

**1.Characteristic:**

**a、 excellent mechanical properties:**

Tensile strength≥3.45MPa, elongation at break≥100%

After aging:

Condition: 232±1.0℃/ 168H

Tensile strength residual rate≥60% elongation at break≥25%

**b、 Flame retardancy:** FT2, horizontal burning, burning once, 30S each time, no particles or droplets igniting the cotton layer can be emitted on the sample during the test.

**c、 Low temperature bending:** -10℃±2℃ / 4H, no crack on the surface of the sample is qualified

**2. Electrical performance**

**a、 rated temperature:** 200℃ **rated voltage:** 600V

**b、 Spark test:** When passing through the test electrode, no breakdown occurs. Spark test voltage is 6KV

**c、 dielectric withstand voltage:** 2.0KV, 60 seconds without breakdown

**3.Processing properties**

**a、** Use cold extrusion processing

**b、** Or use the high temperature vulcanization process

**c、** Good processing properties Harness

**d、** Harness processing process good compatibility

**e、** According to UL standard design

**4.Environmental protection**

**a、** ROHS/REACH compliant

**b、** Inodorous Atoxic

**SHOULD BE USED:**

Internal Wiring of Appliances

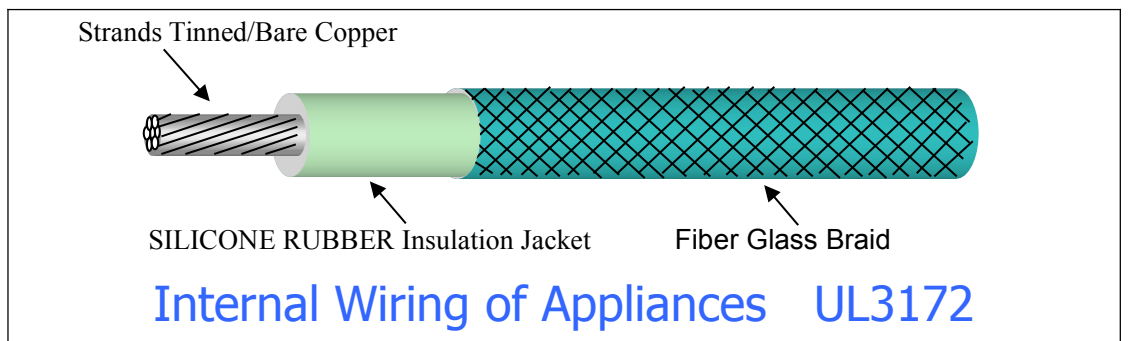
**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**

**3Fproduct code:**

E.g: 31722200-07
3172, 22AWG, black, 7/0.254, Tinned plated



**Wire structure description:**  
 Conductor: Tinned /Bare copper ;  
 Insulation materials: SILICONE RUBBER Insulation  
 Braid:Fiber Glass Braid

Internal wiring 。 Conductor temperature not over 200℃ silicone rubber insulated wire  
 Rated temperature: 200℃ rated voltage: 600V

STYLE	standard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3172	18	7/0.39	23.20	1.19	0.80	0.69	3.20	±0.15
		7/0.30	36.70	0.92	0.80	0.69	2.82	±0.15
	20	10/0.254	36.70	0.93	0.80	0.69	2.83	±0.15
		26/0.16	36.70	0.94	0.80	0.69	2.84	±0.15
	22	7/0.254	59.40	0.78	0.80	0.69	2.68	±0.15
		41/0.10	59.40	0.74	0.80	0.69	2.64	±0.15
		65/0.08	59.40	0.74	0.80	0.69	2.64	±0.15
	24	7/0.20	94.20	0.61	0.80	0.69	2.51	±0.10
	26	7/0.16	150.00	0.49	0.80	0.69	2.39	±0.10

Fiber Glass Braid thickness(mm): 0.15mm(26~20AWG)  
 0.20mm(18AWG)

**Marking:** E211048 AWM STYLE 3172 NO.AWG 200℃ 600V SILICONE RUBBER QIFURUI AWM I A 200℃ 600V FT2 -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			
18~26AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft

According to customer requirements for packaging packaging