

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

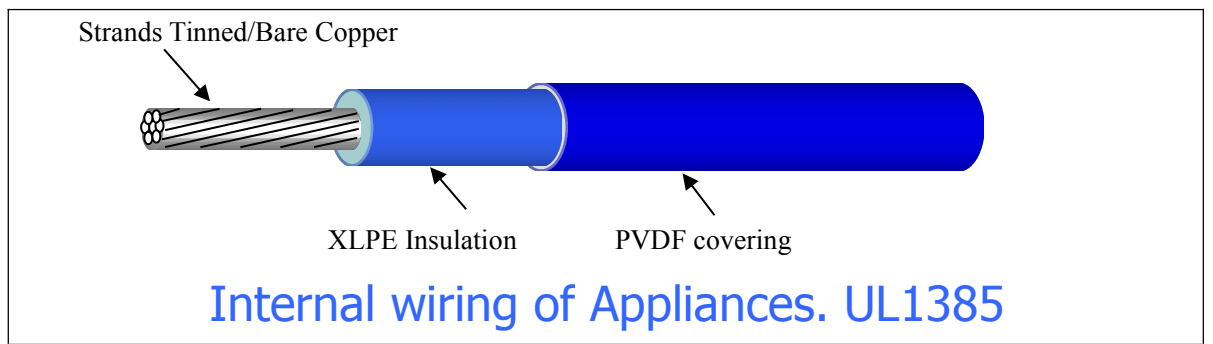
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
 Insulation materials: XLPE Insulation  
 Covering:PVDF covering

Internal wiring of Appliances. Conductor temperature not over 125°C XLPE insulated wire  
 Rated temperature: 125°C rated voltage: 300V

STYLE	standard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20°C (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Covering thickness (mm)		Overall diameter (mm)	
					Nom	Min.	Nom	Min.	Nom.	Tole.
1385	16	19/0.287	14.60	1.45	0.08	0.06	0.08	0.06	1.77	±0.10
	18	19/0.235	23.20	1.18	0.08	0.06	0.08	0.06	1.50	±0.10
	20	19/0.19	36.70	0.95	0.08	0.06	0.08	0.06	1.27	±0.10
	22	19/0.15	59.40	0.76	0.08	0.06	0.08	0.06	1.08	±0.10
	24	7/0.20	94.20	0.61	0.08	0.06	0.08	0.06	0.93	±0.10
	26	7/0.16	150.00	0.49	0.08	0.06	0.08	0.06	0.81	±0.10
	28	7/0.127	239.00	0.39	0.08	0.06	0.08	0.06	0.71	±0.10

**Marking:** E211048 AWM STYLE 1385 NO.AWG 125°C 300V XLPE+PVDF QIFURUI   
 AWM I A 125°C 300V 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				
16AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
18~28AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

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**4.Environmental protection**

- a、low smoke, non-halogen
- b、ROHS/REACH compliant

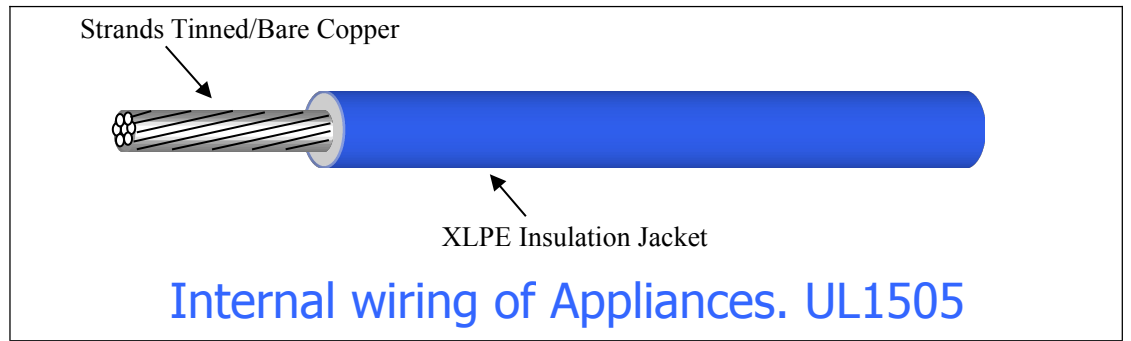
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring of Appliances. Conductor temperature not over 105°C XLPE insulated wire  
Rated temperature: 105°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.	Min	Max
1505	1/0	19/55/0.254	0.349	10.88	2.00	1.78	14.90	±0.30
	01	19/44/0.254	0.440	9.73	2.00	1.78	13.75	±0.30
	02	7/95/0.254	0.555	8.58	1.60	1.45	11.80	±0.20
	04	7/60/0.254	0.8820	6.80	1.60	1.45	10.00	±0.20
	06	7/38/0.254	1.403	5.42	1.60	1.45	8.62	±0.20
	08	168/0.254	2.230	3.80	1.60	1.45	7.00	±0.15
	10	105/0.254	3.54	3.00	1.20	1.07	5.40	±0.15
	12	65/0.254	5.64	2.36	1.20	1.07	4.76	±0.15
	14	41/0.254	8.96	1.88	1.20	1.07	4.28	±0.15
	16	26/0.254	14.60	1.50	1.05	0.94	3.60	±0.15
	18	16/0.254	23.20	1.17	1.05	0.94	3.27	±0.10
	20	21/0.18	36.70	0.95	1.05	0.94	3.05	±0.10

**Marking:** E211048 AWM STYLE 1505 NO.AWG 105°C 600V XLPE QIFURUI AWM I A 105°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				
1/0~4AWG	<input checked="" type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
6~10AWG	<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	
18~20AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

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- c、According to UL standard design

**4.Environmental protection**

- a、low smoke, non-halogen
- b、ROHS/REACH compliant

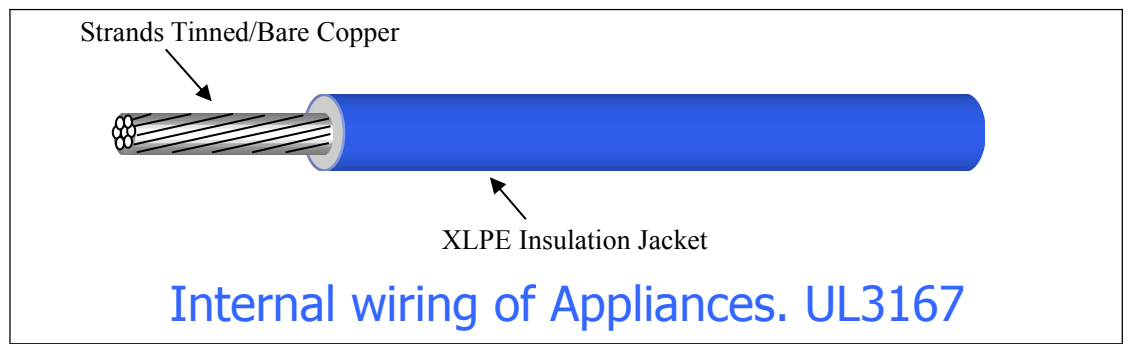
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

Internal wiring of Appliances. Conductor temperature not over 105℃ XLPE insulated wire  
 Rated temperature: 105℃ 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.	Min	Max
3167	10	105/0.254	3.54	3.00	0.80	0.60	4.60	±0.15
	12	65/0.254	5.64	2.36	0.80	0.60	3.96	±0.15
	14	41/0.254	8.96	1.90	0.80	0.60	3.50	±0.15
	16	7/0.49	14.60	1.50	0.80	0.60	3.10	±0.15
	18	7/0.39	23.20	1.19	0.80	0.60	2.79	±0.15
	20	7/0.30	36.70	0.92	0.80	0.60	2.52	±0.15
	22	7/0.254	59.40	0.76	0.80	0.60	2.36	±0.15
	24	7/0.20	94.20	0.61	0.80	0.60	2.21	±0.15
	26	7/0.16	150.00	0.48	0.80	0.60	2.08	±0.15

**Marking:** E211048 AWM STYLE 3167 NO.AWG 105℃ 600V XLPE QIFURUI  
 AWM IA 105℃ 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"/> 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	
18~26AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

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- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

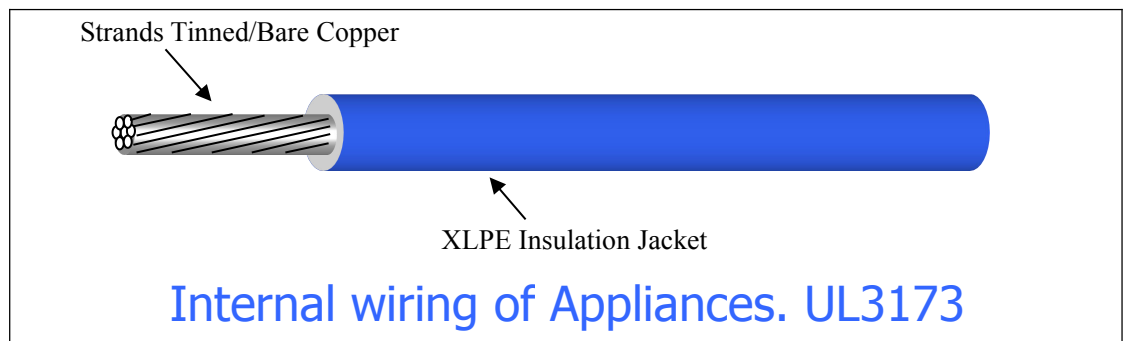
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

Internal wiring of Appliances. 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.	Min	Max
3173	10	105/0.254	3.54	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	3.45	±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
	18	34/0.18	23.20	1.21	0.80	0.69	2.80	±0.10
	18	19/0.235	23.20	1.18	0.80	0.69	2.78	±0.10
	20	1/0.813	35.20	0.813	0.80	0.69	2.41	±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

**Marking:** E211048 AWM STYLE 3173 NO.AWG 125℃ 600V VW-1 XLPE QIFURUI  
 c AWM I A 125℃ 600V FT2 -LF-  
 E211048 AWM STYLE 3173 NO.AWG 125℃ 600V XLPE QIFURUI c AWM I A 125℃ 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3173 NO. AWG 125℃ 600V XLPE QIFURUI 221756  
 CSA 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				
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	
18~26AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	
According to customer requirements for packaging packaging					

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- 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

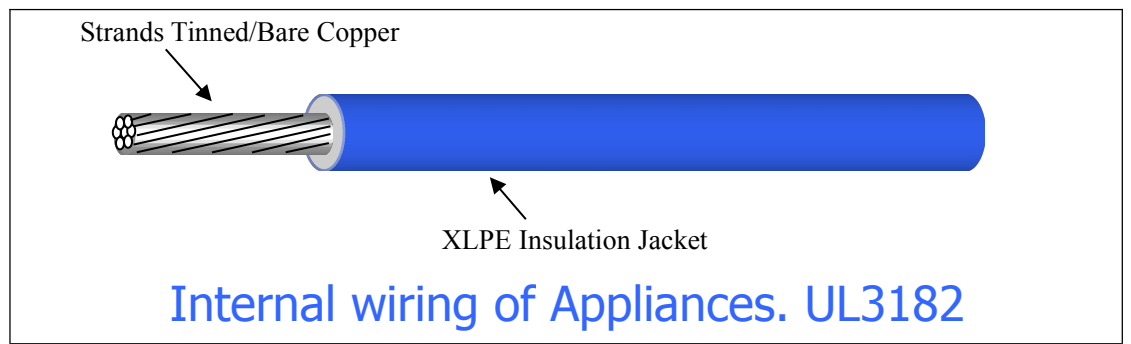
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

Internal wiring of Appliances. 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.	Min	Max
3182	10	105/0.254	3.54	3.00	1.15	1.02	5.31	±0.15
	12	65/0.254	5.64	2.36	1.15	1.02	4.67	±0.15
	14	41/0.254	8.96	1.88	1.15	1.02	4.20	±0.15
	16	26/0.254	14.60	1.50	1.15	1.02	3.80	±0.15
	18	16/0.254	23.20	1.17	1.15	1.02	3.47	±0.15
	20	21/0.18	36.70	0.95	1.15	1.02	3.25	±0.15
	22	17/0.16	59.40	0.76	1.15	1.02	3.06	±0.15
	24	11/0.16	94.20	0.61	1.15	1.02	2.91	±0.15
	26	7/0.16	150.00	0.48	1.15	1.02	2.78	±0.15

**Marking:** E211048 AWM STYLE 3182 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				
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	
18~26AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

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- a、Electrical insulation good
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**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

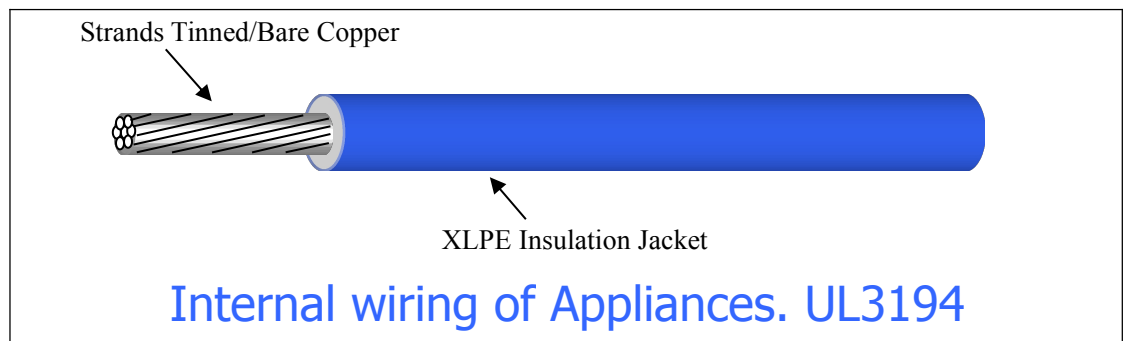
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring of Appliances. Conductor temperature not over75℃ XLPE insulated wire  
Rated temperature: 75℃ rated voltage: 300V

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.
3194	16	26/0.254	14.60	1.50	0.40	0.30	2.30	±0.10
	18	16/0.254	23.20	1.17	0.40	0.30	1.97	±0.10
	20	21/0.18	36.70	0.95	0.40	0.30	1.75	±0.10
	22	17/0.16	59.40	0.76	0.40	0.30	1.56	±0.10
	24	11/0.16	94.20	0.61	0.40	0.30	1.41	±0.10
	26	7/0.16	150.00	0.48	0.40	0.30	1.28	±0.10

**Marking:** E211048 AWM STYLE 3194 NO.AWG 75℃ 300V XLPE QIFURUI AWM I A 75℃ 300V 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				
16AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
18~26AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	
According to customer requirements for packaging packaging					

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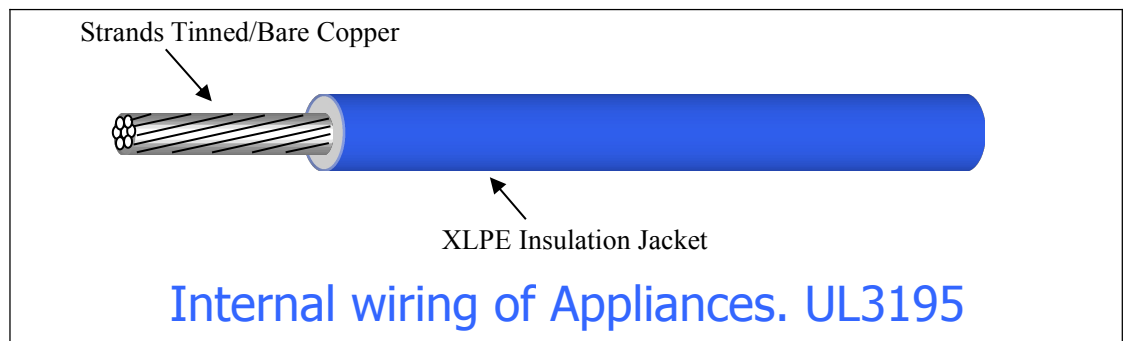
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring of Appliances. 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.
3195	08	168/0.254	2.23	3.80	1.15	1.04	6.10	±0.15
	08	133/0.287	2.23	3.80	1.15	1.04	6.10	±0.15

**Marking:** E211048 AWM STYLE 3195 NO.AWG 125°C 600V XLPE QIFURUI   
AWM I A 125°C 600V FT2 -LF-  
OR: E211048 AWM STYLE 3195 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			
8AWG	<input checked="" type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
According to customer requirements for packaging packaging				

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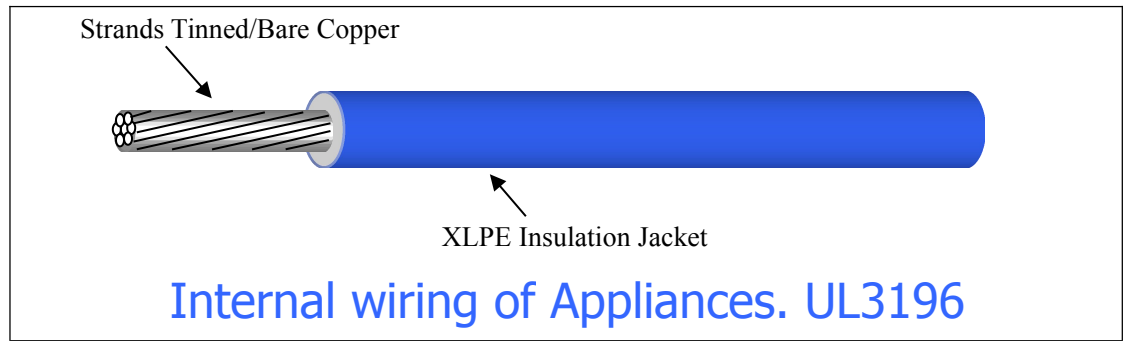
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring of Appliances. 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.
3196	06	7/38/0.254	1.403	5.42	1.52	1.37	8.46	±0.15
		7/19/0.361	1.403	5.45	1.52	1.37	8.50	±0.15
	04	7/19/0.455	0.882	6.85	1.52	1.37	9.90	±0.15
		7/60/0.254	0.882	6.80	1.52	1.37	9.85	±0.15
	02	7/19/0.574	0.5548	8.65	1.52	1.37	11.70	±0.20
		7/37/0.404	0.5548	8.52	1.52	1.37	11.60	±0.20

**Marking :** E211048 AWM STYLE 3196 NO.AWG 125°C 600V XLPE QIFURUI AWM I A 125°C 600V FT2 -LF-  
OR: E211048 AWM STYLE 3196 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				
2-6AWG	<input checked="" type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
According to customer requirements for packaging packaging					

**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

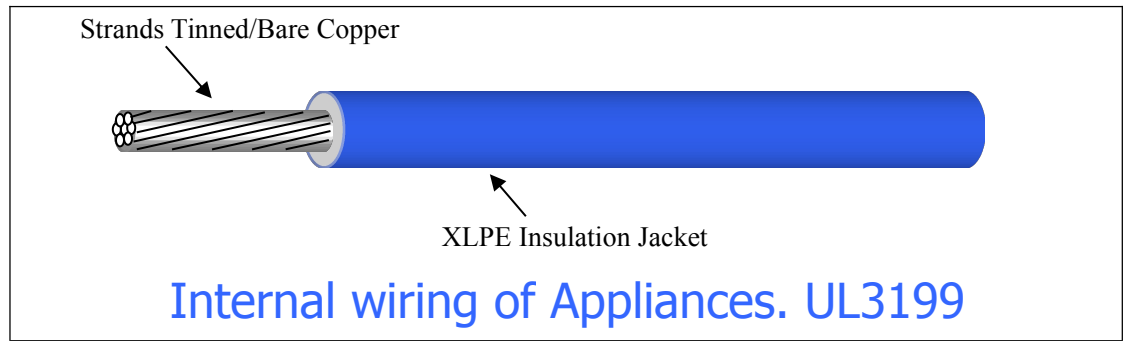
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

Internal wiring of Appliances. Conductor temperature not over 105°C XLPE insulated wire  
 Rated temperature: 105°C rated voltage: 300V

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.
3199	16	26/0.254	14.60	1.50	0.40	0.33	2.30	±0.10
	18	16/0.254	23.20	1.17	0.40	0.33	1.95	±0.10
	20	21/0.18	36.70	0.95	0.40	0.33	1.75	±0.10
	22	17/0.16	59.40	0.76	0.40	0.33	1.56	±0.10
	24	11/0.16	94.20	0.61	0.40	0.33	1.41	±0.10
	26	7/0.16	150.00	0.48	0.40	0.33	1.28	±0.10
	28	7/0.127	239.00	0.38	0.40	0.33	1.18	±0.10
	30	7/0.10	381.00	0.30	0.40	0.33	1.10	±0.10

**Marking:** E211048 AWM STYLE 3199 NO.AWG 105°C 300V XLPE QIFURUI   
 AWM I A 105°C 300V FT2 -LF-  
 OR: E211048 AWM STYLE 3199 NO. AWG 105°C 300V XLPE QIFURUI 221756  
 CSA AWM I A 105°C 300V 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				
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					

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

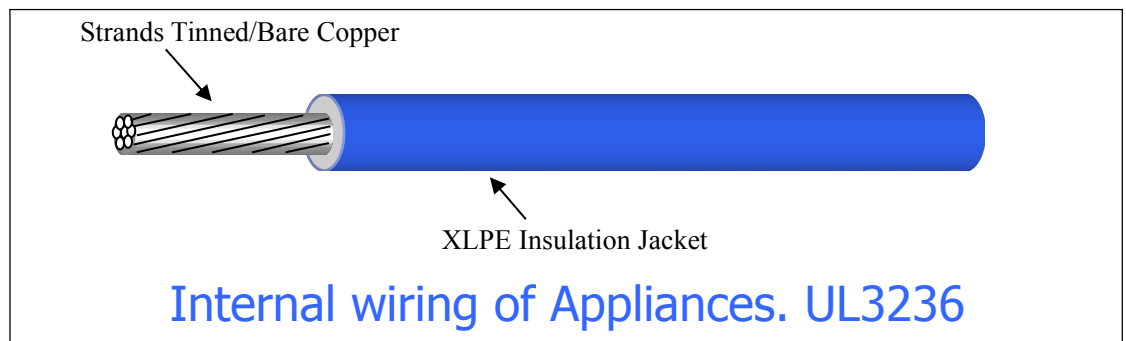
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring of Appliances. Conductor temperature not over90℃ XLPE insulated wire  
Rated temperature: 90℃ 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.
3236	6	7/38/0.254	1.403	5.42	3.15	2.87	11.75	±0.20
	8	168/0.254	2.230	3.80	2.40	2.18	8.60	±0.15
	10	105/0.254	3.54	3.00	2.00	1.83	7.00	±0.15
	12	65/0.254	5.64	2.36	2.00	1.83	6.35	±0.15
	14	41/0.254	8.96	1.88	2.00	1.83	5.90	±0.15
	16	26/0.254	14.60	1.50	1.52	1.37	4.55	±0.15
	18	16/0.254	23.20	1.17	1.52	1.37	4.20	±0.15

**Marking:** E211048 AWM STYLE 3236 NO.AWG 90℃ 600V XLPE QIFURUI   
AWM I A 90℃ 600V FT2 -LF-  
OR: E211048 AWM STYLE 3236 NO.AWG 90℃ 600V XLPE QIFURUI 221756  
CSA AWM I A 90℃ 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				
6~10AWG	<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	
18AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

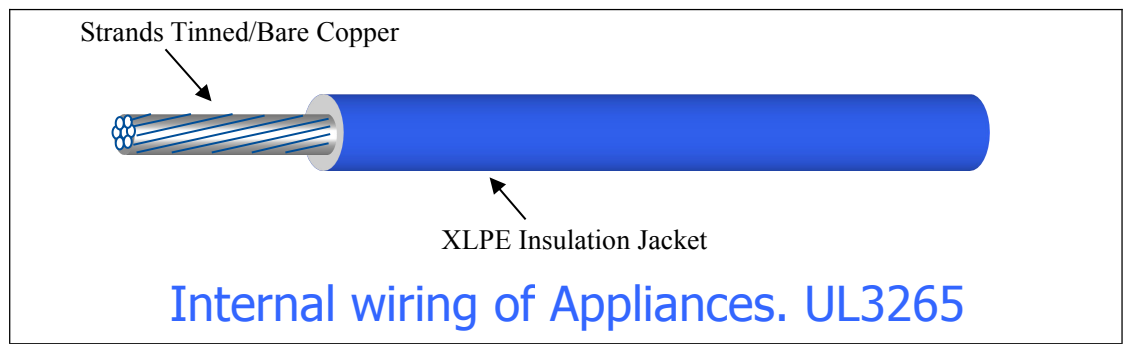
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

Internal wiring of Appliances. Conductor temperature not over 125°C XLPE insulated wire  
 Rated temperature: 125°C rated voltage: 150V

