

**CHARACTER:**

**1.Physical performance**

- a、 Tensile strength≥10.3MPa;elongation at break≥150%。  
After aging:  
Condition: 136℃±1℃ /168h  
Tensile strength residual rate≥70%, elongation at break≥45%

- b、 Flame retardancy: VW-1, for vertical combustion, burned 5 times for 15S each, with no more than 60S of residual flame at any one time

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

**2.Electrical Properties**

- a、 Rated temperature: 105℃ Rated voltage: 300V
- b、 Spark test: no breakdown occurs when passing through the test electrode. The spark test voltage was 3KV
- c、 Medium voltage: 2.0KV , 60 seconds without breakdown

**3.Processing properties**

- a. Suitable for all conventional wire harness processing processes
- b. Please inform us if you have any special needs

**4.Environmental protection**

- a、 ROHS/REACH compliant

**SHOULD BE USED:**

General commercial, electronic electric appliance and equipment instrument internal connections.

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**

Internal installation of wire, to prevent impact, high temperature under acute Angle bending

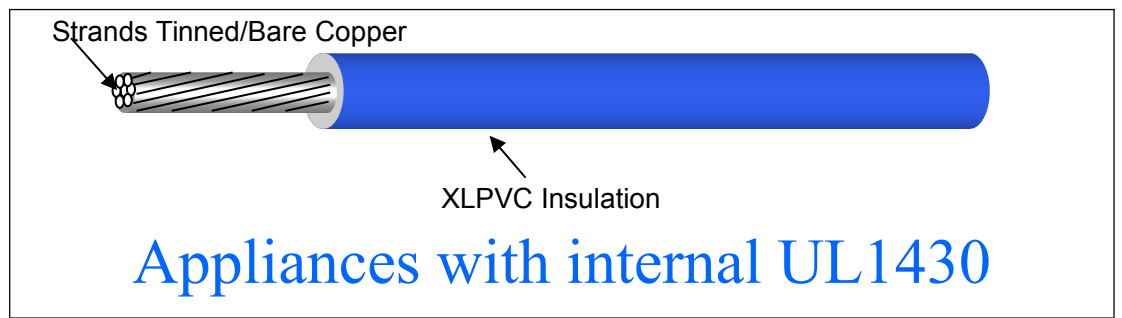
**3Fproduct code:**

eg: 14301600-26
UL1430, 16AWG, black, 26/0.254, tinned

**PACKAGE**

*PACKAGE				
Part No.	Packing- Ft/roll			
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



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

Appliances with internal , No more than 105 °C 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.
1430	16	26/0.254	14.60	1.50	0.40	0.33	2.30	±0.1
	16	1/1.30	14.00	1.30	0.40	0.33	2.06	±0.1
	16	65/0.16	14.60	1.50	0.40	0.33	2.30	±0.1
	16	19/0.287	14.60	1.45	0.40	0.33	2.25	±0.1
	18	16/0.254	23.20	1.17	0.40	0.33	1.92	±0.1
		7/0.39	23.20	1.19	0.40	0.33	1.95	±0.1
		1/1.02	22.20	1.02	0.40	0.33	1.78	±0.1
		19/0.235	22.20	1.18	0.40	0.33	1.98	±0.1
		34/0.18	23.20	1.21	0.40	0.33	1.97	±0.1
	20	41/0.16	23.20	1.18	0.40	0.33	1.94	±0.1
		7/0.30	36.70	0.92	0.40	0.33	1.68	±0.1
		21/0.18	36.70	0.95	0.40	0.33	1.68	±0.1
	22	1/0.65	56.40	0.65	0.40	0.33	1.41	±0.1
		19/0.16	59.40	0.80	0.40	0.33	1.56	±0.1
		17/0.16	59.40	0.76	0.40	0.33	1.52	±0.1
	24	7/0.254	59.40	0.78	0.40	0.33	1.54	±0.1
		19/0.12	94.20	0.60	0.40	0.33	1.36	±0.1
		1/0.51	89.30	0.51	0.40	0.33	1.27	±0.1
		11/0.16	94.20	0.61	0.40	0.33	1.37	±0.1
	26	7/0.20	94.20	0.61	0.40	0.33	1.37	±0.1
7/0.16		150.00	0.48	0.40	0.33	1.24	±0.1	
1/0.40		143.00	0.40	0.40	0.33	1.16	±0.1	
28		7/0.127	239.00	0.38	0.40	0.33	1.14	±0.1
30		7/0.10	381.00	0.31	0.40	0.33	1.06	±0.1

Stranded conductor single diameter tolerances ±0.005mm;  
Solid conductor diameter tolerances ±0.01mm.

**Marking:** E211048 AWM STYLE 1430 NO. AWG 105℃ 300V VW-1 XLPVC QIFURUI AWM I A 105℃ 300V FT1 -LF-

OR: E211048 AWM STYLE 1430 NO. AWG 105℃ 300V VW-1 XLPVC QIFURUI 221756 CSA AWM I A 105℃ 300V FT1 -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