

Characteristic:

1.Physical properties

a、 excellent mechanical properties:

Tensile strength≥10.3MPa, elongation at break≥100%

After aging:

Condition : 136±1.0℃/ 168H

Tensile strength residual rate≥70% elongation at break≥65%

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℃±2℃/4H, no crack on the surface of the sample is qualified

2. Electrical performance

a、 rated temperature: 105℃ rated voltage: 1500V

b、 Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 10KV AC

c、 dielectric withstand voltage: 4KV AC, 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:

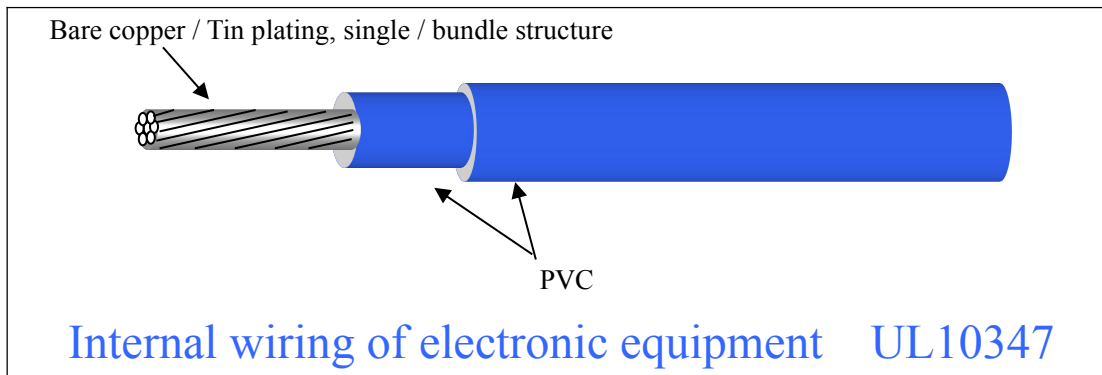
Internal wiring of electronic equipment.

Guideline:

UL758-2014、 UL1581-2009

Overview:

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



Structure description:

Conductor structure: bare copper / tinned conductor, single / bundle structure
Insulation material:PVC

Electrical equipment internal connection lines, cross-linked PVC wires with conductor temperature not exceeding 105 °C
rated temperature : 105℃ rated voltage: 1500Vac

STYLE	standard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia. (mm)	insulation thickness (mm)		Overall diameter (mm)	
					insulation Nom. (mm)	Jacket Nom. (mm)	Nom.	Tole.
10347	16	26/0.254	14.60	1.50	0.50	0.18	2.86	±0.10
	16	65/0.16	14.60	1.50	0.50	0.18	2.86	±0.10
	18	16/0.254	23.20	1.17	0.50	0.18	2.53	±0.10
	18	41/0.16	23.20	1.18	0.50	0.18	2.54	±0.10
	18	34/0.18	23.20	1.21	0.50	0.18	2.57	±0.10
	20	21/0.18	36.70	0.95	0.50	0.18	2.31	±0.10
	20	1/0.813	35.20	0.81	0.50	0.18	2.17	±0.10
	22	17/0.16	59.40	0.76	0.50	0.18	2.12	±0.10
	24	11/0.16	94.20	0.61	0.50	0.18	1.97	±0.10
	26	7/0.16	150.00	0.49	0.50	0.18	1.85	±0.10
28	7/0.127	239.00	0.39	0.50	0.18	1.75	±0.10	

Sign:

1、 Printing: E211048 AWM STYLE 10347 NO.AWG105℃ 1500V VW-1 PVC QIFURUI c AWM I A 105℃ 1500V FT1 -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: 103471600-26
UL10347, 16AWG, black, 26/0.254, Tin plating

SAE COLOR SERIES

*COLOR SERIES				
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
16AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
18~28AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	
According to customer requirements for packaging packaging					

Serial number	change content	confirm	date	prepared by	Chen Li
A/0	First release	Jin Biao	2018.12.04	Review	Zhang Heng
				Approve	<i>[Signature]</i>
				Date of preparation	2018.12.04