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.
3265	16	19/0.30	14.60	1.51	0.25	0.21	2.00	±0.10
	16	26/0.254	14.60	1.50	0.25	0.21	2.00	±0.10
	18	19/0.235	23.20	1.18	0.25	0.21	1.65	±0.10
	18	16/0.254	23.20	1.17	0.25	0.21	1.65	±0.10
	20	19/0.19	36.70	0.95	0.25	0.21	1.45	±0.10
	20	21/0.18	36.70	0.95	0.25	0.21	1.45	±0.10
	22	19/0.15	59.4	0.76	0.25	0.21	1.26	±0.10
	22	17/0.16	59.40	0.76	0.25	0.21	1.26	±0.10
	24	19/0.127	94.20	0.64	0.25	0.21	1.14	±0.10
	24	11/0.16	94.20	0.61	0.25	0.21	1.10	±0.10
	24	7/0.20	94.20	0.61	0.25	0.21	1.10	±0.10
	26	19/0.1	150.00	0.50	0.25	0.21	1.00	±0.10
	26	7/0.16	150.00	0.48	0.25	0.21	0.98	±0.10
	28	7/0.127	239.00	0.38	0.25	0.21	0.88	±0.10
	30	7/0.10	381.00	0.30	0.25	0.21	0.80	±0.10

**Marking:** E211048 AWM STYLE 3265 NO.AWG 125°C 150V XLPE QIFURUI AWM I A 125°C 150V FT2 -LF-  
 OR: E211048 AWM STYLE 3265 NO. AWG 125°C 150V XLPE QIFURUI 221756  
 CSA AWM I A 125°C 150V 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				
16AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	
According to customer requirements for packaging packaging					

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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 Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**

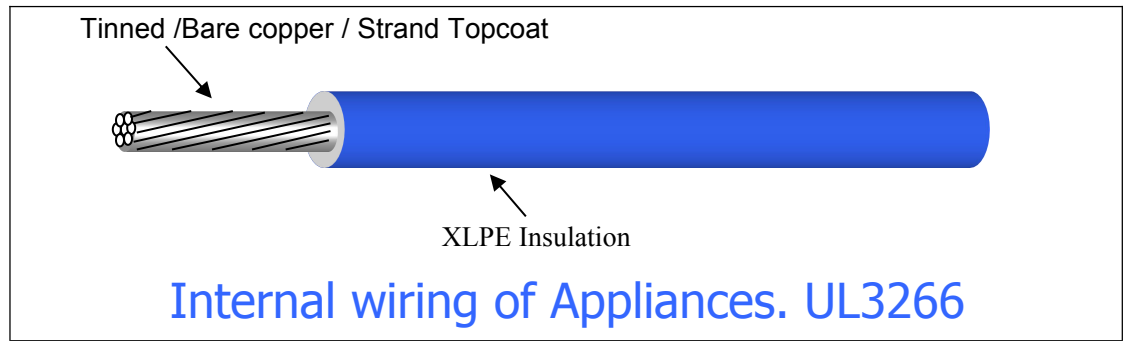
**SAE COLOR SERIES**

* 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
	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input checked="" 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
	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft
	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft

According to customer requirements for packaging packaging



**Wire structure description:**

Conductor: Tinned /Bare copper / Strand Topcoat  
 Insulation materials: XLPE Insulation

Internal wiring of Appliances. Conductor temperature not over 125°C XLPE insulated wire  
 Rated temperature: 125°C rated voltage: 300V

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.
3266	10	105/0.254	3.54	3.00	0.50	0.33	4.00	±0.15
	10	37/0.42	3.54	2.95	0.50	0.33	3.95	±0.15
	12	65/0.254	5.64	2.36	0.50	0.33	3.40	±0.15
	14	41/0.254	8.96	1.88	0.50	0.33	2.90	±0.15
	16	19/0.30	14.60	1.50	0.40	0.33	2.30	±0.1
		26/0.254	14.60	1.50	0.40	0.33	2.30	±0.1
	18	41/0.16	23.20	1.18	0.40	0.33	2.00	±0.1
		34/0.18	23.20	1.21	0.40	0.33	2.00	±0.1
		19/0.235	23.20	1.18	0.40	0.33	2.00	±0.1
		16/0.254	23.20	1.18	0.40	0.33	2.00	±0.1
	20	1/1.02	23.20	1.02	0.40	0.33	1.82	±0.1
		21/0.18	36.70	0.95	0.40	0.33	1.75	±0.1
		19/0.19	36.70	0.95	0.40	0.33	1.75	±0.1
	22	1/0.813	36.70	0.813	0.40	0.33	1.61	±0.1
		19/0.15	59.40	0.75	0.40	0.33	1.55	±0.1
		17/0.16	59.40	0.76	0.40	0.33	1.56	±0.1
		7/0.254	59.40	0.76	0.40	0.33	1.56	±0.1
	24	1/0.65	56.40	0.65	0.40	0.33	1.45	±0.1
		11/0.16	94.20	0.61	0.40	0.33	1.41	±0.1
		19/0.12	94.20	0.60	0.40	0.33	1.41	±0.1
26	1/0.51	89.30	0.51	0.40	0.33	1.31	±0.1	
	7/0.16	150.00	0.48	0.40	0.33	1.28	±0.1	
28	7/0.127	239.00	0.38	0.40	0.33	1.18	±0.1	
30	7/0.10	381.00	0.30	0.40	0.33	1.10	±0.10	

Marking : E211048 AWM STYLE 3266 NO.AWG 125°C 300V XLPE QIFURUI   
 AWM I A 125°C 300V FT2 -LF-

E211048 AWM STYLE 3266 NO.AWG 125°C 300V VW-1 XLPE QIFURUI   
 AWM I A 125°C 300V FT2 -LF-

OR: E211048 AWM STYLE 3266 NO. AWG 125°C 300V XLPE QIFURUI 221756  
 CSA AWM I A 125°C 300V FT2 -LF-

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

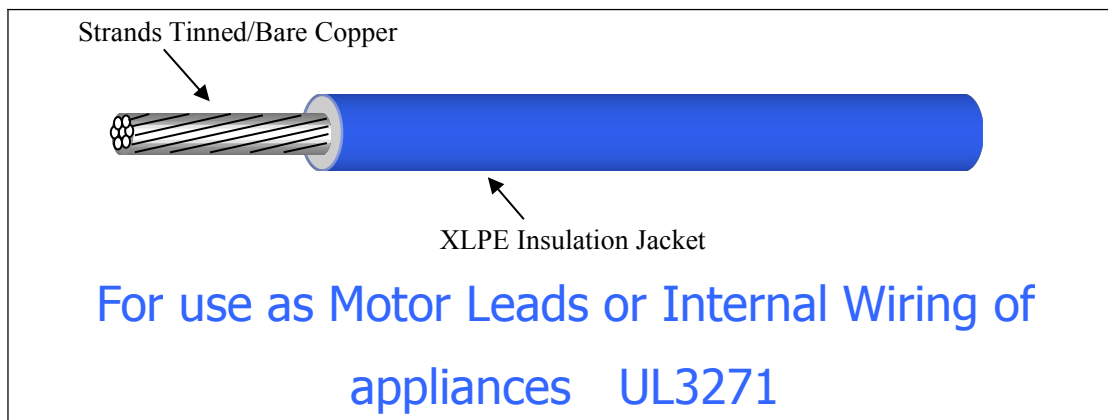
**SHOULD BE USED:**

For use as 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 of Appliances. 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.
3271	10	105/0.254	3.54	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
	18	19/0.235	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 3271 NO.AWG 125°C 600V VW-1 XLPE QIFURUI  
 c AWM I A 125°C 600V FT1 -LF-  
 E211048 AWM STYLE 3271 NO.AWG 125°C 600V XLPE QIFURUI c AWM I A 125°C 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3271 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	
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

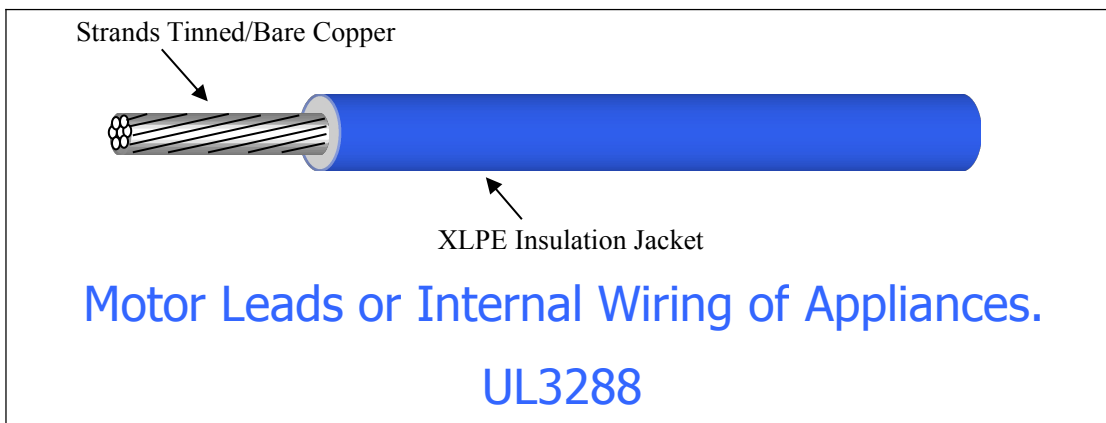
**SHOULD BE USED:**

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 of Appliances. Conductor temperature not over 150°C XLPE insulated wire  
Rated temperature: 150°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.
3288	10	105/0.254	3.54	3.00	0.80	0.69	4.60	±0.15
	12	65/0.254	5.64	2.42	0.80	0.69	3.95	±0.15
	14	41/0.254	8.96	1.92	0.80	0.69	3.45	±0.15
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.1
	18	16/0.254	23.20	1.18	0.80	0.69	2.75	±0.1
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.1
	22	17/0.16	59.40	0.76	0.80	0.69	2.35	±0.1
	24	11/0.16	94.20	0.61	0.80	0.69	2.20	±0.1
	26	7/0.16	150.00	0.48	0.80	0.69	2.08	±0.1
	28	7/0.127	239.00	0.38	0.80	0.69	1.98	±0.1
	30	7/0.10	381.00	0.30	0.80	0.69	1.90	±0.10

**Marking:** E211048 AWM STYLE 3288 NO.AWG 150°C 600V XLPE QIFURUI   
AWM I A 150°C 600V FT2 -LF-  
E211048 AWM STYLE 3288 NO.AWG 150°C 600V VW-1 XLPE QIFURUI   
AWM I A 150°C 600V FT1 -LF-  
OR: E211048 AWM STYLE 3288 NO. AWG 150°C 600V XLPE QIFURUI 221756  
CSA AWM I A 150°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	
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

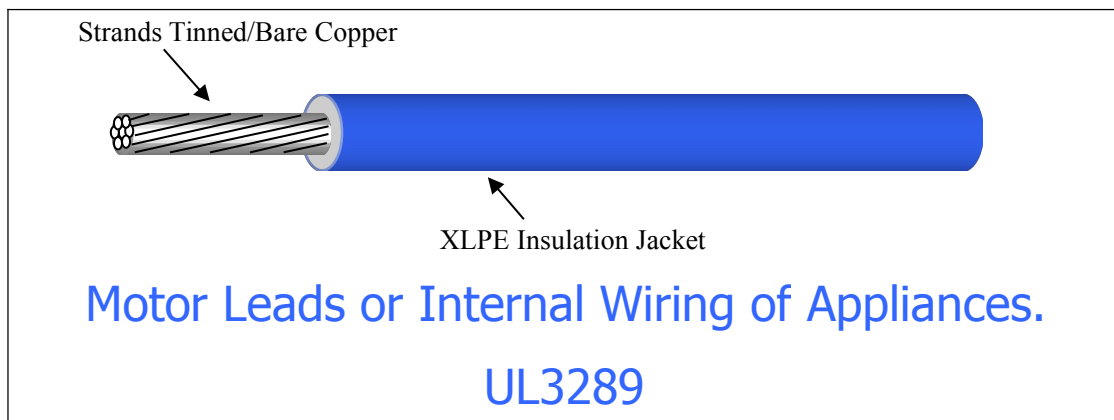
**SHOULD BE USED:**

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 of Appliances. Conductor temperature not over150℃ XLPE insulated wire  
 Rated temperature: 150℃ 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.
3289	10	105/0.254	3.54	3.00	0.80	0.69	4.60	±0.15
	12	65/0.254	5.64	2.42	0.80	0.69	3.95	±0.15
	14	41/0.254	8.96	1.92	0.80	0.69	3.45	±0.15
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.1
	18	16/0.254	23.20	1.18	0.80	0.69	2.75	±0.1
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.1
	22	17/0.16	59.40	0.76	0.80	0.69	2.35	±0.1
	24	11/0.16	94.20	0.61	0.80	0.69	2.20	±0.1
	26	7/0.16	150.00	0.48	0.80	0.69	2.08	±0.1
	28	7/0.127	239.00	0.38	0.80	0.69	1.98	±0.1
	30	7/0.10	381.00	0.30	0.80	0.69	1.90	±0.1

**Marking:** E211048 AWM STYLE 3289 NO.AWG 150℃ 600V XLPE QIFURUI AWM I A 150℃ 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3289 NO. AWG 150℃ 600V XLPE QIFURUI 221756 CSA AWM I A 150℃ 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	
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

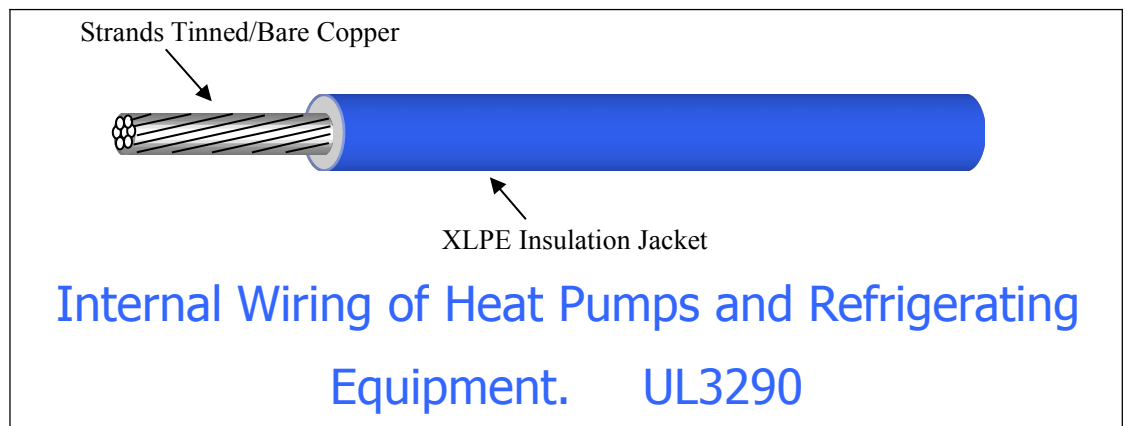
**SHOULD BE USED:**

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℃ 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.
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℃ 600V XLPE QIFURUI AWM I A 125℃ 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3290 NO. AWG 125℃ 600V XLPE QIFURUI 221756 CSA 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				
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					

**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

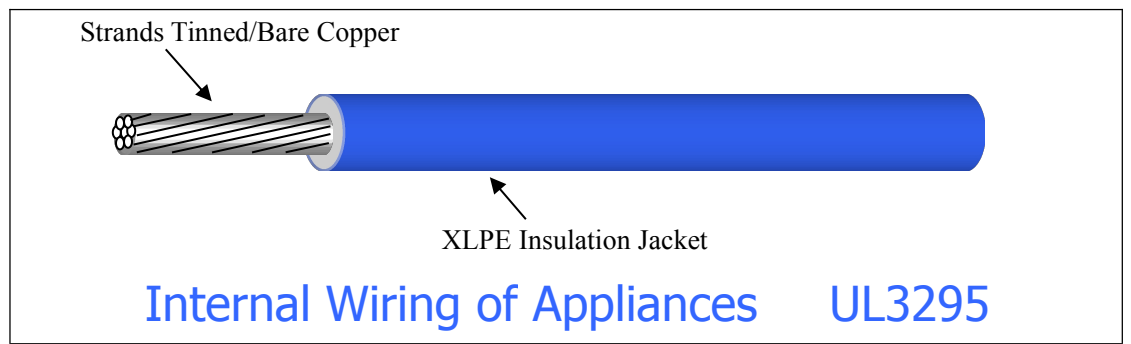
**SHOULD BE USED:**

Internal Wiring of 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.
3295	10	105/0.254	3.54	3.00	2.00	1.78	7.00	±0.15
	12	65/0.254	5.64	2.36	2.00	1.78	6.35	±0.15
	14	41/0.254	8.96	1.88	2.00	1.78	5.90	±0.15

**Marking:** E211048 AWM STYLE 3295 NO.AWG 125℃ 600V XLPE QIFURUI   
 AWM I A 125℃ 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3295 NO. AWG 125℃ 600V XLPE QIFURUI 221756  
 CSA 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				
10AWG	<input type="checkbox"/> 200Ft	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
12~14AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

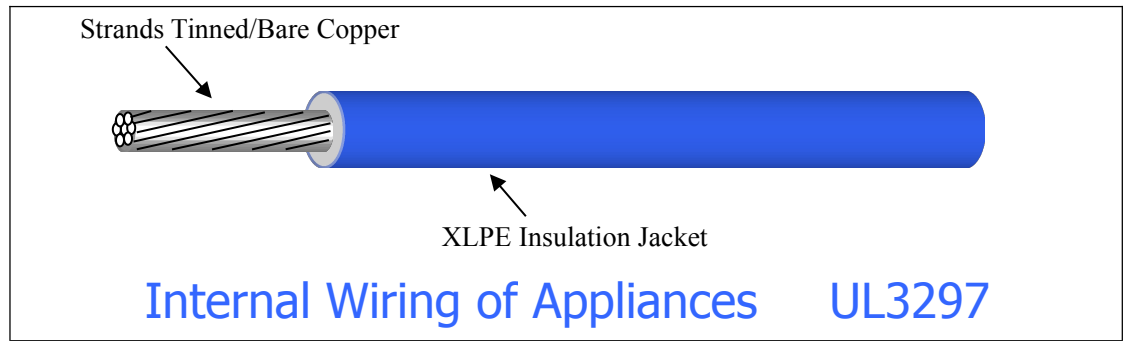
**SHOULD BE USED:**

Internal Wiring of 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.
3297	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

**Marking:** E211048 AWM STYLE 3297 NO.AWG 125℃ 600V XLPE QIFURUI   
 AWM I A 125℃ 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3297 NO. AWG 125℃ 600V XLPE QIFURUI 221756  
 CSA 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			
16-18AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft
According to customer requirements for packaging packaging				

**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

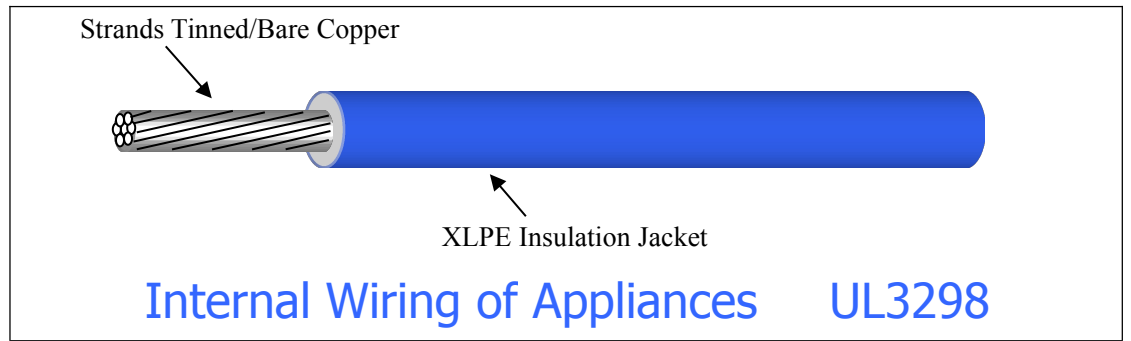
**SHOULD BE USED:**

Internal Wiring of 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.
3298	16	26/0.254	14.60	1.50	1.15	1.04	3.80	±0.15
	18	16/0.254	23.20	1.17	1.15	1.04	3.45	±0.15
	20	21/0.18	36.70	0.95	1.15	1.04	3.25	±0.15

**Marking:** E211048 AWM STYLE 3298 NO.AWG 125℃ 600V XLPE QIFURUI   
 AWM I A 125℃ 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3298 NO. AWG 125℃ 600V XLPE QIFURUI 221756  
 CSA 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			
16-22AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft

According to customer requirements for packaging packaging



**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

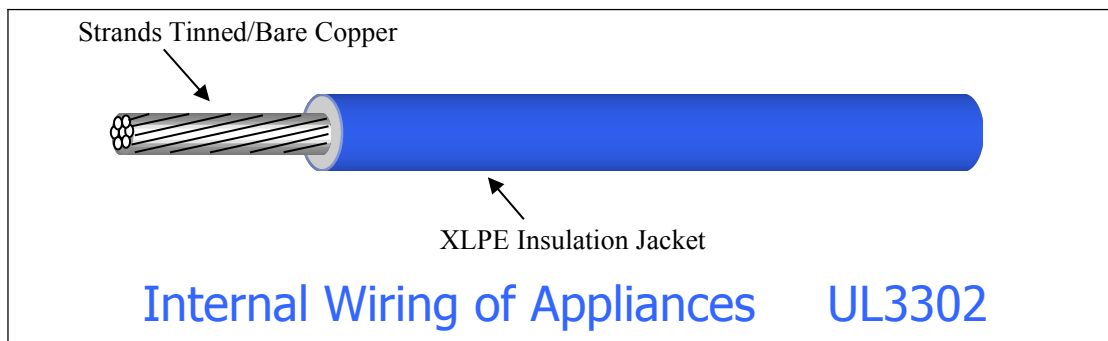
**SHOULD BE USED:**

Internal Wiring of Appliances

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

Internal wiring 。 Conductor temperature not over105℃ XLPE insulated wire  
 Rated temperature: 105℃ rated voltage: 30V

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.
3302	10	105/0.251	3.54	3.08	0.35	0.20	3.70	±0.15
	12	65/0.251	5.64	2.34	0.35	0.20	3.05	±0.15
	14	41/0.251	8.96	1.86	0.35	0.20	2.56	±0.15
	16	26/0.251	14.60	1.48	0.25	0.20	1.98	±0.10
	18	16/0.254	23.20	1.17	0.25	0.20	1.67	±0.10
	20	21/0.18	36.70	0.95	0.25	0.20	1.45	±0.10
	22	17/0.16	59.40	0.76	0.25	0.20	1.26	±0.10
	24	11/0.16	94.20	0.61	0.25	0.20	1.11	±0.10
	26	7/0.16	150.00	0.48	0.25	0.20	0.98	±0.10
	28	7/0.127	239.00	0.38	0.25	0.20	0.88	±0.10
	30	7/0.10	381.00	0.30	0.25	0.20	0.80	±0.10

**Marking:** E211048 AWM STYLE 3302 NO.AWG 105℃ 30V XLPE QIFURUI   
 AWM I A 105℃ 30V FT2 -LF-  
 OR: E211048 AWM STYLE 3302 NO. AWG 105℃ 30V XLPE QIFURUI 221756  
 CSA AWM I A 105℃ 30V 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	
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

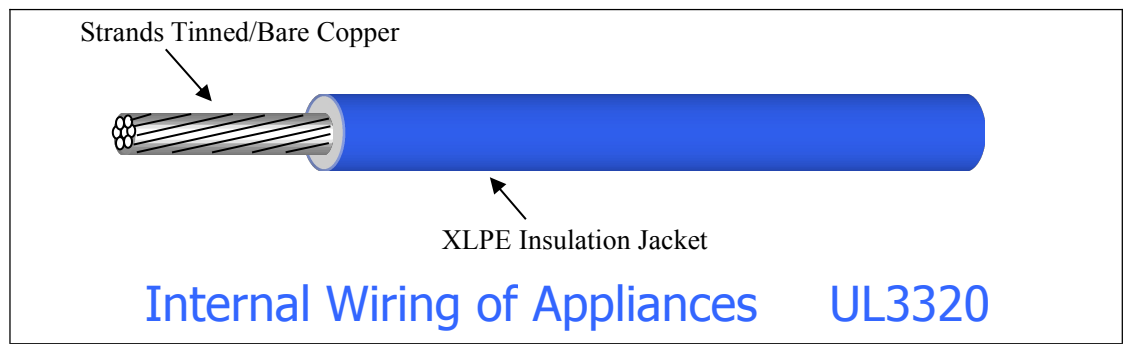
**SHOULD BE USED:**

Internal Wiring of Appliances

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

Internal wiring 。 Conductor temperature not over 90℃ XLPE insulated wire  
 Rated temperature: 90℃ 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.
3320	10	105/0.254	3.54	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	±0.15
	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 3320 NO.AWG 90℃ 600V XLPE QIFURUI AWM IA 90℃ 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	
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

