

**CHARACTER:**

**1. Physical performance**

**a、 excellent mechanical properties:**

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

After aging:

Condition: 158 ± 1.0 °C / 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 °C ± 2 °C / 4H, no crack on the surface of the sample is qualified

**2. Electrical Properties**

**a、 rated temperature:** 125 °C **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

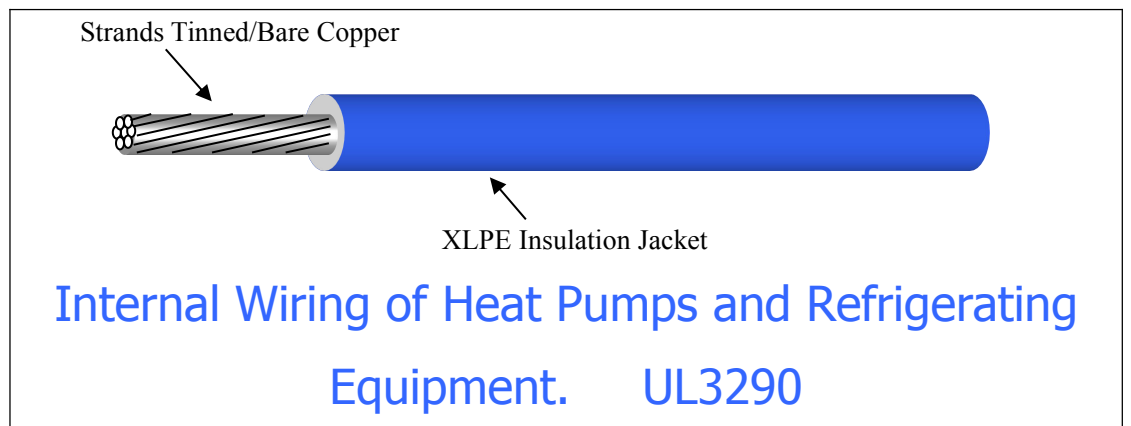
**SHOULD BE USED:**

Internal Wiring of Heat Pumps and Refrigerating Equipment.

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;

Insulation materials: XLPE Insulation

Internal wiring 。 Conductor temperature not over 125 °C XLPE insulated wire

Rated temperature: 125 °C rated voltage: 600V

STYLE	standard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20°C (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3290	10	105/0.254	3.54	3.00	1.52	1.37	6.05	±0.15
	12	65/0.254	5.64	2.36	1.52	1.37	5.40	±0.15
	14	41/0.254	8.96	1.88	1.52	1.37	4.95	±0.15
	16	26/0.254	14.60	1.50	1.52	1.37	4.54	±0.10
	18	16/0.254	23.20	1.17	1.52	1.37	4.20	±0.10
	20	21/0.18	36.70	0.95	1.52	1.37	4.00	±0.10
	22	17/0.16	59.40	0.76	1.52	1.37	3.80	±0.10
	24	11/0.16	94.20	0.61	1.52	1.37	3.65	±0.10
	26	7/0.16	150.00	0.48	1.52	1.37	3.52	±0.10

**Marking:** E211048 AWM STYLE 3290 NO.AWG 125 °C 600V XLPE QIFURUI AWM I A 125 °C 600V FT2 -LF-  
OR: E211048 AWM STYLE 3290 NO. AWG 125 °C 600V XLPE QIFURUI 221756  
CSA AWM I A 125 °C 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				
10AWG	<input type="checkbox"/> 200Ft	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
12~16AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
18~26AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging