

**CHARACTER:**

**1.Physical performance**

**a、 excellent mechanical properties:**

Tensile strength≥13.8MPa, elongation at break≥300%

After aging:

Condition: 158±1.0℃/ 168h

Tensile strength residual rate≥80% elongation at break≥80%

**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

VW-1, vertical burning, burning for 5 times, 15S each time, 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 Properties**

**a、 rated temperature:** 125℃ **rated voltage:** 600V

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

**c、 dielectric withstand voltage:** 6.0KV AC, 60 seconds without breakdown

**3.Processing properties**

a、 Using the hot extrusion processing

b、 Can be twisted pair and multi-core

c、 According to UL standard design

**4.Environmental protection**

a、 low smoke, non-halogen

b、 ROHS/REACH compliant

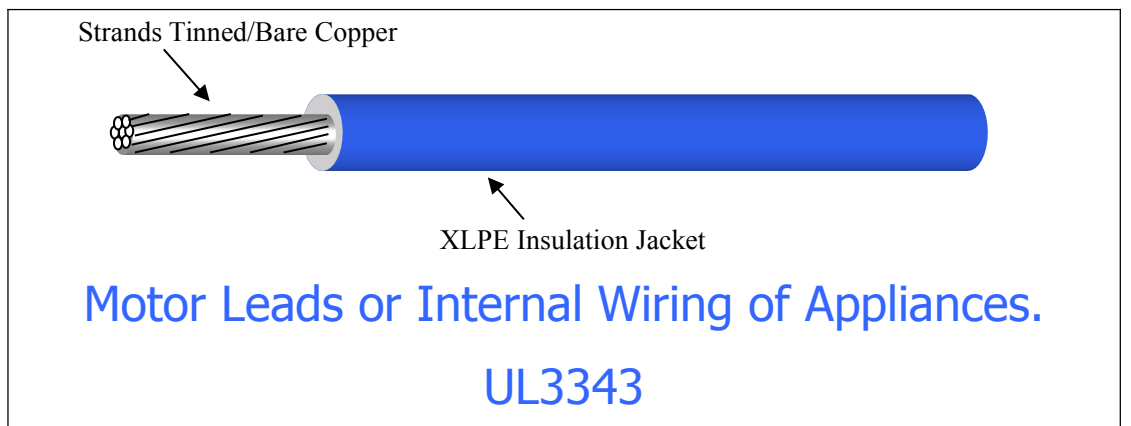
**SHOULD BE USED:**

Motor Leads or Internal Wiring of Appliances.

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;

Insulation materials: XLPE Insulation

Internal wiring 。 Conductor temperature not over 125℃ XLPE insulated wire

Rated temperature: 125℃ 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.
3343	4/0	19/44/0.404	0.172	15.48	2.03	1.83	19.55	±0.30
	3/0	19/87/0.254	0.219	13.68	2.03	1.83	17.75	±0.30
	2/0	19/70/0.254	0.277	12.26	2.03	1.83	16.32	±0.30
	1/0	19/55/0.254	0.349	10.88	2.03	1.83	14.94	±0.30
	1	19/44/0.254	0.440	9.72	2.03	1.83	13.80	±0.20
	2	7/95/0.254	0.555	8.58	1.52	1.37	11.62	±0.20
	4	7/60/0.254	0.882	6.82	1.52	1.37	9.86	±0.20
	6	7/38/0.254	1.403	5.41	1.52	1.37	8.45	±0.15
	8	168/0.254	2.230	3.80	1.15	1.04	6.10	±0.15
	10	105/0.254	3.540	3.00	0.80	0.69	4.60	±0.15
	12	65/0.254	5.64	2.36	0.80	0.69	3.95	±0.15
	14	41/0.254	8.96	1.88	0.80	0.69	3.50	±0.15
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.10
	18	16/0.254	23.20	1.17	0.80	0.69	2.75	±0.10
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.10
	22	17/0.16	59.40	0.76	0.80	0.69	2.35	±0.10
24	11/0.16	94.20	0.61	0.80	0.69	2.20	±0.10	
26	7/0.16	150.00	0.48	0.80	0.69	2.08	±0.10	
28	7/0.127	239.00	0.38	0.80	0.69	1.98	±0.10	
30	7/0.10	381.00	0.30	0.80	0.69	1.90	±0.10	

**Marking:** E211048 AWM STYLE 3343 NO.AWG 125℃ 600V XLPE QIFURUI  
 AWM I A 125℃ 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				
4/0-6AWG	<input type="checkbox"/> 100Ft	<input checked="" type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	
8-10AWG	<input type="checkbox"/> 100Ft	<input type="checkbox"/> 250Ft	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	
According to customer requirements for packaging packaging					