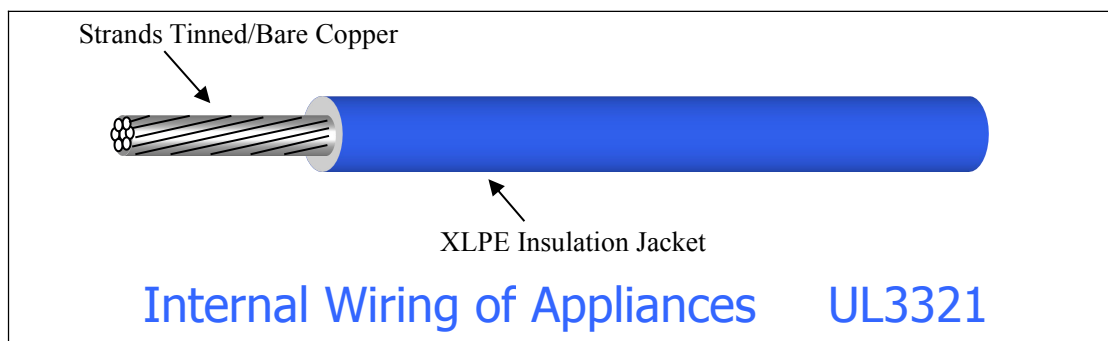
**SHOULD BE USED:**

Internal Wiring of Appliances

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring 。 Conductor temperature not over 150℃ XLPE insulated wire  
Rated temperature: 150℃ rated voltage: 600V

STYLE	standard AWG	Conductor size (No./ mm)	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3321	10	105/0.254	3.54	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	1.92	0.80	0.69	3.50	±0.15
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.1
	18	16/0.254	23.20	1.18	0.80	0.69	2.75	±0.1
		7/0.39	23.20	1.18	0.80	0.69	2.75	±0.1
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.1
		10/0.254	36.70	0.92	0.80	0.69	2.50	±0.1
		1/0.813	36.70	0.813	0.80	0.69	2.41	±0.1
	22	17/0.16	59.40	0.76	0.80	0.69	2.35	±0.1
	24	11/0.16	94.20	0.61	0.80	0.69	2.20	±0.1
	26	7/0.16	150.00	0.48	0.80	0.69	2.08	±0.1
28	7/0.127	239.00	0.38	0.80	0.69	1.98	±0.1	
30	7/0.10	381.00	0.30	0.80	0.69	1.90	±0.1	

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

**Marking:** E211048 AWM STYLE 3321 NO.AWG 150℃ 600V XLPE QIFURUI c   
AWM I A 150℃ 600V FT2 -LF-

E211048 AWM STYLE 3321 NO.AWG 150℃ 600V VW-1 XLPE QIFURUI c   
AWM I A 150℃ 600V FT2 -LF-

OR: E211048 AWM STYLE 3321 NO. AWG 150℃ 600V XLPE QIFURUI 221756  
CSA AWM I A 150℃ 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
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft

According to customer requirements for packaging packaging



**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

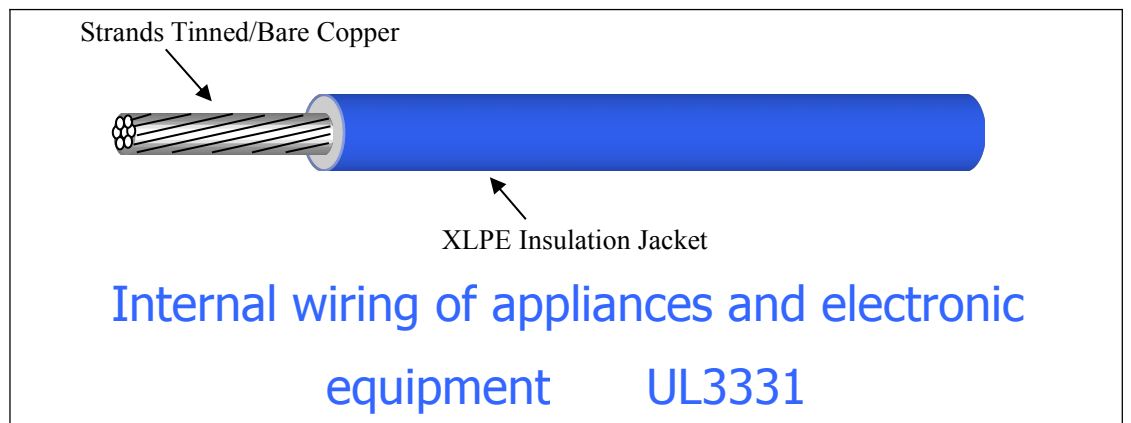
**SHOULD BE USED:**

Internal wiring of appliances and electronic 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℃ 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.
3331	10	105/0.254	3.54	3.00	0.80	0.69	4.60	±0.15
	12	65/0.254	5.64	2.42	0.80	0.69	3.95	±0.15
	14	41/0.254	8.96	1.92	0.80	0.69	3.50	±0.15
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.1
	18	16/0.254	23.20	1.18	0.80	0.69	2.75	±0.1
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.1
	22	17/0.16	59.40	0.76	0.80	0.69	2.35	±0.1
	24	11/0.16	94.20	0.61	0.80	0.69	2.20	±0.1
	26	7/0.16	150.00	0.48	0.80	0.69	2.08	±0.1
	28	7/0.127	239.00	0.38	0.80	0.69	1.98	±0.1
	30	7/0.10	381.00	0.30	0.80	0.69	1.90	±0.1

**Marking:** E211048 AWM STYLE 3331 NO.AWG 125℃ 600V XLPE QIFURUI   
AWM I A 125℃ 600V FT2 -LF-  
OR: E211048 AWM STYLE 3331 NO. AWG 125℃ 600V XLPE QIFURUI 221756  
CSA 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				
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	
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

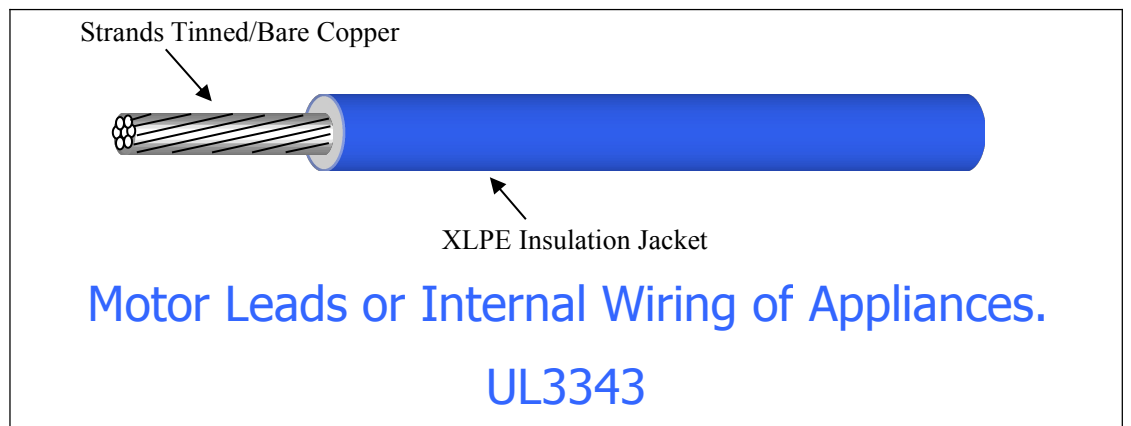
**SHOULD BE USED:**

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					

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

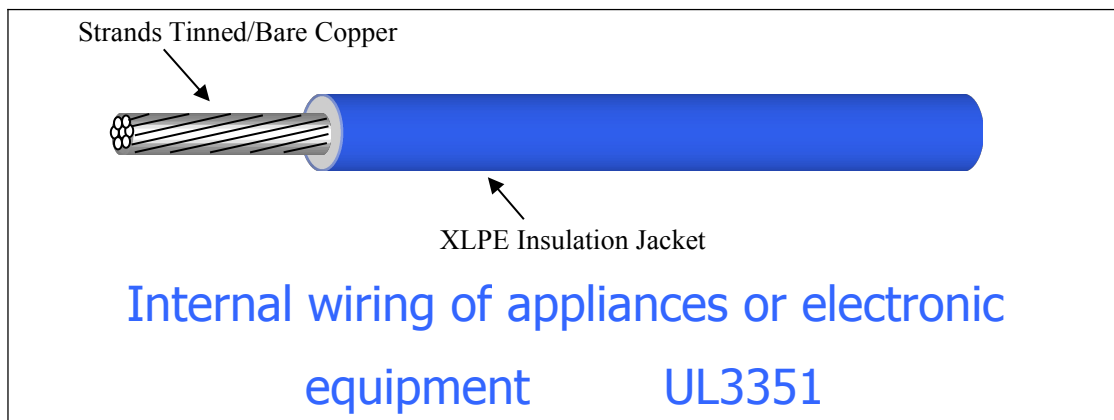
**SHOULD BE USED:**

Internal wiring of appliances or electronic 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℃ 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.
3351	10	105/0.254	3.54	3.00	0.80	0.69	4.60	±0.15
	12	65/0.254	5.64	2.42	0.80	0.69	3.95	±0.15
	14	41/0.254	8.96	1.92	0.80	0.69	3.50	±0.15
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.1
	18	16/0.254	23.20	1.18	0.80	0.69	2.75	±0.1
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.1
	22	17/0.16	59.40	0.76	0.80	0.69	2.35	±0.1
	24	11/0.16	94.20	0.61	0.80	0.69	2.20	±0.1
	26	7/0.16	150.00	0.48	0.80	0.69	2.08	±0.1
	28	7/0.127	239.00	0.38	0.80	0.69	1.98	±0.1
	30	7/0.10	381.00	0.30	0.80	0.69	1.90	±0.1

**Marking:** E211048 AWM STYLE 3351 NO.AWG 125℃ 600V XLPE QIFURUI   
 AWM I A 125℃ 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3351 NO. AWG 125℃ 600V XLPE QIFURUI 221756  
 CSA 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				
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	
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

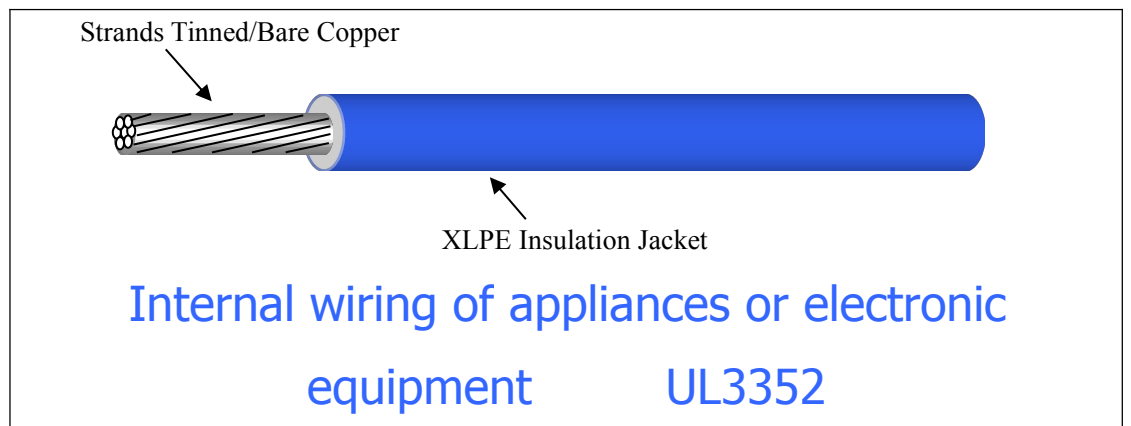
**SHOULD BE USED:**

Internal wiring of appliances or electronic 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℃ 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.
3352	06	7/60/0.254	1.403	6.80	1.15	1.01	9.10	±0.15
	08	168/0.254	2.23	3.80	1.15	1.01	6.10	±0.15
	10	105/0.254	3.54	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

**Marking:** E211048 AWM STYLE 3352 NO.AWG 125℃ 600V XLPE QIFURUI   
 AWM I A 125℃ 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3352 NO. AWG 125℃ 600V XLPE QIFURUI 221756  
 CSA 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				
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	
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

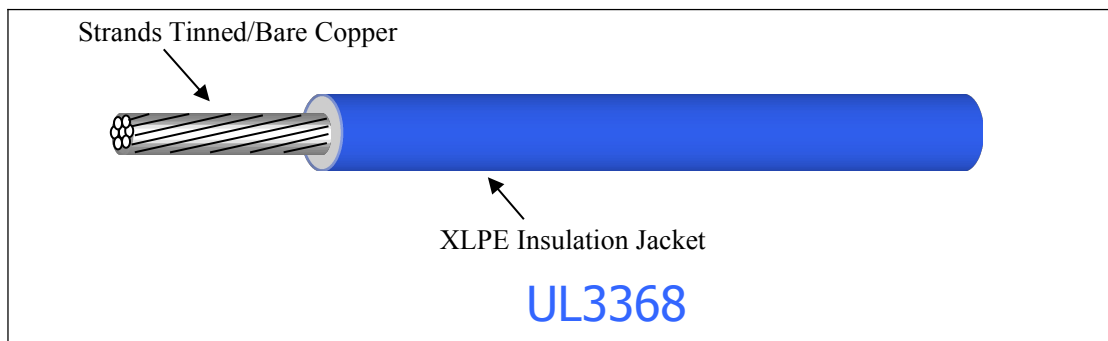
**SHOULD BE USED:**

As the nonintegrally insulated grounding conductor for SP-1, -2, -3, SPT-1, -2, -3 or HPN.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

insulated grounding wiring 。 Conductor temperature not over 105℃ XLPE insulated wire  
 Rated temperature: 105℃ rated voltage: 300V

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.
3368	10	105/0.254	3.55	3.00	0.40	0.33	3.80	±0.15
	12	65/0.254	5.64	2.37	0.40	0.33	3.17	±0.15
	14	19/0.361	8.96	1.88	0.40	0.33	2.68	±0.15
		41/0.254	8.96	1.88	0.40	0.33	2.68	±0.15
	16	7/0.455	14.6	1.50	0.40	0.33	2.30	±0.10
		26/0.254	14.6	1.50	0.40	0.33	2.30	±0.10
		19/0.287	14.6	1.50	0.40	0.33	2.30	±0.10
	18	1/1.02	22.2	1.02	0.40	0.33	1.82	±0.10
		7/0.404	23.2	1.18	0.40	0.33	1.98	±0.10
		16/0.254	23.2	1.18	0.40	0.33	1.98	±0.10
		19/0.226	23.2	1.18	0.40	0.33	1.98	±0.10

**Marking:** E211048 AWM STYLE 3368 NO.AWG 105℃ 300V VW-1 XLPE QIFURUI  
 c AWM IA 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

**PACKAGE**

*PACKAGE					
Part No.	Packing- FT/roll				3F
10AWG	<input type="checkbox"/> 200Ft	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
12~18AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

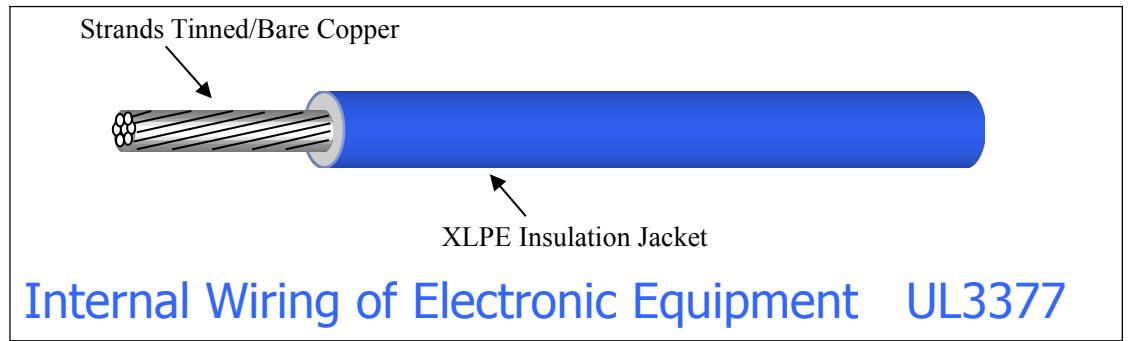
**SHOULD BE USED:**

Internal Wiring of Electronic Equipment

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

Internal wiring 。 Conductor temperature not over 105℃ XLPE insulated wire  
 Rated temperature: 105℃ 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.
3377	10	105/0.254	3.54	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	2.10	±0.10
	28	7/0.127	239.00	0.38	0.80	0.69	2.00	±0.10
	30	7/0.10	381.00	0.30	0.80	0.69	1.90	±0.10

**Marking:** E211048 AWM STYLE 3377 NO.AWG 105℃ 600V XLPE QIFURUI AWM I A 105℃ 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3377 NO. AWG 105℃ 600V XLPE QIFURUI 221756 CSA AWM I A 105℃ 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"/> 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

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

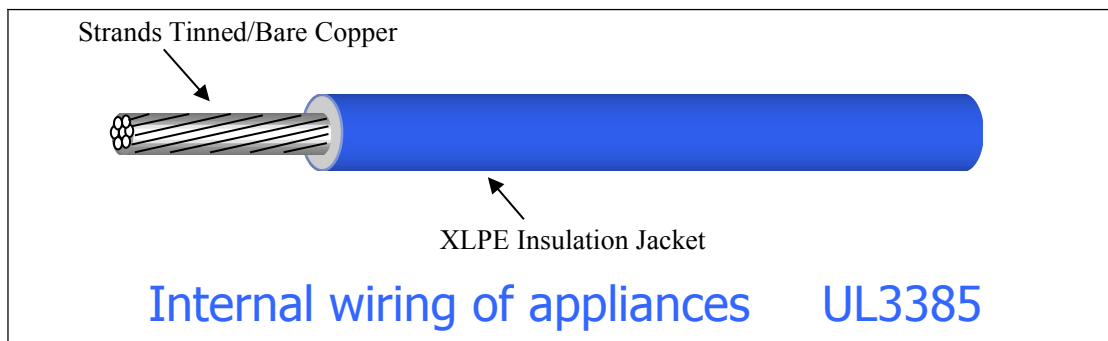
**SHOULD BE USED:**

Internal wiring of appliances

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

Internal wiring 。 Conductor temperature not over 105℃ XLPE insulated wire  
 Rated temperature: 105℃ rated voltage: 300V

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.
3385	10	105/0.254	3.54	3.00	0.50	0.43	4.00	±0.15
	12	65/0.254	5.64	2.36	0.50	0.43	3.36	±0.15
	14	41/0.254	8.96	1.88	0.50	0.43	2.90	±0.15
	16	19/0.30	14.60	1.51	0.40	0.33	2.30	±0.10
		26/0.254	14.60	1.50	0.40	0.33	2.30	±0.10
	18	19/0.254	23.2	1.28	0.40	0.33	2.08	±0.10
		16/0.254	23.20	1.17	0.40	0.33	1.95	±0.10
	20	21/0.18	36.70	0.95	0.40	0.33	1.75	±0.10
		7/0.30	36.7	0.92	0.40	0.33	1.72	±0.10
	22	26/0.16	36.70	0.94	0.40	0.33	1.74	±0.10
		7/0.254	59.40	0.77	0.40	0.33	1.56	±0.10
	24	17/0.16	59.40	0.76	0.40	0.33	1.56	±0.10
		7/0.20	94.20	0.61	0.40	0.33	1.41	±0.10
	26	11/0.16	94.20	0.61	0.40	0.33	1.41	±0.10
		7/0.16	150.00	0.48	0.40	0.33	1.28	±0.10
28	7/0.127	239.00	0.38	0.40	0.33	1.18	±0.10	
30	7/0.10	381.00	0.30	0.40	0.33	1.10	±0.10	

**Marking:** E211048 AWM STYLE 3385 NO.AWG 105℃ 300V XLPE QIFURUI   
 AWM I A 105℃ 300V FT2 -LF-  
 OR: E211048 AWM STYLE 3385 NO. AWG 105℃ 300V XLPE QIFURUI 221756  
 CSA AWM I A 105℃ 300V 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

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

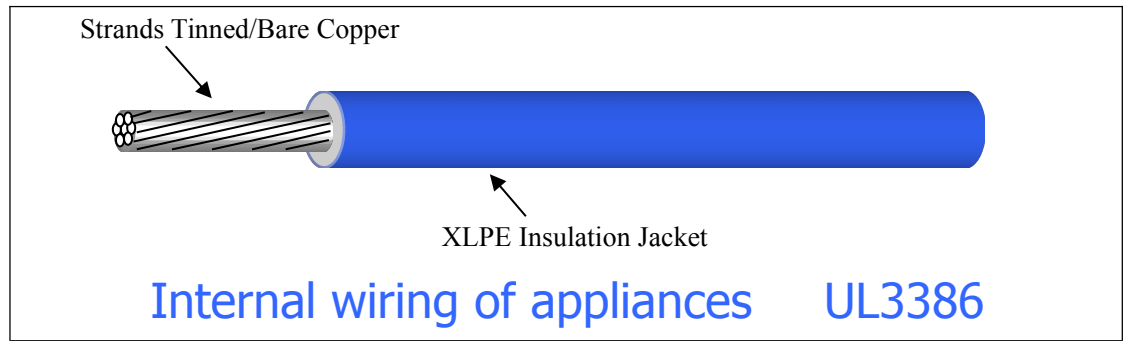
**SHOULD BE USED:**

Internal wiring of appliances

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring 。 Conductor temperature not over 105℃ XLPE insulated wire  
Rated temperature: 105℃ 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.
3386	3/0	7/37/0.643	0.219	13.55	2.03	1.83	17.61	±0.30
	2/0	19/70/0.254	0.277	12.20	2.03	1.83	16.26	±0.30
	1/0	19/55/0.254	0.349	10.89	2.03	1.83	14.85	±0.30
	1	19/44/0.254	0.440	9.72	2.03	1.83	13.78	±0.20
	2	7/95/0.254	0.555	8.56	1.52	1.37	11.60	±0.20
	3	7/28/0.404	0.700	7.41	1.52	1.37	10.45	±0.20
	4	7/60/0.254	0.882	6.81	1.52	1.37	9.85	±0.20
	5	7/46/0.254	1.113	5.96	1.52	1.37	9.00	±0.20
	6	7/38/0.254	1.403	5.41	1.52	1.37	8.45	±0.20
	7	7/30/0.254	1.768	4.82	1.15	1.01	7.12	±0.20
	8	168/0.254	2.230	3.80	1.15	1.01	6.10	±0.15
	10	105/0.254	3.54	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	±0.15
	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 3386 NO.AWG 105℃ 600V XLPE QIFURUI   
AWM I A 105℃ 600V FT2 -LF-  
E211048 AWM STYLE 3386 NO.AWG 105℃ 600V VW-1 XLPE QIFURUI   
AWM I A 105℃ 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			
3/0~4AWG	<input type="checkbox"/> 100Ft	<input checked="" type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft
5~8AWG	<input type="checkbox"/> 100Ft	<input type="checkbox"/> 250Ft	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

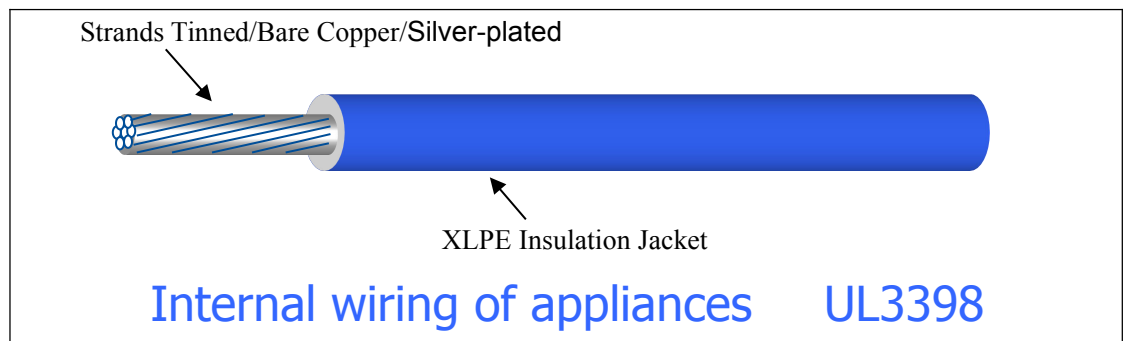
**SHOULD BE USED:**

Internal wiring where not subjected to movement or mechanical damage.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**  
 Conductor: Tinned /Bare copper/Silver-plated ;  
 Insulation materials: XLPE Insulation

Internal wiring 。 Conductor temperature not over 150℃ XLPE insulated wire  
 Rated temperature: 150℃ rated voltage: 300V

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.
3398	10	105/0.254	3.54	3.00	0.38	0.33	3.76	±0.15
	12	65/0.254	5.64	2.36	0.38	0.33	3.12	±0.15
	14	41/0.254	8.96	1.88	0.38	0.33	2.64	±0.15
	16	19/0.30	14.60	1.50	0.38	0.33	2.26	±0.10
	16	26/0.254	14.60	1.50	0.38	0.33	2.26	±0.10
	16	50/0.18	14.60	1.47	0.38	0.33	2.23	±0.10
	18	16/0.254	23.20	1.17	0.38	0.33	1.93	±0.10
	18	19/0.235	23.20	1.17	0.38	0.33	1.93	±0.10
	20	1/0.813	36.70	0.813	0.38	0.33	1.57	±0.10
	20	19/0.19	36.70	0.95	0.38	0.33	1.71	±0.10
	20	21/0.18	36.70	0.95	0.38	0.33	1.71	±0.10
	22	1/0.65	56.40	0.65	0.38	0.33	1.41	±0.10
	22	17/0.16	59.40	0.76	0.38	0.33	1.52	±0.10
	22	19/0.15	59.40	0.75	0.38	0.33	1.51	±0.10
	24	11/0.16	94.20	0.61	0.38	0.33	1.37	±0.10
	26	7/0.16	150.00	0.48	0.38	0.33	1.24	±0.10
28	7/0.127	239.00	0.38	0.38	0.33	1.14	±0.10	
30	7/0.10	381.00	0.30	0.38	0.33	1.06	±0.10	

**Marking:** E211048 AWM STYLE 3398 NO.AWG 150℃ 300V XLPE QIFURUI   
 AWM I A 150℃ 300V FT2 -LF-  
 OR: E211048 AWM STYLE 3398 NO. AWG 150℃ 300V VW-1 XLPE QIFURUI   
 AWM I A 150℃ 300V FT2 -LF-  
 OR: E211048 AWM STYLE 3398 NO. AWG 150℃ 300V XLPE QIFURUI 221756  
 CSA AWM I A 150℃ 300V 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



**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

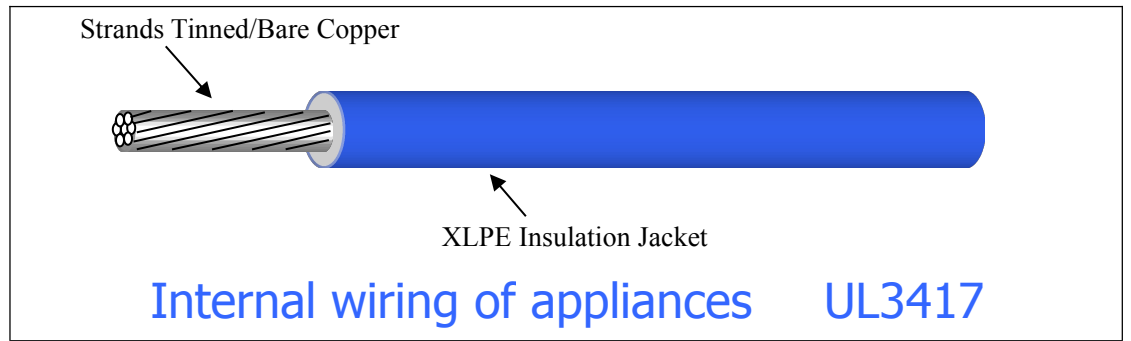
**SHOULD BE USED:**

Internal wiring .

