

Characteristic:

1.Physical properties

a、 excellent mechanical properties:

Tensile strength ≥10.3MPa, elongation at break ≥150%

After aging:

Condition: 136 ± 1.0°C/ 168H

Tensile strength residual rate ≥70%, elongation at break ≥45%

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: 105°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: 2.0KV, 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:

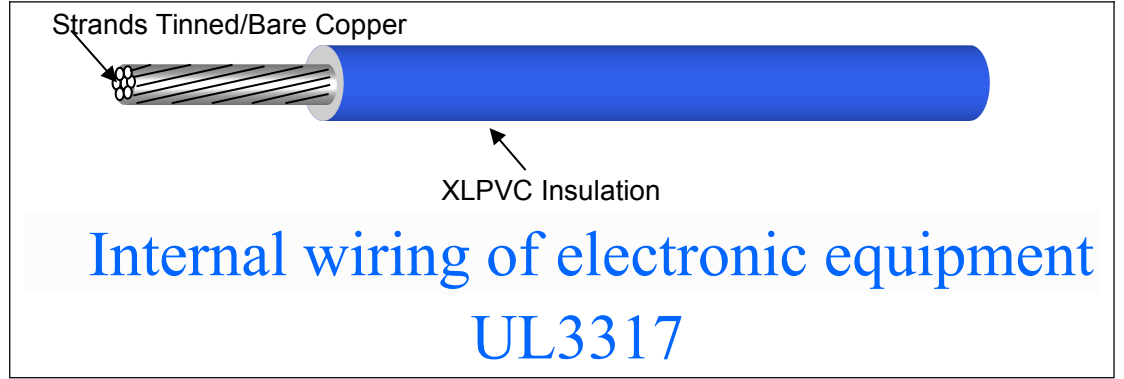
Internal wiring of electronic equipment

Guideline:

UL758-2014、 UL1581-2009

Overview:

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



Wire structure description:

Conductor: Tinned /Bare copper ;

Insulation materials: XLPVC Insulation

Appliances with internal , No more than 105 °C temperature of conductor occasion

Rated temperature: 105°C Rated voltage:300V

STYLE	SIZE AWG	Conductor construction (No./ mm) ±0.005	Conductor resistance 20°C (Ω/Km)	Conductor diameter (mm)	insulation thickness (mm)		Over diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3317	10	105/0.254	3.54	3.01	0.60	0.33	4.21	±0.15
	12	65/0.254	5.64	2.37	0.60	0.33	3.57	±0.15
	12	7/37/0.127	5.64	2.67	0.60	0.33	3.87	±0.15
	14	41/0.254	8.96	1.88	0.50	0.33	2.88	±0.15
	14	19/0.374	8.96	1.88	0.50	0.33	2.88	±0.15

Stranded conductor single diameter tolerances ±0.005mm;

Solid conductor diameter tolerances ±0.01mm.

Sign:

1、 Printing : E211048 AWM STYLE 3317 NO.AWG 105 °C 300V VW-1 XLPVC

QIFURUI AWM I A 105°C 300V FT1 -LF-

OR: E211048 AWM STYLE 3317 NO. AWG 105°C 300V VW-1 XLPVC QIFURUI

221756 CSA AWM I A 105°C 300V 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: 33171000-105
UL3317, 10AWG, black, 105/0.254, Tin plating

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				
10-14AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
According to customer requirements for packaging packaging					