

### 1. Physical properties

**a. excellent mechanical properties:**

Tensile strength ≥ 17.2MPa, elongation at break ≥ 200%

After aging:

Condition: 232 ± 1.0°C / 168H

Tensile strength residual rate ≥ 75% elongation at break ≥ 75%

**b. Flame retardancy:** VW-1, vertical combustion, burning 5 times, each time 15S, 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 performance

**a. rated temperature:** 200°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:** 2.0KV, 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:

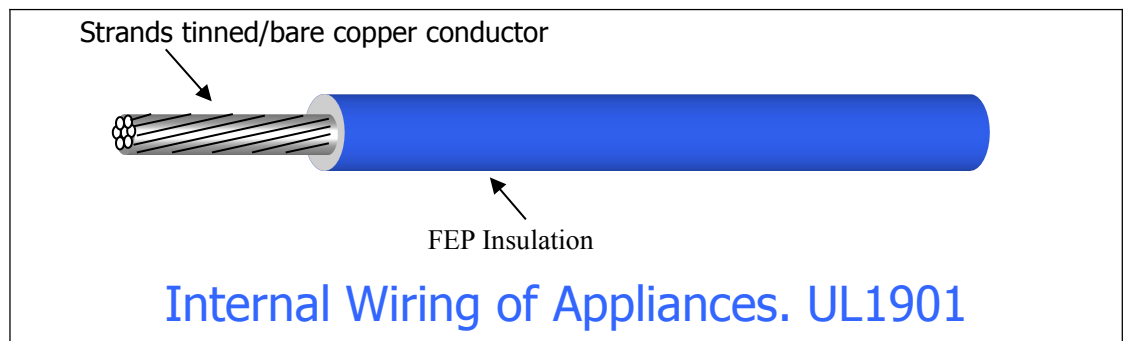
Internal Wiring of Appliances

### Guideline:

UL758/UL1581

### Overview:

Install electric wires inside to prevent sharp bends under impact and high temperature



**Wire structure description:**  
 Conductor: tinned/bare copper conductor;  
 Insulation materials: FEP Insulation

Conductor temperature not over 200°C FEP insulated wire  
 Rated temperature: 200°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.	Mon	Tol.
1901	6	133/0.36	1.403	4.79	0.50	0.46	5.79	±0.2
	8	133/0.287	2.230	3.82	0.50	0.46	4.82	±0.2
	10	37/0.42	3.54	2.94	0.35	0.33	3.60	±0.15
	12	37/0.374	5.64	2.62	0.35	0.33	3.32	±0.15
	12	19/0.5	5.64	2.52	0.35	0.33	3.22	±0.15
	14	19/0.361	8.96	1.85	0.35	0.33	2.60	±0.10
	16	19/0.287	14.60	1.50	0.35	0.33	2.20	±0.10
	18	19/0.235	23.20	1.18	0.35	0.33	1.90	±0.10
	20	19/0.19	36.70	0.95	0.35	0.33	1.65	±0.10
	22	7/0.254	59.40	0.78	0.35	0.33	1.48	±0.10
	22	19/0.15	59.40	0.76	0.35	0.33	1.45	±0.10
	24	7/0.2	94.20	0.61	0.35	0.33	1.30	±0.10
	24	19/0.12	94.20	0.60	0.35	0.33	1.30	±0.10
	26	7/0.16	150.00	0.48	0.35	0.33	1.20	±0.10
	26	19/0.1	150.00	0.50	0.35	0.33	1.20	±0.10
	28	1/0.32	227.00	0.32	0.35	0.33	1.02	±0.10
30	1/0.254	361.00	0.254	0.35	0.33	0.96	±0.10	
30	7/0.10	381.00	0.30	0.35	0.33	1.00	±0.10	

**Marking:** E211048 AWM STYLE 1901 NO. AWG 200°C 600V FEP VW-1 QIFURUI C AWM I A 200°C 600V 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

### PACKAGE

*PACKAGE				
Part No.	Packing- FT/roll			
6-10AWG	■ 500Ft	□ 1000Ft	□ 2000Ft	
12~20AWG	□ 500Ft	■ 1000Ft	□ 2000Ft	
22-30AWG	□ 500Ft	□ 1000Ft	■ 2000Ft	

According to customer requirements for packaging packaging