**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: 30V

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.
3417	10	105/0.254	3.54	3.00	0.35	0.20	3.70	±0.15
	12	65/0.254	5.64	2.36	0.30	0.20	3.00	±0.15
	14	41/0.254	8.96	1.88	0.30	0.20	2.50	±0.15
	16	26/0.254	14.60	1.50	0.30	0.20	2.10	±0.10
	18	16/0.254	23.20	1.17	0.30	0.20	1.75	±0.10
	20	21/0.18	36.70	0.95	0.25	0.20	1.46	±0.10
	22	17/0.16	59.40	0.76	0.25	0.20	1.26	±0.10
	24	11/0.16	94.20	0.61	0.25	0.20	1.10	±0.10
	26	7/0.16	150.00	0.48	0.25	0.20	1.00	±0.10
	28	7/0.127	239.00	0.38	0.25	0.20	0.90	±0.10
30	7/0.10	381.00	0.30	0.25	0.20	0.80	±0.10	

**Marking:** E211048 AWM STYLE 3417 NO.AWG 125℃ 30V XLPE QIFURUI   
 AWM I A 125℃ 30V FT2 -LF-  
 OR: E211048 AWM STYLE 3417 NO. AWG 125℃ 30V XLPE QIFURUI 221756  
 CSA AWM I A 125℃ 30V 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

**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

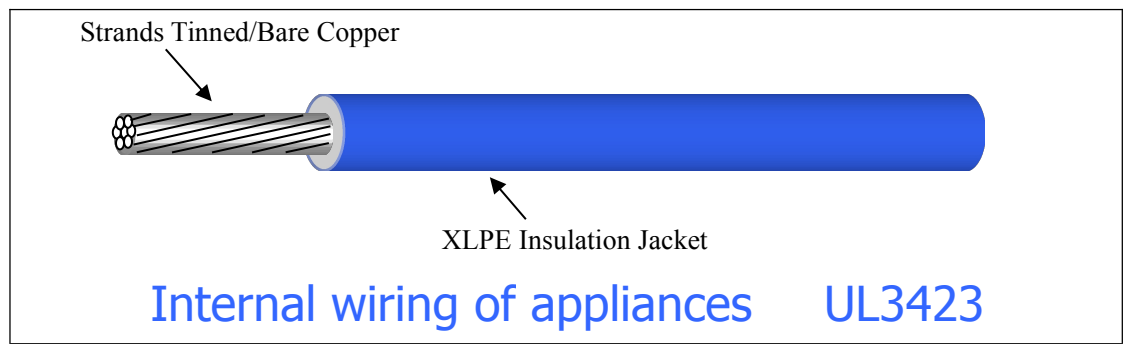
**SHOULD BE USED:**

Internal wiring where not exposed to mechanical abuse.

**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: 300V

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.
3423	16	26/0.254	14.60	1.50	0.40	0.33	2.30	±0.10
	18	16/0.254	23.20	1.17	0.40	0.33	1.95	±0.10
	20	21/0.18	36.70	0.95	0.40	0.33	1.75	±0.10
	22	17/0.16	59.40	0.76	0.40	0.33	1.56	±0.10
	24	11/0.16	94.20	0.61	0.40	0.33	1.41	±0.10
	26	7/0.16	150.00	0.48	0.40	0.33	1.28	±0.10
	28	7/0.127	239.00	0.38	0.40	0.33	1.18	±0.10
	30	7/0.10	381.00	0.30	0.40	0.33	1.10	±0.10

**Marking:** E211048 AWM STYLE 3423 NO.AWG 125℃ 300V XLPE QIFURUI   
 AWM I A 125℃ 300V FT2 -LF-  
 OR: E211048 AWM STYLE 3423 NO. AWG 125℃ 300V XLPE QIFURUI 221756  
 CSA AWM I A 125℃ 300V 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				
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

**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

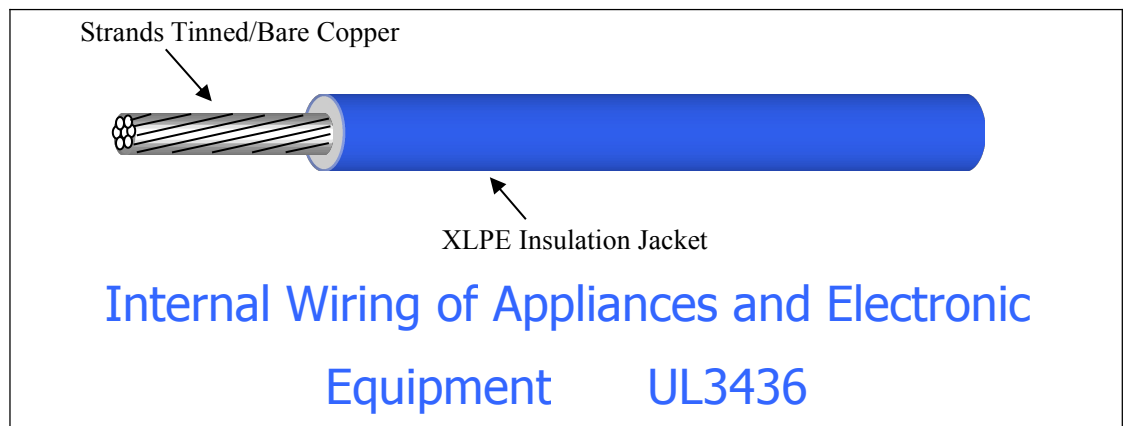
**SHOULD BE USED:**

Internal Wiring of Appliances and Electronic Equipment Where no flexing occurs either after installation or during servicing, temperatures not to exceed 150 deg C.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring 。 Conductor temperature not over 150℃ XLPE insulated wire  
Rated temperature: 150℃ 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.
3436	10	105/0.254	3.54	3.00	0.76	0.69	4.52	±0.15
	12	65/0.254	5.64	2.36	0.76	0.69	3.90	±0.15
	14	41/0.254	8.96	1.88	0.76	0.69	3.40	±0.15
	16	26/0.254	14.60	1.50	0.76	0.69	3.02	±0.10
	18	16/0.254	23.20	1.17	0.76	0.69	2.70	±0.10
	20	21/0.18	36.70	0.95	0.76	0.69	2.47	±0.10
	22	17/0.16	59.40	0.76	0.76	0.69	2.30	±0.10
	24	11/0.16	94.20	0.61	0.76	0.69	2.13	±0.10
	26	7/0.16	150.00	0.48	0.76	0.69	2.00	±0.10
	28	7/0.127	239.00	0.38	0.76	0.69	1.90	±0.10
30	7/0.10	381.00	0.30	0.76	0.69	1.82	±0.10	

**Marking:** E211048 AWM STYLE 3436 NO.AWG 150℃ 600V XLPE QIFURUI AWM I A 150℃ 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"/> 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

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

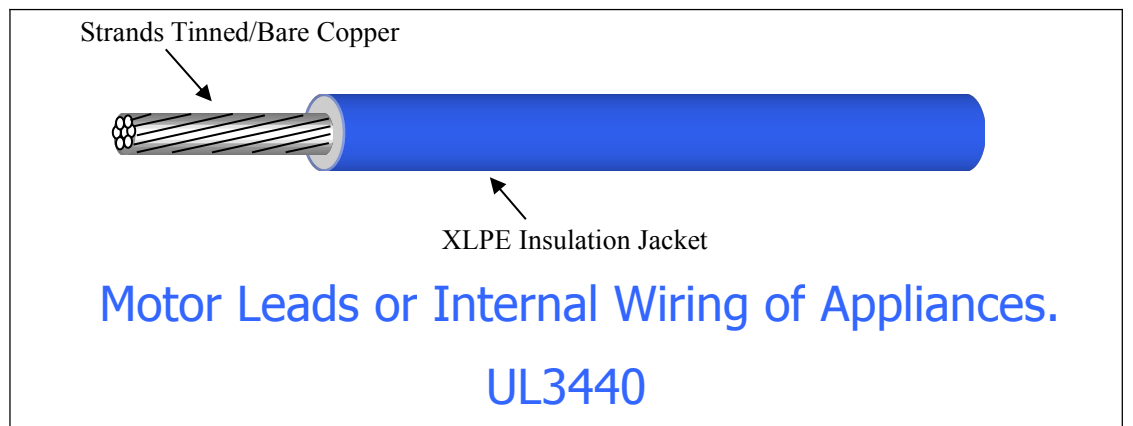
**SHOULD BE USED:**

Motor Leads or Internal Wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Motor Leads or Internal Wiring of Appliances. . Conductor temperature not over 105℃ XLPE insulated wire  
Rated temperature: 105℃ 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.
3440	10	105/0.254	3.54	3.00	0.80	0.69	4.60	±0.15
	12	65/0.254	5.64	2.42	0.80	0.69	3.95	±0.15
	14	41/0.254	8.96	1.92	0.80	0.69	3.50	±0.15
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.1
	18	16/0.254	23.20	1.18	0.80	0.69	2.75	±0.1
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.1
	22	17/0.16	59.40	0.76	0.80	0.69	2.35	±0.1
	24	11/0.16	94.20	0.61	0.80	0.69	2.20	±0.1
	26	7/0.16	150.00	0.48	0.80	0.69	2.08	±0.1
	28	7/0.127	239.00	0.38	0.80	0.69	1.98	±0.1
	30	7/0.10	381.00	0.30	0.80	0.69	1.90	±0.10

**Marking:** E211048 AWM STYLE 3440 NO.AWG 105℃ 600V XLPE QIFURUI AWM I A 105℃ 600V FT2 -LF-  
OR: E211048 AWM STYLE 3440 NO. AWG 105℃ 600V XLPE QIFURUI 221756 CSA AWM I A 105℃ 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	
18~30AWG	<input type="checkbox"/> 200Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

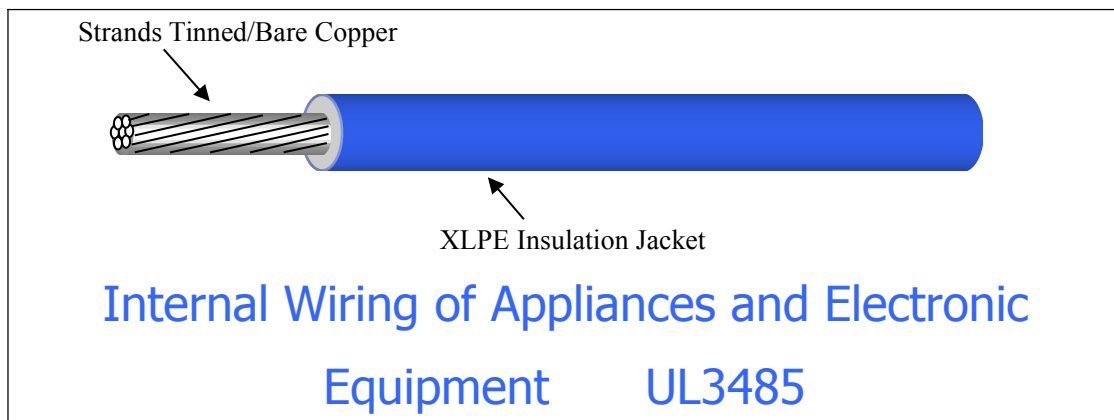
**SHOULD BE USED:**

Internal Wiring of Appliances and Electronic Equipment Where no flexing occurs either after installation or during servicing, temperatures not to exceed 150 deg C.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring 。 Conductor temperature not over 150℃ XLPE insulated wire  
Rated temperature: 150℃ 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.
3485	12	65/0.254	5.64	2.36	1.02	0.92	4.40	±0.15
	14	41/0.254	8.96	1.88	1.02	0.92	3.90	±0.15
	16	26/0.254	14.60	1.50	1.02	0.92	3.54	±0.10
	18	16/0.254	23.20	1.17	1.02	0.92	3.20	±0.10

**Marking:** E211048 AWM STYLE 3485 NO.AWG 150℃ 600V XLPE QIFURUI   
AWM I A 150℃ 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				
12~16AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
18AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	
According to customer requirements for packaging packaging					

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

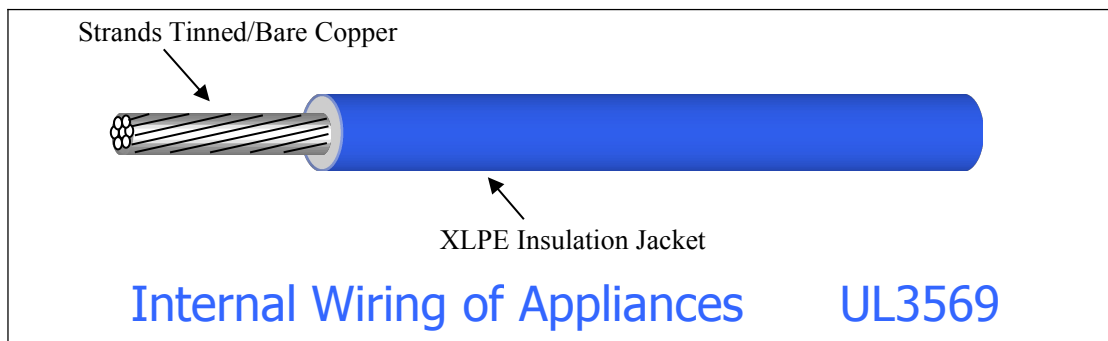
**SHOULD BE USED:**

Internal Wiring of Appliances where exposed to temperatures not exceeding 105 deg C.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



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

Internal wiring 。 Conductor temperature not over 105℃ XLPE insulated wire  
 Rated temperature: 105℃ 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.
3569	10	105/0.254	3.54	3.00	1.00	0.92	5.00	±0.15
	12	65/0.254	5.64	2.36	1.00	0.92	4.36	±0.15
	14	41/0.254	8.96	1.88	1.00	0.92	3.90	±0.15
	16	26/0.254	14.60	1.50	1.00	0.92	3.50	±0.10
	18	16/0.254	23.20	1.17	1.00	0.92	3.20	±0.10
	20	21/0.18	36.70	0.95	1.00	0.92	2.95	±0.10
	22	17/0.16	59.40	0.76	1.00	0.92	2.75	±0.10
	24	11/0.16	94.20	0.61	1.00	0.92	2.60	±0.10
	26	7/0.16	150.00	0.48	1.00	0.92	2.50	±0.10
	28	7/0.127	239.00	0.38	1.00	0.92	2.40	±0.10
30	7/0.10	381.00	0.30	1.00	0.92	2.30	±0.10	

**Marking:** E211048 AWM STYLE 3569 NO.AWG 105℃ 600V XLPE QIFURUI   
 AWM I A 105℃ 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"/> 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

**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、 Thermal deformation test: 121℃±1℃, deformation rate ≤50% after 1h load
- c、 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)
- d、 Low temperature bending: -10℃±2℃, 4h, no crack on the surface of the sample is qualified

**2.Electrical Properties**

- a、 Rated voltage:3KV-DC
- b、 Spark test :When passing through the test electrode, no breakdown occurs. Spark test voltage is 3KV
- c、 Laboratory immersion test withstand pressure 7KV.
- d、 Conductors can support multiple structures: Strands Tinned/Bare Copper

**3.Environmental protection**

- a、 ROHS/REACH compliant

**SHOULD BE USED:**

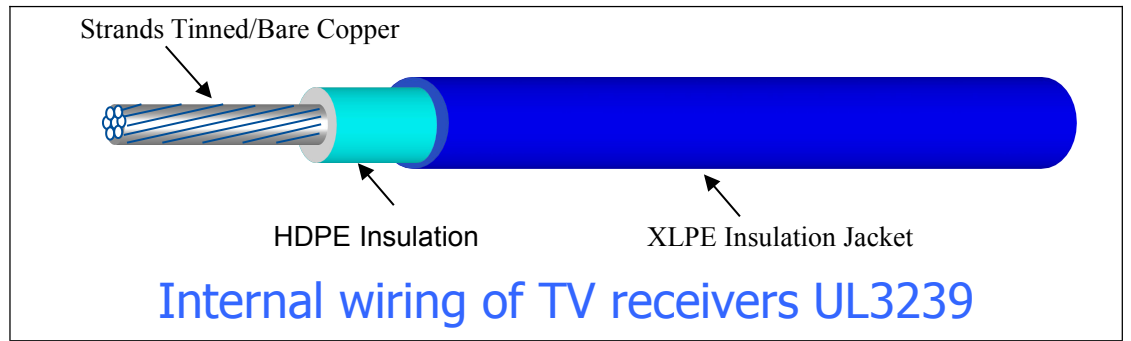
High-voltage wires are used inside electrical appliances

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**

- 1.Sharp bending is not allowed
- 2.When in contact with solvents, please self-verify the suitability of the product



**Wire structure description:**  
 Conductor: Tinned /Bare copper ;  
 Insulation materials:HDPE insulation  
 Jacket materials: XLPE jacket

Internal wiring of Appliances. Conductor temperature not over 105℃ XLPE insulated wire  
 Rated temperature: 105℃ rated voltage: 03KV-DC

STYLE	AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	jacket thickness Nom. (mm)	Jacket thickness (mm)	Overall diameter (mm)
3239	10	105/0.254	3.54	3.20	0.40	0.40	4.80±0.15
	12	65/0.254	5.64	2.37	0.40	0.40	3.97±0.15
	14	41/0.254	8.96	1.88	0.40	0.40	3.48±0.15
	16	26/0.254	14.6	1.50	0.40	0.40	3.10±0.15
	18	1/1.02	22.20	1.02	0.40	0.40	2.62±0.10
	18	16/0.254	23.2	1.17	0.40	0.40	2.75±0.10
	20	21/0.18	36.7	0.95	0.40	0.40	2.55±0.10
	22	17/0.16	59.4	0.76	0.40	0.40	2.35±0.10
	22	7/0.254	59.4	0.77	0.40	0.40	2.35±0.10
	24	11/0.16	94.2	0.60	0.40	0.40	2.20±0.10
	26	7/0.16	150	0.48	0.40	0.40	2.10±0.10
	28	7/0.127	239	0.38	0.40	0.40	2.00±0.10

**Marking:** E211048 AWM STYLE 3239 NO.AWG 105℃ 03KV-DC VW-1 QIFURUI  
 c AWM IA 105℃ 03KV-DC 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				3F
10~16AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input checked="" type="checkbox"/> 1000FT	<input type="checkbox"/> 2000FT	
18~28AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input type="checkbox"/> 1000FT	<input checked="" type="checkbox"/> 2000FT	

According to customer requirements for packaging packaging

**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、 Thermal deformation test: 121℃±1℃, deformation rate ≤50% after 1h load
- c、 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)
- d、 Low temperature bending: -10℃±2℃, 4h, no crack on the surface of the sample is qualified

**2. Electrical Properties**

- a、 Rated voltage:6KV-DC
- b、 Spark test :When passing through the test electrode, no breakdown occurs. Spark test voltage is 6KV
- c、 Laboratory immersion test withstand pressure 13KV.
- d、 Conductors can support multiple structures: Strands Tinned/Bare Copper

**3. Environmental protection**

- a、 ROHS/REACH compliant

**SHOULD BE USED:**

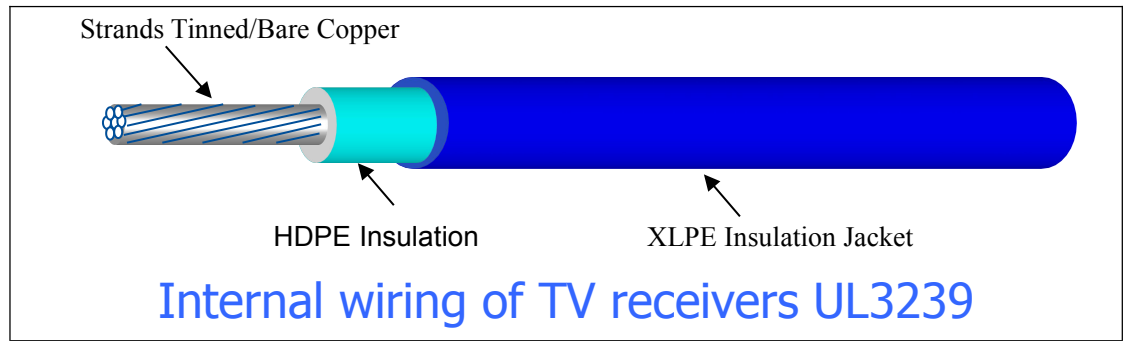
High-voltage wires are used inside electrical appliances

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**

- 1.Sharp bending is not allowed
- 2.When in contact with solvents, please self-verify the suitability of the product



**Wire structure description:**  
 Conductor: Tinned /Bare copper ;  
 Insulation materials:HDPE insulation  
 Jacket materials: XLPE jacket

Internal wiring of Appliances. Conductor temperature not over 105℃ XLPE insulated wire  
 Rated temperature: 105℃ rated voltage: 06KV-DC

STYLE	AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	jacket thickness Nom. (mm)	Jacket thickness (mm)	Overall diameter (mm)
3239	10	105/0.254	3.54	3.20	0.40	0.40	4.80±0.15
	12	65/0.254	5.64	2.37	0.40	0.40	3.97±0.15
	14	41/0.254	8.96	1.88	0.40	0.40	3.48±0.15
	16	26/0.254	14.6	1.50	0.40	0.40	3.10±0.15
	18	1/1.02	22.20	1.02	0.40	0.40	2.62±0.10
	18	16/0.254	23.2	1.17	0.40	0.40	2.75±0.10
	20	21/0.18	36.7	0.95	0.40	0.40	2.55±0.10
	22	17/0.16	59.4	0.76	0.40	0.40	2.35±0.10
	22	7/0.254	59.4	0.77	0.40	0.40	2.35±0.10
	24	11/0.16	94.2	0.60	0.40	0.40	2.20±0.10
	26	7/0.16	150	0.48	0.40	0.40	2.10±0.10
	28	7/0.127	239	0.38	0.40	0.40	2.00±0.10

