	0.10	0.90	±0.10
	28	7/0.127	239.00	0.38	0.20	0.10	0.78	±0.10
30	7/0.10	381.00	0.31	0.20	0.10	0.71	±0.10	

Sign:

1、 Printing : E211048 AWM STYLE 10212 NO. AWG 80°C 30V VW-1 ETFE QIFURUI -LF-

2、 Label identification: manufacturer, model, specification, rated temperature resistance, rated withstand voltage, insulation material, color, package length, Production Date

3F product code:

E.g: 10212U1000-37N
UL10212, 10AWG, black, 37/0.42, 镀镍,U: ETFE

SAE COLOR SERIES

*顏色表				
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

Serial number	change content	confirm	date	prepared by	Chen Li
A/0	First release	Jin Biao	2019.3.12	Review	Zhang Heng
				Approve	
				Date of preparation	2019.3.12