

Characteristic:

1.Physical properties

- a、excellent mechanical properties:
Tensile strength≥10.3MPa, elongation at break≥150%
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: 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

suitable for all conventional wire harness processing

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

Strands Tinned/Bare Copper

XLPVC Insulation

Internal wiring of electronic equipment

UL3317

Wire structure description:
Conductor: Tinned /Bare copper ;
Insulation materials: XLPVC Insulation

Appliances with internal , No more than 105 ℃ temperature of conductor occasion								
Rated temperature: 105℃ Rated voltage:300V								
STYLE	SIZE AWG	Conductor construction (No./ mm) ±0.005	Conductor resistance 20℃ (Ω/Km)	Conductor diameter (mm)	insulation thickness (mm)		Over diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3317	10	105/0.254	3.54	3.01	0.40	0.33	3.81	±0.15
	12	65/0.254	5.64	2.37	0.40	0.33	3.17	±0.15
	12	19/0.5	5.64	2.52	0.40	0.33	3.32	±0.15
	14	41/0.254	8.96	1.88	0.40	0.33	2.68	±0.15
	14	19/0.374	8.96	1.88	0.40	0.33	2.68	±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 ℃ 300V VW-1 XLPVC QIFURUI c  AWM I A 105℃ 300V FT1 -LF-
OR: E211048  AWM STYLE 3317 NO. AWG 105℃ 300V VW-1 XLPVC 221756 CSA AWM I A 105℃ 300V FT1 -LF-
2 、Label identification: manufacturer, model, specification, rated temperature resistance,rated withstand voltage, insulation material, color, package length,Production Date

*PACKAGE				
Packing- Ft/roll				
10-14AWG	☐ 250Ft	☐ 500Ft	☒ 1000Ft	☐ 2000Ft
According to customer requirements for packaging				