**Marking:** E211048 AWM STYLE 3239 NO.AWG 105℃ 06KV-DC VW-1 QIFURUI  
 c AWM I A 105℃ 06KV-DC 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				3F
10`16AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input checked="" type="checkbox"/> 1000FT	<input type="checkbox"/> 2000FT	
18~28AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input type="checkbox"/> 1000FT	<input checked="" type="checkbox"/> 2000FT	
According to customer requirements for packaging packaging					

**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、 Thermal deformation test: 121℃±1℃, deformation rate ≤50% after 1h load
- c、 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)
- d、 Low temperature bending: -10℃±2℃, 4h, no crack on the surface of the sample is qualified

**2. Electrical Properties**

- a、 Rated voltage:10KV-DC
- b、 Spark test :When passing through the test electrode, no breakdown occurs. Spark test voltage is 10KV
- c、 Laboratory immersion test withstand pressure 21KV.
- d、 Conductors can support multiple structures: Strands Tinned/Bare Copper

**3.Environmental protection**

- a、 ROHS/REACH compliant

**SHOULD BE USED:**

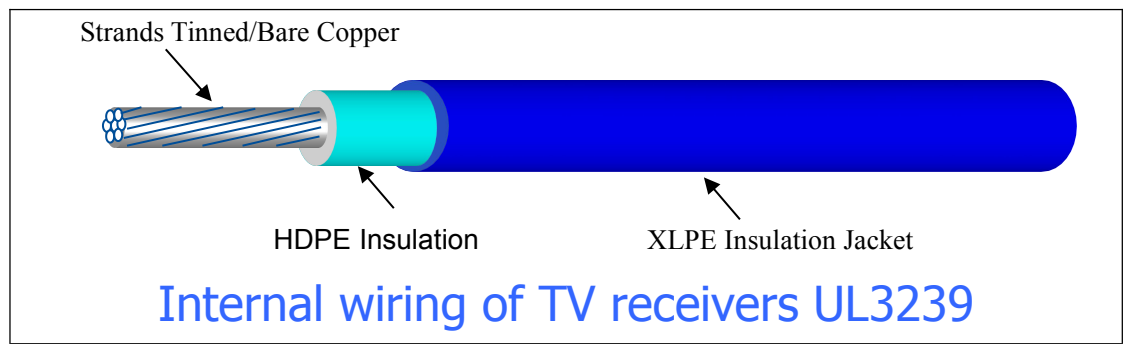
High-voltage wires are used inside electrical appliances

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**

- 1.Sharp bending is not allowed
- 2.When in contact with solvents, please self-verify the suitability of the product



**Wire structure description:**  
 Conductor: Tinned /Bare copper ;  
 Insulation materials:HDPE insulation  
 Jacket materials: XLPE jacket

Internal wiring of Appliances. Conductor temperature not over 105℃ XLPE insulated wire  
 Rated temperature: 105℃ rated voltage: 10KV-DC

STYLE	AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	jacket thickness Nom. (mm)	Jacket thickness (mm)	Overall diameter (mm)
3239	10	105/0.254	3.54	3.20	0.33	0.46	4.78±0.15
	12	65/0.254	5.64	2.37	0.33	0.46	3.95±0.15
	14	41/0.254	8.96	1.88	0.33	0.46	3.46±0.15
	16	26/0.254	14.6	1.5	0.33	0.46	3.10±0.15
	18	16/0.254	23.2	1.17	0.33	0.46	2.75±0.10
	20	21/0.18	36.7	0.95	0.33	0.46	2.50±0.10
	22	1/0.65	56.40	0.65	0.33	0.46	2.23±0.10
	22	17/0.16	59.4	0.76	0.33	0.46	2.34±0.10
	22	7/0.254	59.40	0.77	0.33	0.46	2.35±0.10
	24	11/0.16	94.2	0.6	0.33	0.46	2.20±0.10
	26	7/0.16	150	0.48	0.33	0.46	2.06±0.10
	28	7/0.127	239	0.38	0.33	0.46	1.96±0.10

**Marking:** E211048 AWM STYLE 3239 NO.AWG 105℃ 10KV-DC VW-1 QIFURUI  
 c AWM I A 105℃ 10KV-DC 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				
10-16AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input checked="" type="checkbox"/> 1000FT	<input type="checkbox"/> 2000FT	
18~28AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input type="checkbox"/> 1000FT	<input checked="" type="checkbox"/> 2000FT	
According to customer requirements for packaging packaging					

**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、 Thermal deformation test: 121℃±1℃, deformation rate ≤50% after 1h load
- c、 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)
- d、 Low temperature bending: -10℃±2℃, 4h, no crack on the surface of the sample is qualified

**2.Electrical Properties**

- a、 Rated voltage:20KV-DC
- b、 Spark test :When passing through the test electrode, no breakdown occurs. Spark test voltage is 15KV
- c、 Laboratory immersion test withstand pressure 41KV.
- d、 Conductors can support multiple structures: Strands Tinned/Bare Copper

**3.Environmental protection**

- a、 ROHS/REACH compliant

**SHOULD BE USED:**

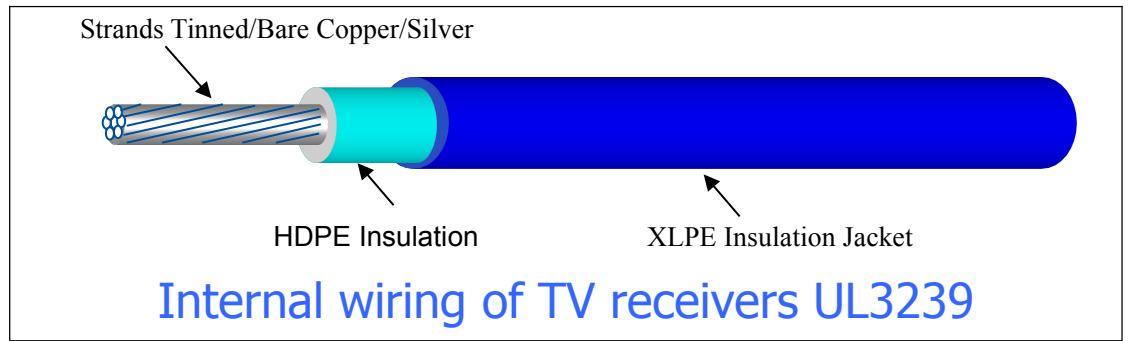
High-voltage wires are used inside electrical appliances

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**

- 1.Sharp bending is not allowed
- 2.When in contact with solvents, please self-verify the suitability of the product



**Wire structure description:**  
 Conductor: Tinned /Bare copper /Silver;  
 Insulation materials:HDPE insulation  
 Jacket materials: XLPE jacket

Internal wiring of Appliances. Conductor temperature not over 105℃ XLPE insulated wire  
 Rated temperature: 105℃ rated voltage: 20KV-DC

STYLE	AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	jacket thickness Nom. (mm)	Jacket thickness (mm)	Overall diameter (mm)
3239	10	105/0.254	3.54	3.20	0.55	0.55	5.40±0.15
	12	65/0.254	5.64	2.37	0.55	0.55	4.57±0.15
	14	41/0.254	8.96	1.88	0.55	0.55	4.08±0.15
	16	26/0.254	14.6	1.50	0.55	0.55	3.70±0.15
	18	16/0.254	23.2	1.17	0.55	0.55	3.35±0.15
	18	7/0.39	23.2	1.19	0.55	0.55	3.35±0.15
	18	19/0.235	23.2	1.18	0.55	0.55	3.35±0.15
	20	7/0.30	36.7	0.91	0.55	0.55	3.15±0.15
	20	1/0.813	35.20	0.813	0.55	0.55	3.00±0.15
	20	21/0.18	36.7	0.95	0.55	0.55	3.15±0.15
	22	7/0.254	59.4	0.77	0.55	0.55	2.96±0.15
	22	17/0.16	59.4	0.76	0.55	0.55	2.96±0.15
	24	11/0.16	94.2	0.60	0.55	0.55	2.81±0.15
	26	7/0.16	150	0.48	0.55	0.55	2.68±0.15
28	7/0.127	239	0.38	0.55	0.55	2.58±0.10	

**Marking:** E211048 AWM STYLE 3239 NO.AWG 105℃ 20KV-DC VW-1 QIFURUI  
 c AWM I A 105℃ 20KV-DC 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			
10~16AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input checked="" type="checkbox"/> 1000FT	<input type="checkbox"/> 2000FT
18~28AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input type="checkbox"/> 1000FT	<input checked="" type="checkbox"/> 2000FT

According to customer requirements for packaging packaging



**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、 Thermal deformation test: 121℃±1℃, deformation rate ≤50% after 1h load
- c、 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)
- d、 Low temperature bending: -10℃±2℃, 4h, no crack on the surface of the sample is qualified

**2. Electrical Properties**

- a、 Rated voltage:30KV-DC
- b、 Spark test :When passing through the test electrode, no breakdown occurs. Spark test voltage is 20KV
- c、 Laboratory immersion test withstand pressure 61KV.
- d、 Conductors can support multiple structures: Strands Tinned/Bare Copper

**3. Environmental protection**

- a、 ROHS/REACH compliant

**SHOULD BE USED:**

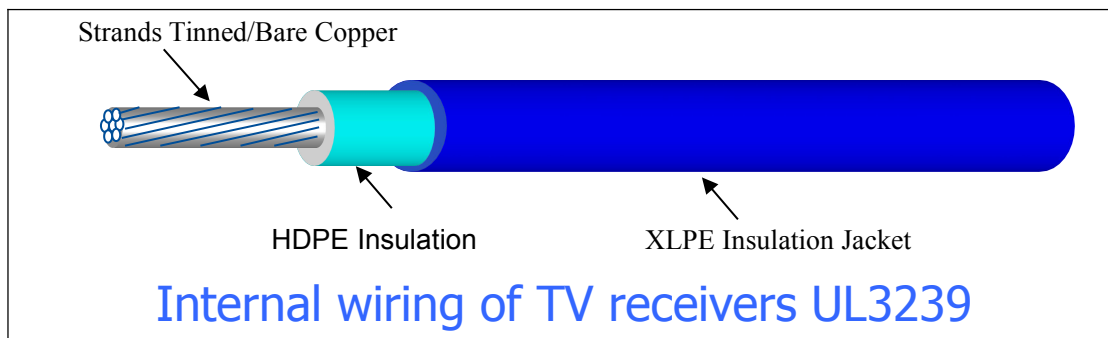
High-voltage wires are used inside electrical appliances

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**

- 1. Sharp bending is not allowed
- 2. When in contact with solvents, please self-verify the suitability of the product



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: HDPE insulation  
Jacket materials: XLPE jacket

Internal wiring of Appliances. Conductor temperature not over 105℃ XLPE insulated wire  
Rated temperature: 105℃ rated voltage: 30KV-DC

STYLE	AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	jacket thickness Nom. (mm)	Jacket thickness (mm)	Overall diameter (mm)
3239	10	105/0.254	3.54	3.20	0.76	0.65	6.02±0.15
	12	65/0.254	5.64	2.37	0.76	0.65	5.19±0.15
	14	41/0.254	8.96	1.88	0.76	0.65	4.70±0.15
	16	26/0.254	14.6	1.50	0.76	0.65	4.32±0.15
	18	16/0.254	23.2	1.17	0.76	0.65	3.97±0.15
	20	21/0.18	36.7	0.95	0.76	0.65	3.77±0.15
	22	17/0.16	59.4	0.76	0.76	0.65	3.58±0.15
	24	11/0.16	94.2	0.60	0.76	0.65	3.43±0.15
	26	7/0.16	150	0.48	0.76	0.65	3.30±0.15
	28	7/0.127	239	0.38	0.76	0.65	3.20±0.15

**Marking:** E211048 AWM STYLE 3239 NO.AWG 105℃ 30KV-DC VW-1 QIFURUI  
c AWM IA 105℃ 30KV-DC 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				3F
10~16AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input checked="" type="checkbox"/> 1000FT	<input type="checkbox"/> 2000FT	
18~28AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input type="checkbox"/> 1000FT	<input checked="" type="checkbox"/> 2000FT	
According to customer requirements for packaging packaging					

**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、 Thermal deformation test: 121℃±1℃, deformation rate ≤50% after 1h load
- c、 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)
- d、 Low temperature bending: -10℃±2℃, 4h, no crack on the surface of the sample is qualified

**2. Electrical Properties**

- a、 Rated voltage:40KV-DC
- b、 Spark test :When passing through the test electrode, no breakdown occurs. Spark test voltage is 25KV
- c、 Laboratory immersion test withstand pressure 81KV.
- d、 Conductors can support multiple structures: Strands Tinned/Bare Copper

**3. Environmental protection**

- a、 ROHS/REACH compliant

**SHOULD BE USED:**

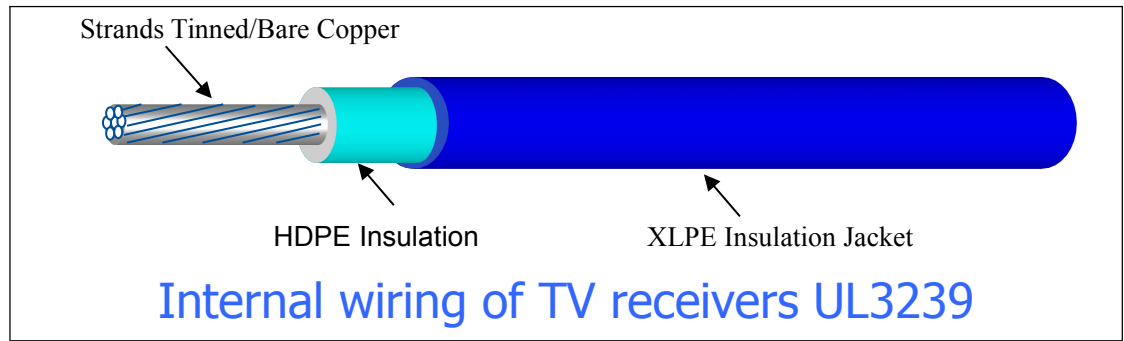
High-voltage wires are used inside electrical appliances

**REFERENCE:**

UL758-2010、 UL1581-2009

**Outline:**

- 1. Sharp bending is not allowed
- 2. When in contact with solvents, please self-verify the suitability of the product



**Wire structure description:**  
 Conductor: Tinned /Bare copper ;  
 Insulation materials: HDPE insulation  
 Jacket materials: XLPE jacket

Internal wiring of Appliances. Conductor temperature not over 105℃ XLPE insulated wire  
 Rated temperature: 105℃ rated voltage: 40KV-DC

STYLE	AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	jacket thickness Nom. (mm)	Jacket thickness (mm)	Overall diameter (mm)
3239	10	105/0.254	3.54	3.20	1.05	1.05	7.40±0.15
	12	65/0.254	5.64	2.37	1.05	1.05	6.57±0.15
	14	41/0.254	8.96	1.88	1.05	1.05	6.08±0.15
	16	26/0.254	14.6	1.50	1.05	1.05	5.70±0.15
	18	16/0.254	23.2	1.17	1.05	1.05	5.40±0.15
	20	21/0.18	36.7	0.95	1.05	1.05	5.15±0.15
	22	7/0.254	59.4	0.78	1.05	1.05	4.98±0.15
	22	17/0.16	59.4	0.76	1.05	1.05	4.95±0.15
	24	11/0.16	94.2	0.60	1.05	1.05	4.80±0.15
	26	7/0.16	150	0.48	1.05	1.05	4.70±0.15
28	7/0.127	239	0.38	1.05	1.05	4.60±0.15	

**Marking:** E211048 AWM STYLE 3239 NO.AWG 105℃ 40KV-DC VW-1 QIFURUI  
 c AWM I A 105℃ 40KV-DC 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				
10~14AWG	<input type="checkbox"/> 100FT	<input checked="" type="checkbox"/> 500FT	<input type="checkbox"/> 1000FT	<input type="checkbox"/> 2000FT	
16~28AWG	<input type="checkbox"/> 100FT	<input type="checkbox"/> 500FT	<input checked="" type="checkbox"/> 1000FT	<input type="checkbox"/> 2000FT	
According to customer requirements for packaging packaging					

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

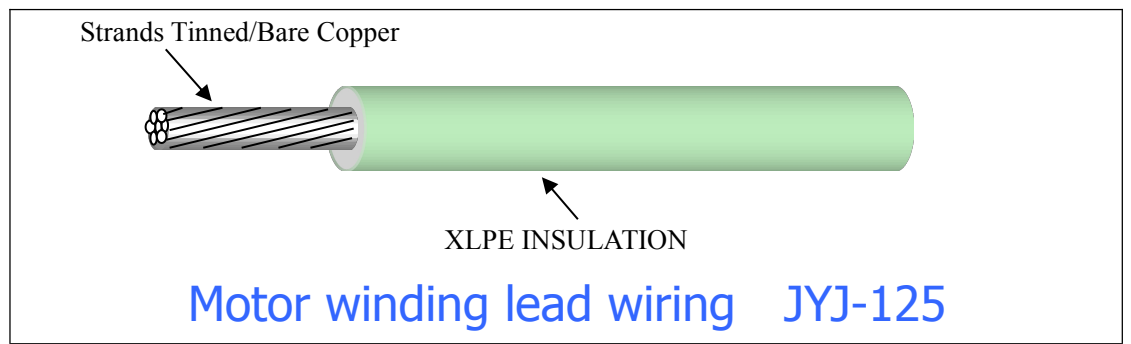
**SHOULD BE USED:**

Motor winding lead wiring

**REFERENCE:**

JB/T 6213.6-2006

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;

Insulation materials: XLPE INSULATION

IMotor winding lead wiring

Rated temperature: 125℃ rated voltage: 500V

STYLE	standard mm2	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)		insulation thickness (mm) Nom.	Overall diameter (mm) Max.
			Bare	Tin		
JYJ-125	0.5	16/0.20	39.0	40.1	0.80	3.30
	0.75	24/0.20	26.0	26.7	0.80	3.50
	1	32/0.20	19.5	20.0	0.80	3.70
	1.5	30/0.25	13.3	13.7	0.80	4.00
	2.5	49/0.25	7.98	8.21	0.80	4.40
	4	56/0.30	4.95	5.09	0.80	5.00
	6	84/0.30	3.30	3.39	0.80	6.10
	10	80/0.40	1.91	1.95	1.20	7.90
	16	127/0.40	1.21	1.24	1.20	9.00
	25	199/0.40	0.780	0.795	1.20	10.80
	35	278/0.40	0.554	0.565	1.20	12.00
	50	398/0.40	0.386	0.393	1.40	14.20
70	343/0.51	0.272	0.277	1.60	16.80	
95	465/0.51	0.206	0.210	1.60	18.90	

Note:Insulation thickness should be no less than the average rating,The point of the thin thickness should be not less than the rating 90%-0.1mm.

**Marking: NO MARKING**

**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		
1.5~4.0mm2	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 500M
6.0~16mm2	<input type="checkbox"/> 100M	<input checked="" type="checkbox"/> 200M	<input type="checkbox"/> 500M
25~95mm2	<input checked="" type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

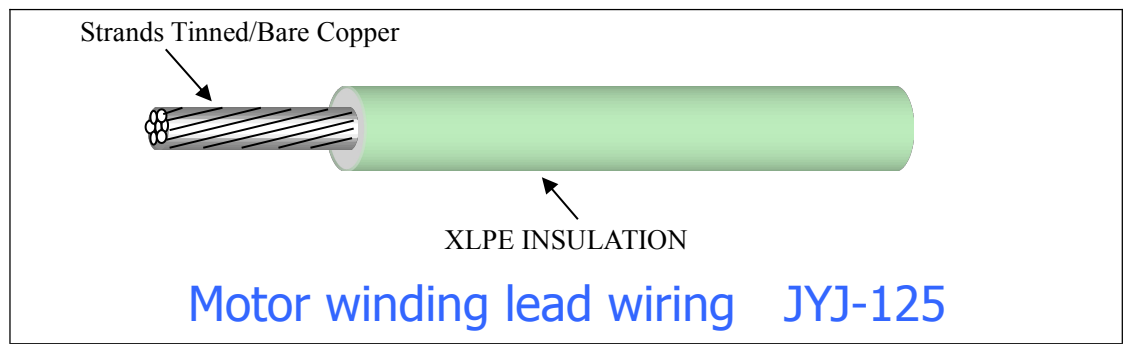
**SHOULD BE USED:**

Motor winding lead wiring

**REFERENCE:**

JB/T 6213.6-2006

**Outline:**



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

IMotor winding lead wiring  
 Rated temperature: 125℃ rated voltage: 1000V

STYLE	standard mm2	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)		insulation thickness (mm) Nom.	Overall diameter (mm)	
			Bare	Tin		Max.	Min.
JYJ-125	0.5	16/0.20	39.0	40.1	1.40	3.70	4.50
	0.75	24/0.20	26.0	26.7	1.40	3.90	4.70
	1	32/0.20	19.5	20.0	1.40	4.10	4.90
	1.5	30/0.25	13.3	13.7	1.40	4.35	5.20
	2.5	49/0.25	7.98	8.21	1.40	4.85	5.60
	4	56/0.30	4.95	5.09	1.40	5.40	6.30
	6	84/0.30	3.30	3.39	1.50	6.30	7.50
	10	80/0.40	1.91	1.95	1.50	7.20	8.50
	16	127/0.40	1.21	1.24	1.50	8.40	9.60
	25	199/0.40	0.780	0.795	1.60	10.00	11.40
	35	278/0.40	0.554	0.565	1.60	11.25	12.80
	50	398/0.40	0.386	0.393	1.70	13.10	14.80
70	343/0.51	0.272	0.277	1.80	15.00	17.20	
95	465/0.51	0.206	0.210	2.00	17.20	19.70	

Note:Insulation thickness should be no less than the average rating,The point of the thin thickness should be not less than the rating 90%-0.1mm.

**Marking: NO MARKING**

**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		
1.5~4.0mm2	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 500M
6.0~16mm2	<input type="checkbox"/> 100M	<input checked="" type="checkbox"/> 200M	<input type="checkbox"/> 500M
25~95mm2	<input checked="" type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2.Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

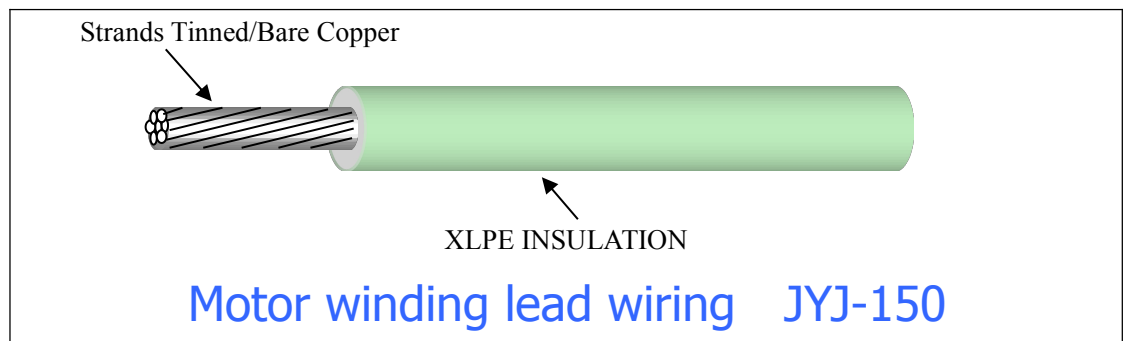
**SHOULD BE USED:**

Motor winding lead wiring

**REFERENCE:**

JB/T 6213.6-2006

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE INSULATION

IMotor winding lead wiring  
Rated temperature: 150℃ rated voltage: 500V

STYLE	standard mm <sup>2</sup>	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)		insulation thickness (mm) Nom.	Overall diameter (mm) Max.
			Bare	Tin		
JYJ-150	0.5	16/0.20	39.0	40.1	0.80	3.30
	0.75	24/0.20	26.0	26.7	0.80	3.50
	1	32/0.20	19.5	20.0	0.80	3.70
	1.5	30/0.25	13.3	13.7	0.80	4.00
	2.5	49/0.25	7.98	8.21	0.80	4.40
	4	56/0.30	4.95	5.09	0.80	5.00
	6	84/0.30	3.30	3.39	0.80	6.10
	10	80/0.40	1.91	1.95	1.20	7.90
	16	127/0.40	1.21	1.24	1.20	9.00
	25	199/0.40	0.780	0.795	1.20	10.80
	35	278/0.40	0.554	0.565	1.20	12.00
	50	398/0.40	0.386	0.393	1.40	14.20
70	343/0.51	0.272	0.277	1.60	16.80	
95	465/0.51	0.206	0.210	1.60	18.90	

Note:Insulation thickness should be no less than the average rating,The point of the thin thickness should be not less than the rating 90%-0.1mm.

