

**CHARACTER:**

**1.Physical performance**

**a、excellent mechanical properties:**

Tensile strength≥13.8MPa, elongation at break≥150%

After aging:

Condition: 136±1.0℃/ 168H

Tensile strength residual rate≥85% elongation at break≥70%

**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 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: 2000V

b、Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 10KV AC

c、dielectric withstand voltage: 5KV, 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 Appliances.

**Guideline:**

UL758-2014、UL1581-2009

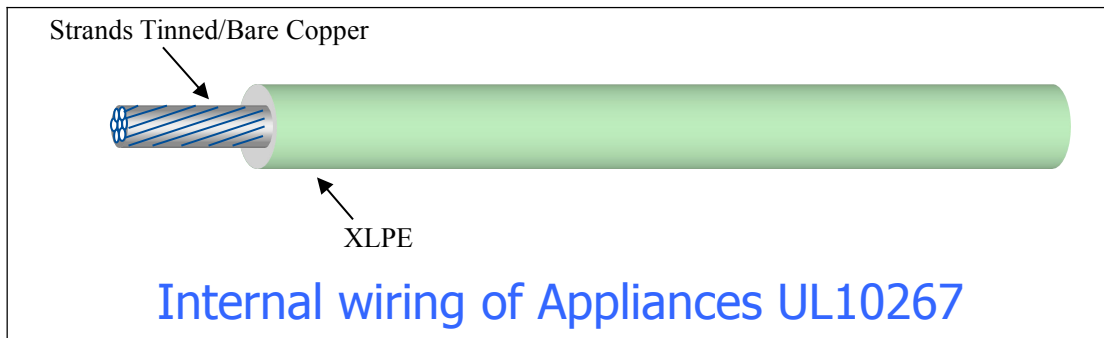
**Overview:**

Internal installation of wires.

Prevent impact, sharp bending under high temperature

**3F 产品编码:**

E.g: 102671000-105
UL10267, 10AWG, Black, 105/0.254, Tinned



**Wire structure description:**

Conductor: Tinned /Bare copper

Insulation materials: XLPE

Internal wiring of Appliances. Conductor temperature not over 105℃ XLPE insulated wire  
Rated temperature: :105℃ rated voltage: 2000V

STYLE	AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Min	ToI
10267	10	105/0.254	3.54	3.01	0.50	0.38	4.01	±0.15
	12	65/0.254	5.64	2.37	0.50	0.38	3.37	±0.15
	12	19/0.50	5.64	2.52	0.50	0.38	3.52	±0.15
	14	1/1.63	8.78	1.63	0.50	0.38	2.63	±0.15
	14	19/0.374	8.96	1.88	0.50	0.38	2.88	±0.15
	14	41/0.254	8.96	1.88	0.50	0.38	2.88	±0.15
	16	26/0.254	14.60	1.50	0.45	0.38	2.4	±0.10
	16	65/0.16	14.60	1.50	0.45	0.38	2.4	±0.10
	18	16/0.254	23.20	1.17	0.45	0.38	2.07	±0.10
	18	41/0.16	23.20	1.18	0.45	0.38	2.08	±0.10
	18	34/0.18	23.20	1.21	0.45	0.38	2.11	±0.10
	20	21/0.18	36.70	0.95	0.45	0.38	1.85	±0.10
	20	1/0.813	35.20	0.813	0.45	0.38	1.71	±0.10
	22	17/0.16	59.40	0.76	0.45	0.38	1.66	±0.10
	24	11/0.16	94.20	0.61	0.45	0.38	1.51	±0.10
	26	7/0.16	150.00	0.49	0.45	0.38	1.39	±0.10
	28	7/0.127	239.00	0.39	0.45	0.38	1.29	±0.10
	30	7/0.10	381.00	0.31	0.45	0.38	1.21	±0.10

**Marking:** E211048 AWM STYLE 10267 NO.AWG105℃ 2000V XLPE QIFURUI  
 c. AWM I A 105℃ 2000V FT2 -LF-  
 OR: E211048 AWM STYLE 10267 NO.AWG 105℃ 2000V VW-1 XLPE QIFURUI  
 c. AWM I A 105℃ 2000V 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"/> 250Ft	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
12~16AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
18~30AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft

According to customer requirements for packaging packaging