**Marking: NO MARKING**

**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		
1.5~4.0mm <sup>2</sup>	<input type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input checked="" type="checkbox"/> 500M
6.0~16mm <sup>2</sup>	<input type="checkbox"/> 100M	<input checked="" type="checkbox"/> 200M	<input type="checkbox"/> 500M
25~95mm <sup>2</sup>	<input checked="" type="checkbox"/> 100M	<input type="checkbox"/> 200M	<input type="checkbox"/> 500M

According to customer requirements for packaging packaging



**CHARACTER:**

**1. Physical performance**

a. **excellent mechanical properties:**

Tensile strength ≥ 10.3MPa, elongation at break ≥ 150%

After aging:

Condition: 121 ± 1.0°C / 168H

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

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:** -25°C ± 1°C, no crack on the surface of the sample is qualified

d. **Thermal deformation test:** 131°C ± 1°C, deformation rate ≤ 30% after 30min load

Thermal deflection test load requirements:

Standard/AWG	Load/N
14-8	4.90
6-1	7.35
1/0-4/0	9.81

**2. Electrical Properties**

a. **rated temperature:** 90°C **rated voltage:** 1000V and 600V

b. **Spark experiment:** No breakdown occurs when passing through the test electrode.

The spark test voltage is:

rated voltage	1KV	600V
Standard/AWG	Spark test voltage/KV	Spark test voltage/KV
14-10	10.0	7.5
8-2	12.5	10.0
1-4/0	15.0	12.5

c. **Dielectric withstand voltage:** dielectric strength test for 60s, no breakdown.

The AC test voltage for dielectric strength test is:

rated voltage	1KV	600V
Standard/AWG	Spark test voltage/KV	Spark test voltage/KV
14-10	6.0	3.0
8-2	7.5	3.5
1-4/0	9.0	4.0

**3. Processing properties**

a. Good wire processing performance

b. According to UL standard design

**4. Environmental protection**

a. ROHS/REACH compliant

b. nonhazardous

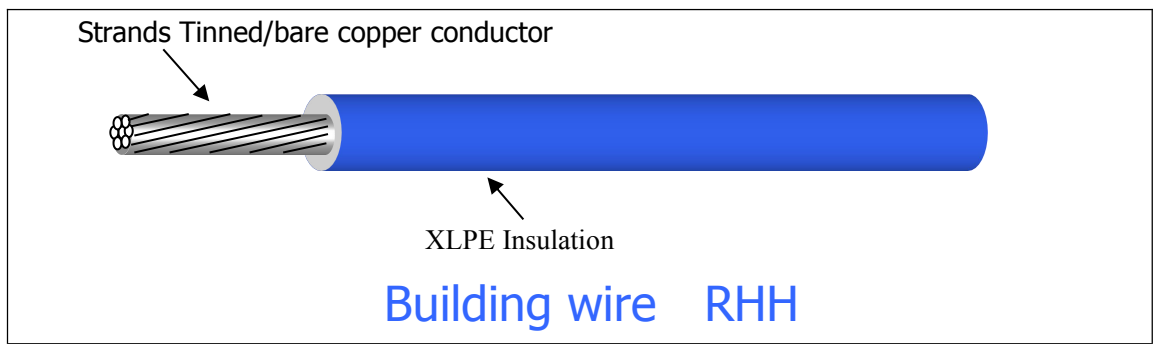
**SHOULD BE USED:**

Building wire

**REFERENCE:**

UL44-2018、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned/bare copper conductor

Insulation materials: XLPE Insulation

Conductor temperature not over 90°C XLPE insulated wire  
Rated temperature: 90°C rated voltage: 1000V and 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)	
			Bare	Tin		Nom.	Min.	Mon	Tol
RHH	4/0	19/2.68	0.167	0.172	13.50	2.03	1.83	17.60	±0.30
	3/0	19/2.39	0.211	0.219	12.00	2.03	1.83	16.10	±0.30
	2/0	19/2.13	0.266	0.277	10.70	2.03	1.83	14.75	±0.30
	1/0	19/1.90	0.335	0.349	9.60	2.03	1.83	13.65	±0.30
	1	19/1.70	0.423	0.440	8.60	2.03	1.83	12.65	±0.30
	2	19/1.50	0.534	0.555	7.60	1.52	1.37	10.65	±0.20
	4	19/1.20	0.848	0.882	6.10	1.52	1.37	9.15	±0.20
	6	19/0.95	1.348	1.403	4.80	1.52	1.37	7.85	±0.20
	8	19/0.75	2.144	2.230	3.80	1.52	1.37	6.85	±0.20
	10	19/0.60	3.409	3.546	3.10	1.14	1.02	5.40	±0.15
	12	19/0.50	5.43	5.64	2.60	1.14	1.02	4.90	±0.15
	14	19/0.374	8.62	8.96	1.90	1.14	1.02	4.20	±0.15

**Marking :** E532671 (UL) TYPE RHH NO.AWG 600V or 1000V 90 °C XLPE VW-1 QIFURUI -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/shaft (轴装)					
4/0~2/0AWG	■ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
1/0-1AWG	□ 500Ft	■ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
2AWG	□ 500Ft	□ 1000Ft	■ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
4-6AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	■ 2500Ft	□ 5000Ft	□ 10000Ft
8-12AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	■ 5000Ft	□ 10000Ft
14AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	■ 10000Ft

According to customer requirements for packaging packaging

**CHARACTER:**

**1. Physical performance**

a. **excellent mechanical properties:**

Tensile strength ≥ 10.3MPa, elongation at break ≥ 150%

After aging:

Condition: 121 ± 1.0°C / 168H

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

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:** -25°C ± 1°C, no crack on the surface of the sample is qualified

d. **Thermal deformation test:** 131°C ± 1°C, deformation rate ≤ 30% after 30min load

Thermal deflection test load requirements:

Standard/AWG	Load/N
14-8	4.90
6-1	7.35
1/0-4/0	9.81

**2. Electrical Properties**

a. **rated temperature:** 90°C **rated voltage:** 2000V

b. **Spark experiment:** No breakdown occurs when passing through the test electrode.

The spark test voltage is:

Standard/AWG	Spark test voltage/KV
14-10	10.0
8-2	12.5
1-4/0	15.0

c. **Dielectric withstand voltage:** dielectric strength test for 60s, no breakdown.

The AC test voltage for dielectric strength test is:

导体规格/AWG	60s 试验电压/KV AC
14-10	6.0
8-2	7.5
1-4/0	9.0

**3. Processing properties**

a. Good wire processing performance

b. According to UL standard design

**4. Environmental protection**

a. ROHS/REACH compliant

b. nonhazardous

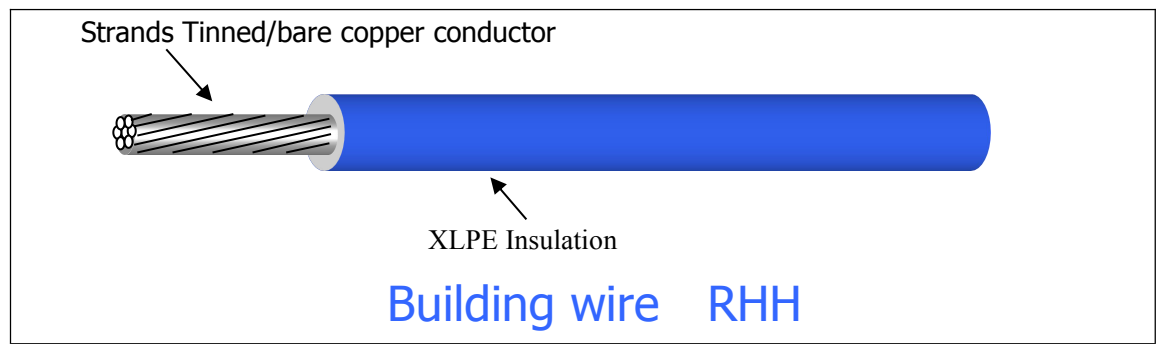
**SHOULD BE USED:**

Building wire

**REFERENCE:**

UL44-2018、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned/bare copper conductor

Insulation materials: XLPE Insulation

Conductor temperature not over 90°C XLPE insulated wire

Rated temperature: 90°C rated voltage: 2000V

STYLE	Standard AWG	Conductor size (No./mm) ±0.005mm	Conductor resistance 20°C (Ω/Km)		Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
			Bare	Tin		Nom.	Min.	Mon	Tol
RHH	4/0	19/2.68	0.167	0.172	13.50	2.29	2.06	18.10	±0.30
	3/0	19/2.39	0.211	0.219	12.00	2.29	2.06	16.60	±0.30
	2/0	19/2.13	0.266	0.277	10.70	2.29	2.06	15.30	±0.30
	1/0	19/1.90	0.335	0.349	9.60	2.29	2.06	14.20	±0.30
	1	19/1.70	0.423	0.440	8.60	2.29	2.06	13.20	±0.30
	2	19/1.50	0.534	0.555	7.60	1.78	1.60	11.15	±0.20
	4	19/1.20	0.848	0.882	6.10	1.78	1.60	9.65	±0.20
	6	19/0.95	1.348	1.403	4.80	1.78	1.60	8.35	±0.20
	8	19/0.75	2.144	2.230	3.80	1.78	1.60	7.35	±0.20
	10	19/0.60	3.409	3.546	3.10	1.52	1.37	6.15	±0.15
	12	19/0.50	5.43	5.64	2.60	1.52	1.37	5.65	±0.15
	14	19/0.374	8.62	8.96	1.90	1.52	1.37	4.95	±0.15

Marking: E532671 (UL) TYPE RHH NO.AWG 2000V 90°C XLPE VW-1 QIFURUI -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**

*包装					
型号	包装方式- Ft/shaft (轴装)				
4/0~1/0AWG	■ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft
1AWG	□ 500Ft	■ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft
2-4AWG	□ 500Ft	□ 1000Ft	■ 1500Ft	□ 2500Ft	□ 5000Ft
6-8AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	■ 2500Ft	□ 5000Ft
10-14AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	■ 5000Ft

根据客户要求包装

**CHARACTER:**

**1.Physical performance**

a、 **excellent mechanical properties:**

Tensile strength ≥10.3MPa, elongation at break ≥150%

After aging:

Condition: 121 ± 1.0℃/ 168H

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

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:** -25℃ ± 1℃, no crack on the surface of the sample is qualified

d、 **Thermal deformation test:** 131℃ ± 1℃, deformation rate ≤ 30% after 30min load

Thermal deflection test load requirements:

Standard/AWG	Load/N
14-8	4.90
6-1	7.35
1/0-4/0	9.81

**2.Electrical Properties**

a、 **rated temperature:** 90℃ **rated voltage:** 600V

b、 **Spark experiment:** No breakdown occurs when passing through the test electrode.

The spark test voltage is:

Standard/AWG	Spark test voltage/KV
14-10	7.5
8-2	10.0
1-4/0	12.5

c、 **Dielectric withstand voltage:** dielectric strength test for 60s, no breakdown.

The AC test voltage for dielectric strength test is:

Standard/AWG	60S test voltage/KV
14-10	3.0
8-2	3.5
1-4/0	4.0

**3.Processing properties**

a、 Good wire processing performance

b、 According to UL standard design

**4.Environmental protection**

a、 ROHS/REACH compliant

b、 nonhazardous

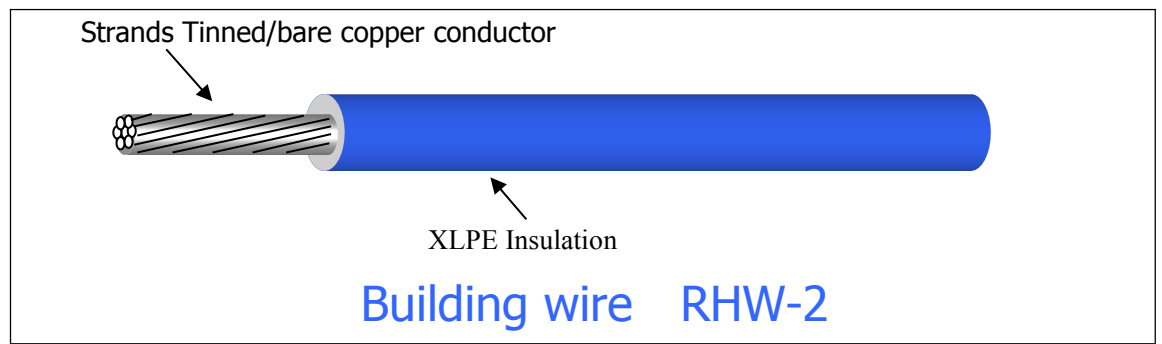
**SHOULD BE USED:**

Building wire

**REFERENCE:**

UL44-2018、 UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned/bare copper conductor

Insulation materials: XLPE Insulation

Conductor temperature not over 90℃ XLPE insulated wire

Rated temperature: 90℃ 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)	
			Bare	Tin		Nom.	Min.	Mon	Tol
RHW-2	4/0	19/2.68	0.167	0.172	13.50	2.03	1.83	17.60	±0.30
	3/0	19/2.39	0.211	0.219	12.00	2.03	1.83	16.10	±0.30
	2/0	19/2.13	0.266	0.277	10.70	2.03	1.83	14.75	±0.30
	1/0	19/1.90	0.335	0.349	9.60	2.03	1.83	13.65	±0.30
	1	19/1.70	0.423	0.440	8.60	2.03	1.83	12.65	±0.30
	2	19/1.50	0.534	0.555	7.60	1.52	1.37	10.65	±0.20
	4	19/1.20	0.848	0.882	6.10	1.52	1.37	9.15	±0.20
	6	19/0.95	1.348	1.403	4.80	1.52	1.37	7.85	±0.20
	8	19/0.75	2.144	2.230	3.80	1.52	1.37	6.85	±0.20
	10	19/0.60	3.409	3.546	3.10	1.14	1.02	5.40	±0.15
	12	19/0.50	5.43	5.64	2.60	1.14	1.02	4.90	±0.15
	14	19/0.374	8.62	8.96	1.90	1.14	1.02	4.20	±0.15

**Marking : E532671 (UL) TYPE RHW-2 NO.AWG 600V 90℃ XLPE VW-1 QIFURUI-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/shaft (轴装)					
4/0~2/0AWG	■ 500Ft	□1000Ft	□1500Ft	□2500Ft	□ 5000Ft	□ 10000Ft
1/0-1AWG	□ 500Ft	■1000Ft	□1500Ft	□2500Ft	□ 5000Ft	□ 10000Ft
2AWG	□ 500Ft	□1000Ft	■1500Ft	□2500Ft	□ 5000Ft	□ 10000Ft
4-6AWG	□ 500Ft	□1000Ft	□1500Ft	■2500Ft	□ 5000Ft	□ 10000Ft
8-12AWG	□ 500Ft	□1000Ft	□1500Ft	□2500Ft	■ 5000Ft	□ 10000Ft
14AWG	□ 500Ft	□1000Ft	□1500Ft	□2500Ft	□ 5000Ft	■ 10000Ft

According to customer requirements for packaging packaging

**CHARACTER:**

**1. Physical performance**

a. **excellent mechanical properties:**

Tensile strength  $\geq 10.3\text{MPa}$ , elongation at break  $\geq 150\%$

After aging:

Condition:  $121 \pm 1.0^\circ\text{C} / 168\text{H}$

Tensile strength residual rate  $\geq 70\%$  elongation at break  $\geq 70\%$

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:**  $-25^\circ\text{C} \pm 1^\circ\text{C}$ , no crack on the surface of the sample is qualified

d. **Thermal deformation test:**  $131^\circ\text{C} \pm 1^\circ\text{C}$ , deformation rate  $\leq 30\%$  after 30min load

Thermal deflection test load requirements:

Standard/AWG	Load/N
14-8	4.90
6-1	7.35
1/0-4/0	9.81

**2. Electrical Properties**

a. **rated temperature:**  $90^\circ\text{C}$  **rated voltage:** 2000V

b. **Spark experiment:** No breakdown occurs when passing through the test electrode.

The spark test voltage is:

Standard/AWG	Spark test voltage/KV
14-10	10.0
8-2	12.5
1-4/0	15.0

c. **Dielectric withstand voltage:** dielectric strength test for 60s, no breakdown.

The AC test voltage for dielectric strength test is:

Standard/AWG	60S test voltage/KV
14-10	6.0
8-2	7.5
1-4/0	9.0

**3. Processing properties**

a. Good wire processing performance

b. According to UL standard design

**4. Environmental protection**

a. ROHS/REACH compliant

b. nonhazardous

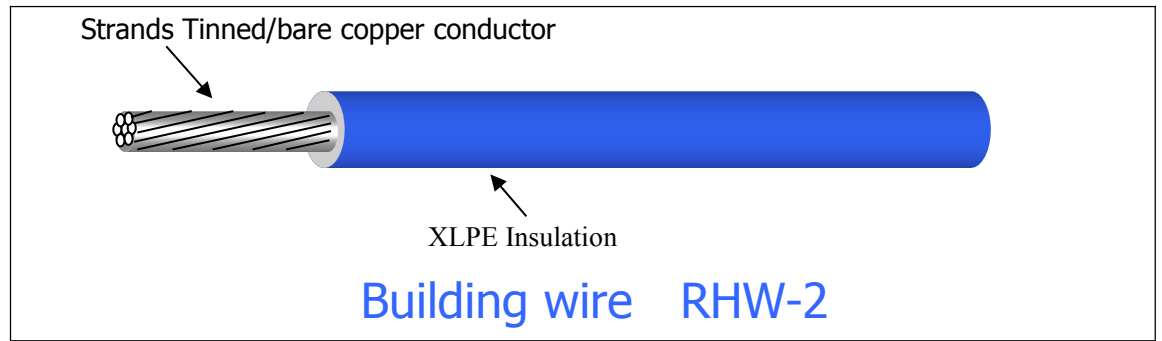
**SHOULD BE USED:**

Building wire

**REFERENCE:**

UL44-2018、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned/bare copper conductor

Insulation materials: XLPE Insulation

Conductor temperature not over  $90^\circ\text{C}$  XLPE insulated wire

Rated temperature:  $90^\circ\text{C}$  rated voltage: 2000V

STYLE	standard AWG	Conductor size (No./mm) $\pm 0.005\text{mm}$	Conductor resistance $20^\circ\text{C}$ ( $\Omega/\text{Km}$ )		Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
			Bare	Tin		Nom.	Min.	Mon	Tol
RHW-2	4/0	19/2.68	0.167	0.172	13.50	2.29	2.06	18.10	$\pm 0.30$
	3/0	19/2.39	0.211	0.219	12.00	2.29	2.06	16.60	$\pm 0.30$
	2/0	19/2.13	0.266	0.277	10.70	2.29	2.06	15.30	$\pm 0.30$
	1/0	19/1.90	0.335	0.349	9.60	2.29	2.06	14.20	$\pm 0.30$
	1	19/1.70	0.423	0.440	8.60	2.29	2.06	13.20	$\pm 0.30$
	2	19/1.50	0.534	0.555	7.60	1.78	1.60	11.15	$\pm 0.20$
	4	19/1.20	0.848	0.882	6.10	1.78	1.60	9.65	$\pm 0.20$
	6	19/0.95	1.348	1.403	4.80	1.78	1.60	8.35	$\pm 0.20$
	8	19/0.75	2.144	2.230	3.80	1.78	1.60	7.35	$\pm 0.20$
	10	19/0.60	3.409	3.546	3.10	1.52	1.37	6.15	$\pm 0.15$
	12	19/0.50	5.43	5.64	2.60	1.52	1.37	5.65	$\pm 0.15$
	14	19/0.374	8.62	8.96	1.90	1.52	1.37	4.95	$\pm 0.15$

**Marking:** E532671 (UL) TYPE RHW-2 NO.AWG 2000V  $90^\circ\text{C}$  XLPE VW-1 QIFURUI-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/shaft (轴装)				
4/0~1/0AWG	■ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft
1AWG	□ 500Ft	■ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft
2-4AWG	□ 500Ft	□ 1000Ft	■ 1500Ft	□ 2500Ft	□ 5000Ft
6-8AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	■ 2500Ft	□ 5000Ft
10-14AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	■ 5000Ft

According to customer requirements for packaging packaging

**CHARACTER:**

**1. Physical performance**

a. **excellent mechanical properties:**

Tensile strength ≥ 10.3MPa, elongation at break ≥ 150%

After aging:

Condition: 121 ± 1.0°C / 168H

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

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:** -25°C ± 1°C, no crack on the surface of the sample is qualified

d. **Thermal deformation test:** 131°C ± 1°C, deformation rate ≤ 30% after 30min load

Thermal deflection test load requirements:

Standard/AWG	Load/N
14-8	4.90
6-1	7.35
1/0-4/0	9.81

**2. Electrical Properties**

a. **rated temperature:** 90°C **rated voltage:** 600V

b. **Spark experiment:** No breakdown occurs when passing through the test electrode.

The spark test voltage is:

Standard/AWG	Spark test voltage/KV
14-10	7.5
8-2	10.0
1-4/0	12.5

c. **Dielectric withstand voltage:** dielectric strength test for 60s, no breakdown.

The AC test voltage for dielectric strength test is:

Standard/AWG	test voltage/KV
14-10	3.0
8-2	3.5
1-4/0	4.0

**3. Processing properties**

a. Good wire processing performance

b. According to UL standard design

**4. Environmental protection**

a. ROHS/REACH compliant

b. nonhazardous

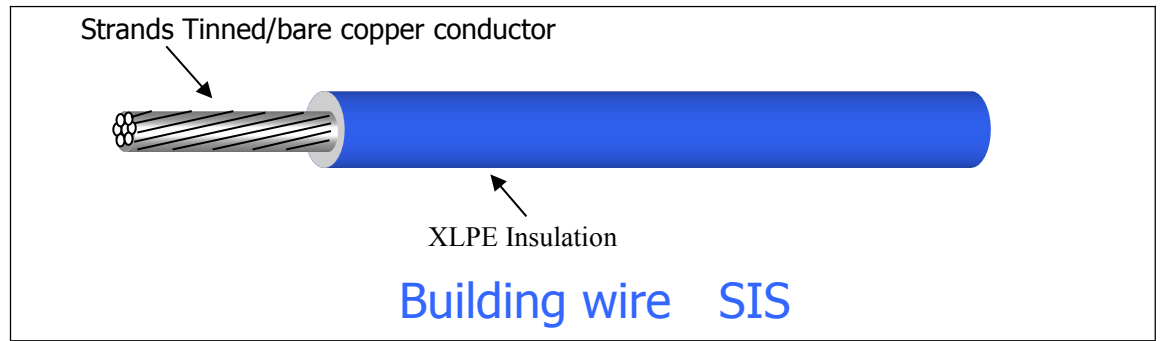
**SHOULD BE USED:**

Building wire

**REFERENCE:**

UL44-2018、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned/bare copper conductor

Insulation materials: XLPE Insulation

Conductor temperature not over 90°C XLPE insulated wire

Rated temperature: 90°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)	
			Bare	Tin		Nom.	Min.	Mon	Tol
SIS	4/0	19/2.68	0.167	0.172	13.50	1.40	1.27	16.3	±0.30
	3/0	19/2.39	0.211	0.219	12.00	1.40	1.27	14.8	±0.30
	2/0	19/2.13	0.266	0.277	10.70	1.40	1.27	13.5	±0.30
	1/0	19/1.90	0.335	0.349	9.60	1.40	1.27	12.5	±0.30
	01	19/1.70	0.423	0.440	8.60	1.40	1.27	11.5	±0.20
	02	19/1.50	0.534	0.555	7.60	1.14	1.02	9.90	±0.20
	04	19/1.20	0.848	0.882	6.10	1.14	1.02	8.40	±0.20
	06	19/0.95	1.348	1.403	4.80	1.14	1.02	7.10	±0.15
	08	19/0.75	2.144	2.230	3.80	1.14	1.02	6.10	±0.15
	10	19/0.60	3.409	3.546	3.10	0.76	0.69	4.60	±0.15
	12	19/0.50	5.43	5.64	2.60	0.76	0.69	4.10	±0.15
	14	19/0.374	8.62	8.96	1.90	0.76	0.69	3.40	±0.15

**Marking: E532671 (UL) TYPE SIS NO.AWG 600V 90°C XLPE VW-1 QIFURUI -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/shaft (轴装)					
4/0~3/0AWG	■ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
2/0-1/0AWG	□ 500Ft	■ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
1-2AWG	□ 500Ft	□ 1000Ft	■ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
4-6AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	■ 2500Ft	□ 5000Ft	□ 10000Ft
8AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	■ 5000Ft	□ 10000Ft
10-14AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	■ 10000Ft

According to customer requirements for packaging packaging

**Characteristic:**

**1.Physical properties**

a, excellent mechanical properties:  
 Tensile strength  $\geq 13.8\text{MPa}$ , elongation at break  $\geq 300\%$   
 After aging:  
 Condition:  $158 \pm 1.0^\circ\text{C} / 168\text{H}$   
 Tensile strength residual rate  $\geq 80\%$ , elongation at break,  $\geq 80\%$

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 combustion, burning 5 times, each time 15S, any residual flame is not more than 60S.

c. Low temperature bending:  $-10^\circ\text{C} \pm 2^\circ\text{C} / 4\text{H}$ , no crack on the surface of the sample is qualified

**2. Electrical performance**

a, rated temperature:  $125^\circ\text{C}$  rated voltage: 600V

b. Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 6.0 KV AC

c, dielectric withstand voltage: 2.0 KV AC, 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 electronic equipment.

**REFERENCE:**

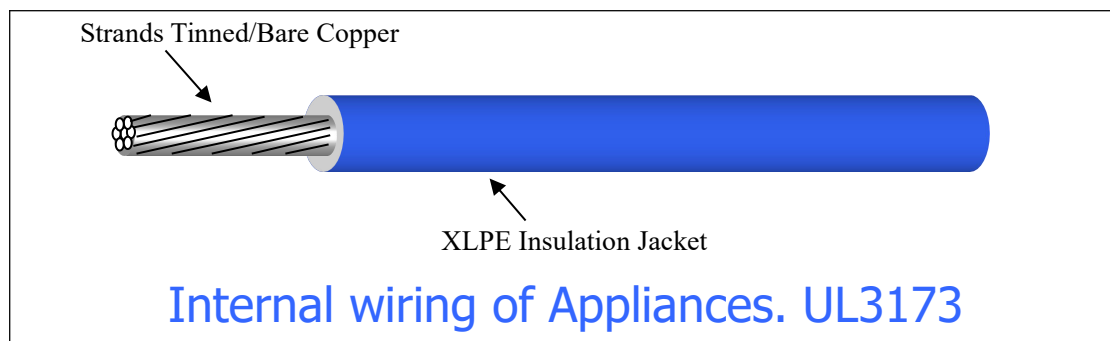
UL758-2010、UL1581-2009

**Outline:**

**PACKAGE**

*PACKAGE				
Part No.	Packing- FT/roll			
9-10AWG	<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
18~26AWG	<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: XLPE Insulation

Internal wiring of Appliances. Conductor temperature not over  $125^\circ\text{C}$  XLPE insulated wire  
 Rated temperature:  $125^\circ\text{C}$  rated voltage: 600V

STYLE	standard AWG	Conductor size (No./ mm) $\pm 0.005\text{mm}$	Conductor resistance $20^\circ\text{C}$ ( $\Omega/\text{Km}$ )	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Avg	Min.	Avg	Tole.
3173	9	133/0.254	2.813	3.38	0.80	0.69	4.98	$\pm 0.15$
	10	105/0.254	3.54	3.00	0.80	0.69	4.60	$\pm 0.15$
	12	65/0.254	5.64	2.36	0.80	0.69	3.95	$\pm 0.15$
	12	19/0.50	5.64	2.52	0.80	0.69	4.12	$\pm 0.15$
	14	1/1.63	8.78	1.63	0.80	0.69	3.23	$\pm 0.15$
	14	19/0.374	8.96	1.88	0.80	0.69	3.45	$\pm 0.15$
	14	41/0.254	8.96	1.88	0.80	0.69	3.45	$\pm 0.15$
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	$\pm 0.10$
	16	65/0.16	14.60	1.49	0.80	0.69	3.09	$\pm 0.10$
	18	1/1.02	22.2	1.02	0.80	0.69	2.62	$\pm 0.10$
	18	16/0.254	23.20	1.17	0.80	0.69	2.75	$\pm 0.10$
	18	34/0.18	23.20	1.21	0.80	0.69	2.80	$\pm 0.10$
	18	19/0.235	23.20	1.18	0.80	0.69	2.78	$\pm 0.10$
	20	1/0.813	35.20	0.813	0.80	0.69	2.41	$\pm 0.10$
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	$\pm 0.10$
	20	10/0.254	36.70	0.93	0.80	0.69	2.53	$\pm 0.10$
	20	1/0.813	35.20	0.813	0.80	0.69	2.41	$\pm 0.10$
	22	17/0.16	59.40	0.76	0.80	0.69	2.35	$\pm 0.10$
	22	1/0.65	56.40	0.65	0.80	0.69	2.25	$\pm 0.10$
	24	11/0.16	94.20	0.61	0.80	0.69	2.20	$\pm 0.10$
26	7/0.16	150.00	0.48	0.80	0.69	2.08	$\pm 0.10$	

**Marking:** E211048 AWM STYLE 3173 NO.AWG  $125^\circ\text{C}$  600V VW-1 XLPE QIFURUI  
 AWM I A  $125^\circ\text{C}$  600V FT1 -LF-  
 E211048 AWM STYLE 3173 NO.AWG  $125^\circ\text{C}$  600V XLPE QIFURUI AWM I A  $125^\circ\text{C}$  600V FT2 -LF-  
 OR: E211048 AWM STYLE 3173 NO. AWG  $125^\circ\text{C}$  600V XLPE QIFURUI 221756  
 CSA AWM I A  $125^\circ\text{C}$  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

**Characteristic:**

**1. Physical properties**

a, excellent mechanical properties:  
 Tensile strength  $\geq 13.8\text{MPa}$ , elongation at break  $\geq 300\%$   
 After aging:  
 Condition:  $180 \pm 1.0^\circ\text{C} / 168\text{H}$   
 Tensile strength residual rate  $\geq 80\%$ , elongation at break,  $\geq 80\%$

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 combustion, burning 5 times, each time 15S, any residual flame is not more than 60S.

c. Low temperature bending:  $-10^\circ\text{C} \pm 2^\circ\text{C} / 4\text{H}$ , no crack on the surface of the sample is qualified

**2. Electrical performance**

a, rated temperature:  $150^\circ\text{C}$  rated voltage: 300V

b. Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 3.0 KV AC

c, dielectric withstand voltage: 2.0 KV AC, 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

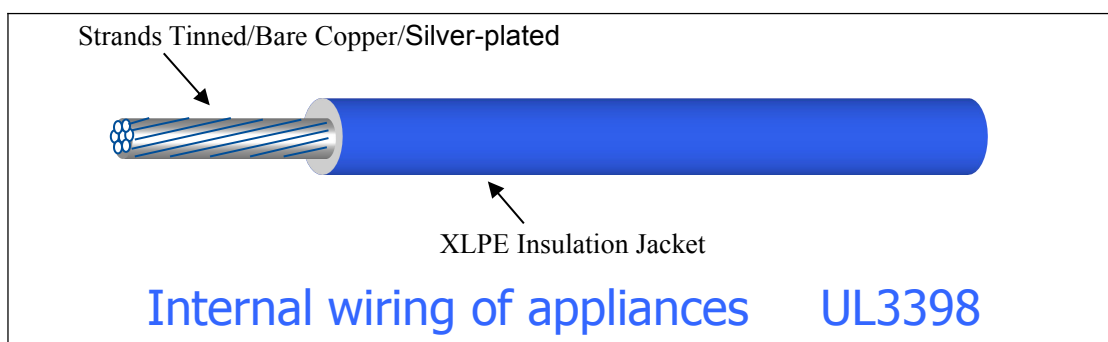
**application:**

Internal wiring of electronic equipment.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**  
 Conductor: Tinned /Bare copper/Silver-plated ;  
 Insulation materials: XLPE Insulation

Internal wiring 。 Conductor temperature not over  $150^\circ\text{C}$  XLPE insulated wire  
 Rated temperature:  $150^\circ\text{C}$  rated voltage: 300V

STYLE	standard AWG	Conductor size (No./ mm) $\pm 0.005\text{mm}$	Conductor resistance $20^\circ\text{C}$ ( $\Omega/\text{Km}$ )	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3398	10	105/0.254	3.54	3.00	0.50	0.33	4.0	$\pm 0.15$
	12	65/0.254	5.64	2.36	0.50	0.33	3.36	$\pm 0.15$
	14	41/0.254	8.96	1.88	0.50	0.33	2.90	$\pm 0.15$
	14	19/0.374	8.96	1.88	0.50	0.33	2.90	$\pm 0.15$
	16	26/0.254	14.60	1.50	0.40	0.33	2.30	$\pm 0.10$
	18	16/0.254	23.20	1.17	0.40	0.33	1.97	$\pm 0.10$
	18	19/0.235	23.20	1.18	0.40	0.33	1.98	$\pm 0.10$
	18	41/0.16	23.20	1.18	0.40	0.33	1.98	$\pm 0.10$
	20	21/0.18	36.70	0.95	0.40	0.33	1.75	$\pm 0.10$
	20	7/0.30	36.70	0.92	0.40	0.33	1.72	$\pm 0.10$
	20	1/0.813	36.70	0.95	0.40	0.33	1.61	$\pm 0.10$
	22	17/0.16	59.40	0.76	0.40	0.33	1.56	$\pm 0.10$
	22	7/0.254	59.40	0.76	0.40	0.33	1.56	$\pm 0.10$
	22	1/0.65	59.40	0.65	0.40	0.33	1.45	$\pm 0.10$
	24	11/0.16	94.20	0.61	0.40	0.33	1.41	$\pm 0.10$
	24	7/0.2	94.20	0.61	0.40	0.33	1.41	$\pm 0.10$
	24	1/0.51	89.30	0.51	0.40	0.33	1.31	$\pm 0.10$
	26	7/0.16	150.00	0.48	0.40	0.33	1.29	$\pm 0.10$
26	19/0.1	150.00	0.50	0.40	0.33	1.30	$\pm 0.10$	
28	7/0.127	239.00	0.38	0.40	0.33	1.19	$\pm 0.10$	
28	1/0.32	227.00	0.32	0.40	0.33	1.12	$\pm 0.10$	
30	7/0.10	381.00	0.30	0.40	0.33	1.11	$\pm 0.10$	

**Marking:** E211048 AWM STYLE 3398 NO.AWG  $150^\circ\text{C}$  300V XLPE QIFURUI   
 AWM I A  $150^\circ\text{C}$  300V FT2 -LF-  
 OR: E211048 AWM STYLE 3398 NO.AWG  $150^\circ\text{C}$  300V VW-1 XLPE QIFURUI   
 AWM I A  $150^\circ\text{C}$  300V FT1 -LF-

**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				



**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

**characteristic:**

**1.Physical properties**

a, excellent mechanical properties:  
 Tensile strength  $\geq 13.8\text{MPa}$ , elongation at break  $\geq 300\%$   
 After aging:  
 Condition:  $158 \pm 1.0^\circ\text{C} / 168\text{H}$   
 Tensile strength residual rate  $\geq 80\%$ , elongation at break,  $\geq 80\%$

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 combustion, burning 5 times, each time 15S, any residual flame is not more than 60S.

c. Low temperature bending:  $-10^\circ\text{C} \pm 2^\circ\text{C} / 4\text{H}$ , no crack on the surface of the sample is qualified

**2. Electrical performance**

a, rated temperature:  $125^\circ\text{C}$  rated voltage: 3KV AC  
 b. Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 10 KV AC  
 c, dielectric withstand voltage: 7.0 KV AC, 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 electronic equipment.

**Guideline:**

UL758-2014、UL1581-2014

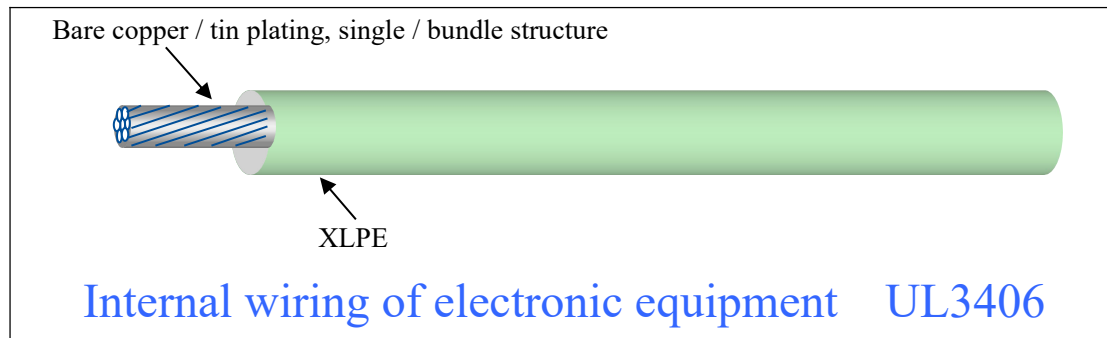
**Overview:**

Internal wiring of electronic equipment to prevent impact and sharp corner bending at high temperatures

**3Fproduct code:**

E.g: 34061800-16
UL3406, 18AWG, black, 16/0.254, Tin plating

Change history	Serial number	change content	confirm	date	prepared by	Zhang Heng
	A/0	First release	Jin Biao	2018.12.04	Review	Chen Li
					Approve	
				Date of preparation		2018.12.04



**Structure description:**

Conductor structure: bare copper / tinned conductor, single / bundle structure  
 Insulation material: XLPE

Internal connection cable for electrical equipment, cross-linked polyethylene wire with conductor temperature not exceeding  $125^\circ\text{C}$   
 Rated temperature:  $125^\circ\text{C}$  Rated voltage: 3000 Vac

STYLE	stand ard AWG	Conductor size (No./ mm) $\pm 0.005\text{mm}$	Conductor resistance $20^\circ\text{C}$ ( $\Omega/\text{Km}$ )	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3406	10	105/0.254	3.54	3.01	0.80	0.69	4.61	$\pm 0.15$
	12	65/0.254	5.64	2.37	0.80	0.69	3.97	$\pm 0.15$
	12	19/0.50	5.64	2.52	0.80	0.69	4.12	$\pm 0.15$
	14	1/1.63	8.78	1.63	0.80	0.69	3.23	$\pm 0.15$
	14	19/0.374	8.96	1.88	0.80	0.69	3.48	$\pm 0.15$
	14	41/0.254	8.96	1.88	0.80	0.69	3.48	$\pm 0.15$
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	$\pm 0.15$
	16	65/0.16	14.60	1.50	0.80	0.69	3.10	$\pm 0.15$
	18	16/0.254	23.20	1.17	0.80	0.69	2.77	$\pm 0.10$
	18	41/0.16	23.20	1.18	0.80	0.69	2.78	$\pm 0.10$
	18	34/0.18	23.20	1.21	0.80	0.69	2.81	$\pm 0.10$
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	$\pm 0.10$
	20	1/0.813	35.20	0.81	0.80	0.69	2.41	$\pm 0.10$
	22	17/0.16	59.40	0.76	0.80	0.69	2.36	$\pm 0.10$
	24	11/0.16	94.20	0.61	0.80	0.69	2.21	$\pm 0.10$
	26	7/0.16	150.00	0.49	0.80	0.69	2.09	$\pm 0.10$
28	7/0.127	239.00	0.39	0.80	0.69	2.00	$\pm 0.10$	
30	7/0.10	381.00	0.31	0.80	0.69	1.91	$\pm 0.10$	

**Sign:**

1、Printing: E211048 AWM STYLE 3406 NO.AWG  $125^\circ\text{C}$  3000V XLPE QIFURUI  
 c. AWM IA  $125^\circ\text{C}$  3000V FT2 -LF-  
 OR: E211048 AWM STYLE 3406 NO.AWG  $125^\circ\text{C}$  3000V VW-1 XLPE QIFURUI  
 c. AWM IA  $125^\circ\text{C}$  3000V FT2 -LF-  
 2、Label identification: manufacturer, model, specification, rated temperature resistance, rated withstand voltage, insulation material, color, package length, Production Date

**SAE COLOR SERIES**

*SAE COLOR SERIES				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09- VIOLET

**PACKAGE**

*PACKAG				
Part No.	Packing- FT/roll			
10AWG	<input checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
12~20AWG	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft	
22-30AWG	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft	
According to customer requirements for packaging packaging				



**CHARACTER:**

**1. Physical performance**

- a、Excellent mechanical properties
- b、Excellent thermal stability
- c、Low temperature soft good performance
- d、Good flame retardancy
- e、high of resistance to chemicals
- f、Chemistry stability is good

**2. Electrical Properties**

- a、Electrical insulation good
- b、Good the dielectric properties

**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

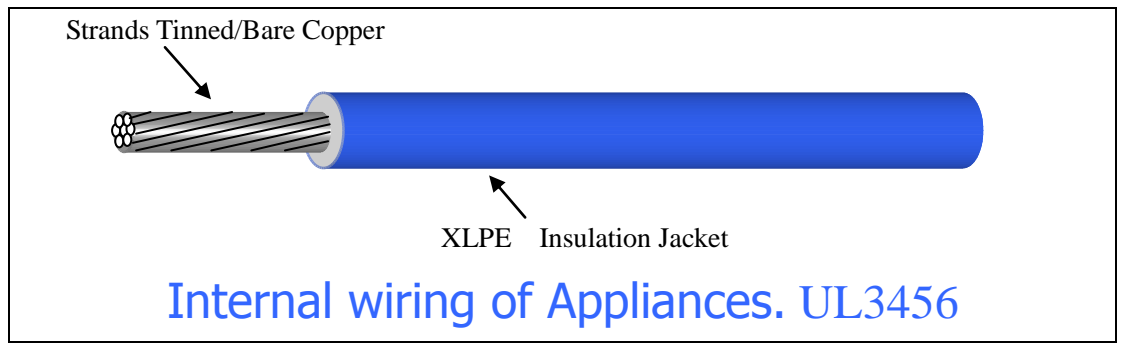
**SHOULD BE USED:**

Internal wiring of Appliances.

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring of Appliances. Conductor temperature not over 150°C XLPE insulated wire  
Rated temperature: 150°C rated voltage: 600V

STYLE	stand ard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20°C (Ω/Km)	Conduct or Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3456	10	105/0.254	3.54	3.00	0.80	0.69	4.60	±0.15
	12	65/0.254	5.64	2.36	0.80	0.69	3.96	±0.15
	14	41/0.254	8.96	1.88	0.80	0.69	3.45	±0.15
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.10
	16	65/0.16	14.60	1.49	0.80	0.69	3.09	±0.10
	18	16/0.254	23.20	1.17	0.80	0.69	2.75	±0.10
	18	41/0.16	23.20	1.18	0.80	0.69	2.76	±0.10
	20	21/0.18	36.70	0.95	0.80	0.69	2.55	±0.10
	20	1/0.813	35.20	0.813	0.80	0.69	2.41	±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	381.0	0.30	0.80	0.69	1.90	±0.10	

**Marking:** : E211048 AWM STYLE 3456 NO.AWG 150°C 600V VW-1 XLPE QIFURUI  
 c AWM I A 150°C 600V FT1 -LF-  
 E211048 AWM STYLE 3456 NO.AWG 150°C 600V XLPE QIFURUI c AWM I A  
 150°C 600V FT2 -LF-  
 OR: E211048 AWM STYLE 3456 NO. AWG 150°C 600V XLPE QIFURUI 221756  
 CSA AWM I A 150°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"/> 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

**Characteristic:**

**1.Physical properties**

**a、excellent mechanical properties:**

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

After aging:

Condition: 180 ± 1.0°C / 168H

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

**b、Flame Retardancy: FT2, horizontal combustion, once for 30S each**

time. During the test, no particles or droplets that ignite the cotton layer can be emitted from the sample.

VW-1, vertical combustion, combustion for 5 times, 15S each time, and the residual flame at any time 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: 150°C rated voltage: 600V

b、Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 6.0 KV

c、Power frequency test voltage in water: 2.0 KV 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 Appliances

**REFERENCE:**

UL758-2010、UL1581-2009

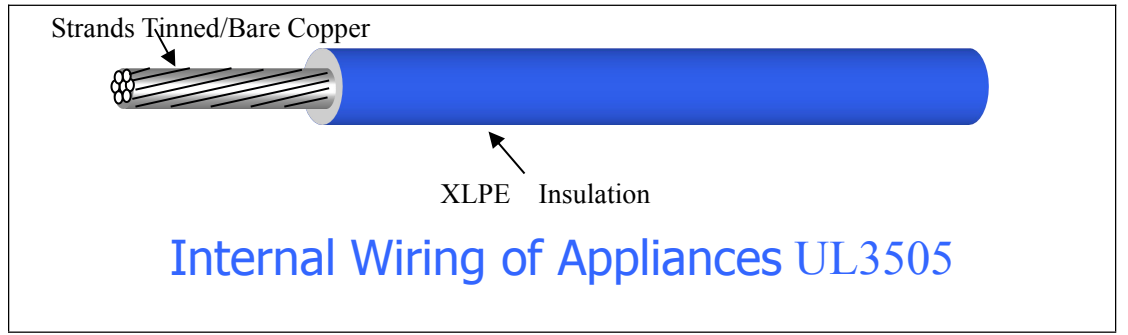
**Outline**

**3F 产品编码:**

例如: 35052400-11
UL3505, 24AWG, 黑色, 11/0.16, 镀锡

**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



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

Internal wiring 。 Conductor temperature not over 150°C XLPE insulated wire  
 Rated temperature: 150°C rated voltage: 600V

STYLE	standard AWG	Conductor size (No./ mm)	Conductor resistance 20°C (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3505	4/0	19/44/0.404	0.172	15.45	2.03	1.83	19.50	±0.20
	3/0	19/87/0.254	0.219	13.68	2.03	1.83	17.75	±0.20
	2/0	19/70/0.254	0.277	12.26	2.03	1.83	16.30	±0.20
	1/0	19/55/0.254	0.349	10.88	2.03	1.83	14.95	±0.20
	2	7/95/0.254	0.555	8.56	1.52	1.37	11.60	±0.20
	4	7/60/0.254	0.882	6.80	1.15	1.04	9.10	±0.20
	6	7/38/0.254	1.403	5.40	1.15	1.04	7.70	±0.20
	8	168/0.254	2.230	3.80	1.15	1.04	6.10	±0.15
	10	105/0.254	3.54	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	1.92	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	7/0.39	23.20	1.19	0.80	0.69	2.80	±0.10
		34/0.18	23.20	1.21	0.80	0.69	2.80	±0.10
		41/0.16	23.2	1.18	0.80	0.69	2.78	±0.10
		16/0.254	23.20	1.18	0.80	0.69	2.75	±0.10
	20	10/0.254	36.70	0.95	0.80	0.69	2.55	±0.10
		21/0.18	36.70	0.95	0.80	0.69	2.55	±0.10
		26/0.16	36.70	0.94	0.80	0.69	2.55	±0.10
	22	17/0.16	59.40	0.76	0.80	0.69	2.35	±0.10
7/0.254		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	

标志: E211048 AWM STYLE 3505 NO.AWG 150°C 600V XLPE QIFURUI   
 AWM I A 150°C 600V FT2 -LF-  
 E211048 AWM STYLE 3505 NO.AWG 150°C 600V VW-1 XLPE QIFURUI   
 AWM I A 150°C 600V FT1 -LF-

**PACKAGE**

*PACKAGE				
Part No.	Packing- FT/roll			
4/0~6AWG	■ 250Ft	□ 500Ft	□ 1000Ft	□ 2000Ft
8-10AWG	□ 250Ft	■ 500Ft	□ 1000Ft	□ 2000Ft
12~16AWG	□ 250Ft	□ 500Ft	■ 1000Ft	□ 2000Ft
18~30AWG	□ 250Ft	□ 500Ft	□ 1000Ft	■ 2000Ft

根据客户要求包装

### 1.Characteristic:

a、 excellent mechanical properties

#### XLPE Insulation:

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

After aging:

Condition:158±1.0℃/ 168H

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

#### XLPVDF Insulation:

Tensile strength≥25.2MPa, elongation at break≥110%

After aging:

Condition:158±1.0℃/ 168H

Tensile strength residual rate≥90% elongation at break≥75%

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.

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

### 2. Electrical performance

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

b、 Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 6000 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 electronic equipment

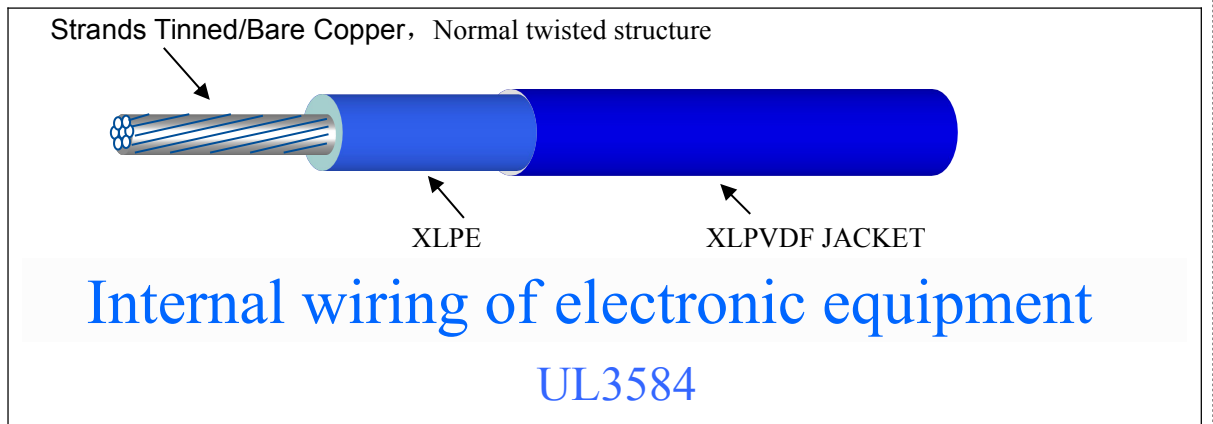
### Guideline:

UL758-2014、 UL1581-2009

### Overview:

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

Serial number	change content	confirm	date	prepared by	Chen Li
A/0	First release	Jin Biao	2019.06.05	Review	Zhang Heng
A/1	增加10#	Jin Biao	2021.01.15	Approve	
				Date of preparation	2019.06.05



#### Wire structure description:

Conductor: Tinned /Bare copper

Insulation materials: XLPE

Jacket: XLPVDF

设备内部接线，导体温度不超过 125℃的聚乙烯绝缘  
rated temperature: 125℃ rated voltage: 600V

STYLE	SIZE AWG	Conductor construction (No./mm) ±0.005	Conductor resistance 20℃ (Ω/Km)	Conductor diameter (mm)	insulation thickness (mm)		Layer 1 Over diameter (mm)		Jacket thickness (mm)		Layer 2 Over diameter (mm)	
					Nom.	Min.	Nom.	Tole.	Nom.	Min.	Nom.	Tole.
3584	10	37/0.42	3.54	2.94	0.40	0.10	3.74	±0.15	0.20	0.10	4.14	±0.15
	12	19/0.5	5.64	2.52	0.15	0.10	2.82	±0.15	0.10	0.06	3.02	±0.15
	14	19/0.374	8.96	1.88	0.15	0.10	2.18	±0.15	0.10	0.06	2.38	±0.15
	16	19/0.287	14.6	1.45	0.15	0.10	1.74	±0.10	0.10	0.06	1.94	±0.10
	18	19/0.235	23.2	1.18	0.15	0.10	1.48	±0.10	0.10	0.06	1.68	±0.10
	20	19/0.19	36.7	0.95	0.15	0.10	1.26	±0.10	0.10	0.06	1.46	±0.10
	22	19/0.15	59.4	0.76	0.15	0.10	1.06	±0.10	0.10	0.06	1.26	±0.10
	24	7/0.20	94.2	0.61	0.15	0.10	0.91	±0.10	0.10	0.06	1.11	±0.10
	26	7/0.16	150	0.49	0.15	0.10	0.79	±0.10	0.10	0.06	0.99	±0.10
	28	7/0.127	239	0.39	0.15	0.10	0.69	±0.10	0.10	0.06	0.89	±0.10

Please contact and confirm the specifications above 10AWG.

#### Sign:

1、 Printing: E211048 AWM STYLE 3584 NO.AWG 125℃ 600V XLPE+XLPVDF QIFURUI

c. AWM I A 125℃ 600V FT2 -LF-

OR: E211048 AWM STYLE 3584 NO.AWG 125℃ 600V VW-1 XLPE+XLPVDF QIFURUI

c. AWM I A 125℃ 600V FT1 -LF-

2、 Label identification: manufacturer, model, specification, rated temperature resistance,rated withstand voltage, insulation material, color, package length,Production Date

#### 3F product code:

E.g: 35841200-19
UL3584, 12AWG, black, 19/0.5, Tin plating

#### 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				
型号	包装方式- 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
18~28AWG	<input type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft

According to customer requirements for packaging packaging



**characteristic:**

**1. Physical properties**

- a, excellent mechanical properties:  
Tensile strength  $\geq 13.8\text{MPa}$ , elongation at break  $\geq 300\%$   
After aging:  
Condition:  $180 \pm 1.0^\circ\text{C} / 168\text{H}$   
Tensile strength residual rate  $\geq 80\%$ , elongation at break,  $\geq 80\%$
- 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 combustion, burning 5 times, each time 15S, any residual flame is not more than 60S.
- c. Low temperature bending:  $-10^\circ\text{C} \pm 2^\circ\text{C} / 4\text{H}$ , no crack on the surface of the sample is qualified

**2. Electrical performance**

- a, rated temperature:  $150^\circ\text{C}$  rated voltage: 3KV AC
- b. Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 10 KV AC
- c, dielectric withstand voltage: 7.0 KV AC, 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:**

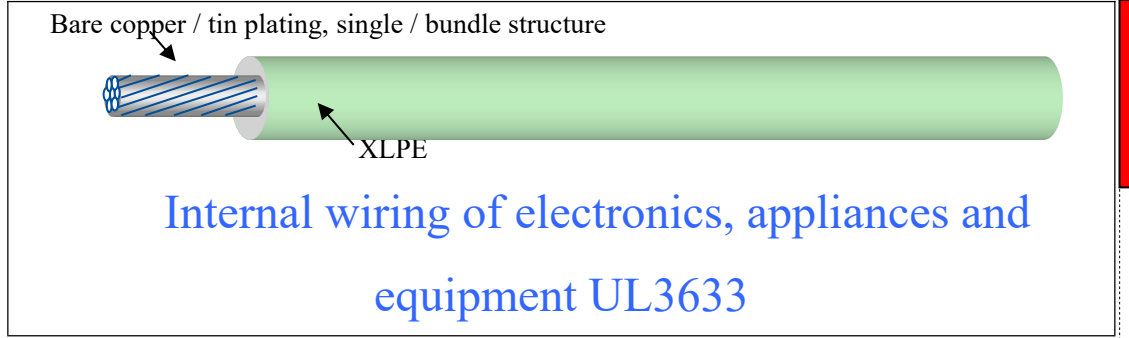
Internal wiring of electronics, appliances and equipment

**Guideline:**

UL758-2014、UL1581-2014

**Overview:**

Internal wiring of electronics, electrical appliances and equipment to prevent impact and sharp corner bending at high temperatures.



**Structure description:**

Conductor structure: bare copper / tinned conductor, single / bundle structure  
Insulation material: XLPE

Internal connection cable for electrical equipment, cross-linked polyethylene wire with conductor temperature not exceeding  $150^\circ\text{C}$   
Rated temperature:  $150^\circ\text{C}$  Rated voltage: 3000 Vac

STYLE	stand ard AWG	Conductor size (No./ mm) $\pm 0.005\text{mm}$	Conductor resistance $20^\circ\text{C}$ ( $\Omega/\text{Km}$ )	Conduct or Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom.	Min.	Nom.	Tole.
3633	10	105/0.254	3.54	3.01	0.5	0.25	4.01	$\pm 0.15$
	12	65/0.254	5.64	2.37	0.5	0.25	3.37	$\pm 0.15$
	12	19/0.50	5.64	2.52	0.5	0.25	3.52	$\pm 0.15$
	14	1/1.63	8.78	1.63	0.5	0.25	2.63	$\pm 0.10$
	14	19/0.374	8.96	1.88	0.5	0.25	2.88	$\pm 0.10$
	14	41/0.254	8.96	1.88	0.5	0.25	2.88	$\pm 0.10$
	16	26/0.254	14.60	1.50	0.5	0.25	2.5	$\pm 0.10$
	16	65/0.16	14.60	1.50	0.5	0.25	2.5	$\pm 0.10$
	18	16/0.254	23.20	1.17	0.30	0.25	1.77	$\pm 0.10$
	18	41/0.16	23.20	1.18	0.30	0.25	1.78	$\pm 0.10$
	18	34/0.18	23.20	1.21	0.30	0.25	1.81	$\pm 0.10$
	20	21/0.18	36.70	0.95	0.30	0.25	1.55	$\pm 0.10$
	20	1/0.813	35.20	0.81	0.30	0.25	1.41	$\pm 0.10$
	22	17/0.16	59.40	0.76	0.30	0.25	1.36	$\pm 0.10$
	24	11/0.16	94.20	0.61	0.30	0.25	1.21	$\pm 0.10$
	26	7/0.16	150.00	0.49	0.30	0.25	1.09	$\pm 0.10$
28	7/0.127	239.00	0.39	0.30	0.25	1.00	$\pm 0.10$	
30	7/0.10	381.00	0.31	0.30	0.25	0.91	$\pm 0.10$	

**Sign:**

- 1、Printing: E211048 AWM STYLE 3633 NO.AWG  $150^\circ\text{C}$  3000V XLPE QIFURUI  
c. AWM I A  $150^\circ\text{C}$  3000V FT2 -LF-  
OR: E211048 AWM STYLE 3633 NO.AWG  $150^\circ\text{C}$  3000V VW-1 XLPE QIFURUI  
c. AWM I A  $150^\circ\text{C}$  3000V FT2 -LF-

2、Label identification: manufacturer, model, specification, rated temperature resistance, rated withstand voltage, insulation material, color, package length, Production Date

**SAE COLOR SERIES**

*SAE COLOR SERIES				
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 checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
12~20AWG	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
22-30AWG	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft

According to customer requirements for packaging packaging

**3F product code:**

E.g: 36331800-16

UL3633, 18AWG, black, 16/0.254, Tin plating

Serial number	change content	confirm	date	prepared by	Zhang Heng
A/0	First release	Jin Biao	2018.12.04	Review	Chen Lin
				Approve	
				Date of preparation	2018.12.04

**characteristic:**

**1.Physical properties**

a, excellent mechanical properties:  
Tensile strength  $\geq 13.8\text{MPa}$ , elongation at break  $\geq 300\%$   
After aging:  
Condition:  $158 \pm 1.0^\circ\text{C} / 168\text{H}$   
Tensile strength residual rate  $\geq 80\%$ , elongation at break,  $\geq 80\%$

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 combustion, burning 5 times, each time 15S, any residual flame is not more than 60S.

c. Low temperature bending:  $-10^\circ\text{C} \pm 2^\circ\text{C} / 4\text{H}$ , no crack on the surface of the sample is qualified

**2. Electrical performance**

a, rated temperature:  $125^\circ\text{C}$  rated voltage: 3KV AC  
b. Spark test: When passing through the test electrode, no breakdown occurs. Spark test voltage is 10 KV AC  
c, dielectric withstand voltage: 7.0 KV AC, 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 electronics, appliances and equipment.

**Guideline:**

UL758-2014、UL1581-2009

**Overview:**

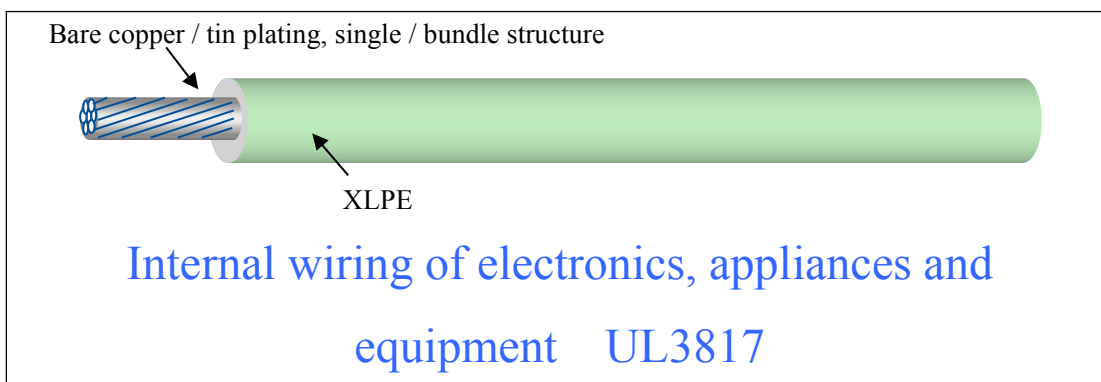
Internal wiring of electronics, electrical appliances and equipment to prevent impact and sharp corner bending at high temperatures

**3Fproduct code:**

E.g: 38171800-16
UL3817, 18AWG, black, 16/0.254, Tin plating

**SAE COLOR SERIES**

SAE COLOR SERIES				
00-BLACK	01-WHITE	02-RED	03-YELLOW	04-GREEN
05-BLUE	06-BROWN	07-GREY	08-ORANGE	09- VIOLET



**Structure description:**  
Conductor structure: bare copper / tinned conductor, single / bundle structure  
Insulation material: XLPE

Internal connection cable for electrical equipment, cross-linked polyethylene wire with conductor temperature not exceeding  $125^\circ\text{C}$   
Rated temperature:  $125^\circ\text{C}$  Rated voltage: 3000 Vac

STYLE	stand ard AWG	Conductor size (No./ mm) $\pm 0.005\text{mm}$	Conductor resistance $20^\circ\text{C}$ ( $\Omega/\text{Km}$ )	Conduct or Dia.(mm)	insulation thickness		Overall diameter	
					Nom.	Min.	Nom.	Tole.
3817	4/0	19/44/0.404	0.172	15.48	1.5	1.35	18.48	$\pm 0.30$
	3/0	19/87/0.254	0.219	13.68	1.5	1.35	16.68	$\pm 0.30$
	2/0	19/70/0.254	0.277	12.27	1.5	1.35	15.27	$\pm 0.30$
	1/0	19/55/0.254	0.349	10.88	1.5	1.35	13.88	$\pm 0.20$
	1	19/44/0.254	0.440	9.73	1.2	1.08	12.13	$\pm 0.20$
	2	7/95/0.254	0.555	8.58	1.2	1.08	10.98	$\pm 0.20$
	3	19/28/0.254	0.700	7.75	1.2	1.08	10.15	$\pm 0.20$
	4	7/60/0.254	0.882	6.82	1.2	1.08	9.22	$\pm 0.20$
	5	7/46/0.254	1.113	5.97	1.2	1.08	8.37	$\pm 0.20$
	6	7/38/0.254	1.403	5.43	1.2	1.08	7.83	$\pm 0.15$
	8	168/0.254	2.230	3.80	0.80	0.51	5.4	$\pm 0.15$
	10	105/0.254	3.54	3.01	0.80	0.51	4.61	$\pm 0.15$
	12	65/0.254	5.64	2.37	0.80	0.51	3.97	$\pm 0.15$
	14	19/0.374	8.96	1.88	0.60	0.51	3.08	$\pm 0.15$
	14	41/0.254	8.96	1.88	0.60	0.51	3.08	$\pm 0.15$
	16	26/0.254	14.60	1.50	0.60	0.51	2.70	$\pm 0.10$
	18	16/0.254	23.20	1.17	0.60	0.51	2.37	$\pm 0.10$
	20	21/0.18	36.70	0.95	0.60	0.51	2.15	$\pm 0.10$
	22	17/0.16	59.40	0.76	0.60	0.51	1.96	$\pm 0.10$
	24	11/0.16	94.20	0.61	0.60	0.51	1.81	$\pm 0.10$
26	7/0.16	150.00	0.49	0.60	0.51	1.69	$\pm 0.10$	
28	7/0.127	239.00	0.39	0.60	0.51	1.59	$\pm 0.10$	
30	7/0.10	381.00	0.31	0.60	0.51	1.51	$\pm 0.10$	

**Sign:**  
1、Printing: E211048 AWM STYLE 3817 NO.AWG  $125^\circ\text{C}$  3000V XLPE QIFURUI  
c. AWM I A  $125^\circ\text{C}$  3000V FT2 -LF-  
OR: E211048 AWM STYLE 3817 NO.AWG  $125^\circ\text{C}$  3000V VW-1 XLPE QIFURUI  
c. AWM I A  $125^\circ\text{C}$  3000V FT1 -LF-

2、Label identification: manufacturer, model, specification, rated temperature resistance, rated withstand voltage, insulation material, color, package length, Production Date

**PACKAGE**

*PACKAGE			
Part No.	Packing- FT/roll		
4/0-1/0	<input checked="" type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft
1-6	<input checked="" type="checkbox"/> 250Ft	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft
8~10AWG	<input checked="" type="checkbox"/> 500FT	<input type="checkbox"/> 1000FT	<input type="checkbox"/> 2000FT
12~16AWG	<input type="checkbox"/> 500FT	<input checked="" type="checkbox"/> 1000FT	<input type="checkbox"/> 2000FT
18~30AWG	<input type="checkbox"/> 500FT	<input type="checkbox"/> 1000FT	<input checked="" type="checkbox"/> 2000FT

According to customer requirements for packaging packaging

**CHARACTER:**

**1. Physical performance**

- a. Excellent mechanical properties
- b. Excellent thermal stability
- c. Low temperature soft good performance
- d. Good flame retardancy
- e. high of resistance to chemicals
- f. Chemistry stability is good

**2. Electrical Properties**

- a. Electrical insulation good
- b. Good the dielectric properties

**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 complian

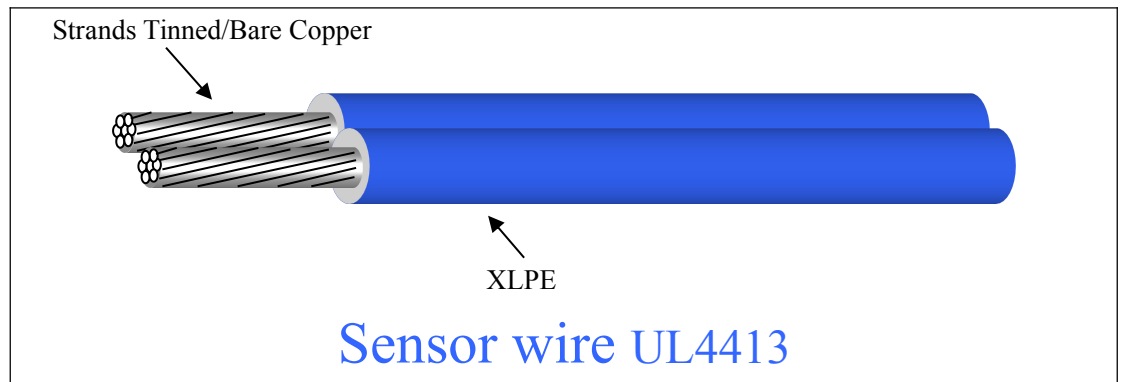
**SHOULD BE USED:**

Sensor wire

**REFERENCE:**

UL758-2010、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned /Bare copper ;  
Insulation materials: XLPE Insulation

Internal wiring 。 Conductor temperature not over 150°C XLPE insulated wire  
Rated temperature: 150°C rated voltage: 300V

STYLE	stand ard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20°C (Ω/Km)	Conduct or Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)
					Nom.	Min.	Nom.
4413 2C	16	26/0.254	14.60	1.50	0.38	0.33	2.26±0.10× 4.60+/-0.20
	18	16/0.254	23.20	1.17	0.38	0.33	1.93±0.10× 3.95+/-0.20
	20	21/0.18	36.70	0.95	0.38	0.33	1.71±0.10× 3.50+/-0.20
	20	1/0.813	36.70	0.95	0.38	0.33	1.57±0.10× 3.25+/-0.20
	22	17/0.16	59.40	0.76	0.38	0.33	1.52±0.10× 3.15+/-0.20
	22	1/0.65	59.40	0.65	0.38	0.33	1.41±0.10× 2.90+/-0.20
	24	11/0.16	94.20	0.61	0.38	0.33	1.37±0.10× 2.85+/-0.20
	26	7/0.16	150.00	0.48	0.38	0.33	1.24±0.10× 2.60+/-0.20
	28	7/0.127	239.00	0.38	0.38	0.33	1.14±0.10× 2.40+/-0.20
30	7/0.10	381.00	0.30	0.38	0.33	1.06±0.10× 2.20+/-0.20	

**Marking:** E211048 AWM STYLE 4413 NO.AWG×2C 150°C 300V XLPE QIFURUI  
c. AWM I A 150°C 300V FT2 -LF-  
OR: E211048 AWM STYLE 4413 NO.AWG×2C 150°C 300V VW-1 XLPE QIFURUI  
c. AWM I A 150°C 300V FT2 -LF-

**SAE 色板**

* 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				
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

**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

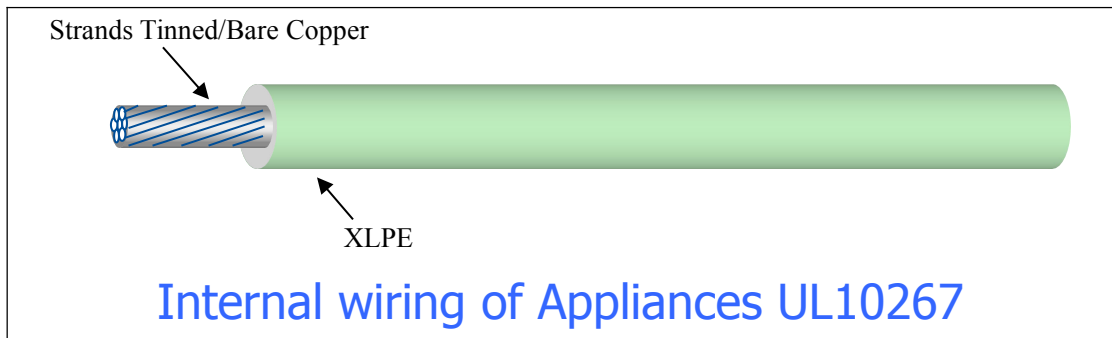
**Overview:**

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

### 1. Physical properties

**a. excellent mechanical properties:**

Tensile strength ≥ 10.3MPa, elongation at break ≥ 150%

After aging:

Condition: 136 ± 1.0°C / 168H

Tensile strength residual rate ≥ 70% elongation at break ≥ 45%

**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.

**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:** 105°C **rated voltage:** 300V

**b. Spark test:** When passing through the test electrode, no breakdown occurs. Spark test voltage is 3000V

**c. dielectric withstand voltage:** 2.0KV, 60 seconds without breakdown

### 3. Processing performance

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. in line with ROHS/REACH

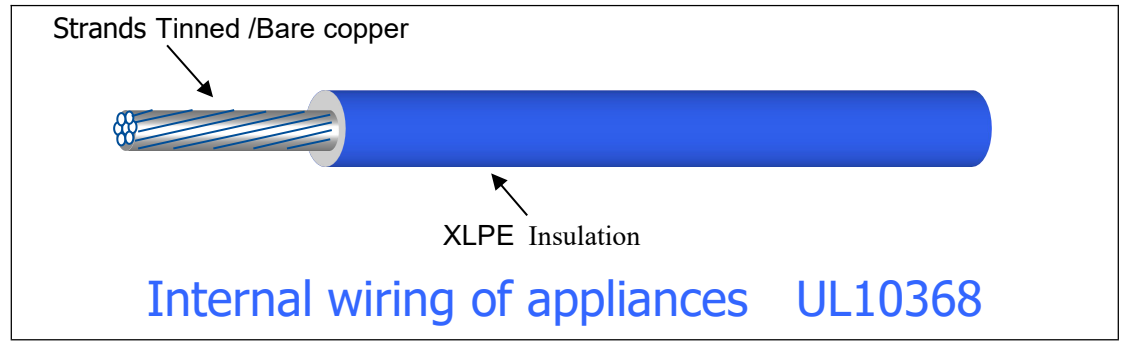
### application:

Internal wiring of appliances

### Guideline:

UL758-2010、UL1581-2009

### Overview:



**Wire structure description:**

Conductor: Tinned /Bare copper ;

Insulation materials: XLPE Insulation

Internal wiring ,Conductor temperature not over 105°C XLPE insulated wire  
 Rated temperature: 105°C rated voltage: 300V

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
10368	10	105/0.254	3.54	3.00	0.35	0.20	3.70	±0.15
	12	65/0.254	5.64	2.36	0.35	0.20	3.10	±0.15
	14	41/0.254	8.96	1.88	0.35	0.20	2.60	±0.15
	16	26/0.254	14.60	1.50	0.25	0.20	2.00	±0.10
	18	16/0.254	23.20	1.17	0.25	0.20	1.65	±0.10
	20	21/0.18	36.70	0.95	0.25	0.20	1.45	±0.10
	22	17/0.16	59.40	0.76	0.25	0.20	1.26	±0.10
	22	1/0.65	56.40	0.65	0.25	0.20	1.15	±0.10
	24	11/0.16	94.20	0.61	0.25	0.20	1.10	±0.10
	26	19/0.1	150.00	0.50	0.25	0.20	0.98	±0.10
	26	7/0.16	150.00	0.48	0.25	0.20	0.98	±0.10
	28	7/0.127	239.00	0.38	0.25	0.20	0.88	±0.10
30	7/0.10	381.00	0.30	0.25	0.20	0.80	±0.10	

**Marking:** E211048 AWM STYLE 10368 NO.AWG 105°C 300V XLPE QIFURUI  
 AWM I A 105°C 300V FT2 -LF-  
 OR: E211048 AWM STYLE 10368 NO.AWG 105°C 300V VW-1 XLPE QIFURUI  
 AWM I A 105°C 300V FT1 -LF-  
 OR: E211048 AWM STYLE 10368 NO.AWG 105°C 300V XLPE QIFURUI 221756  
 CSA AWM I A 105°C 300V FT2 -LF-

**SAECOLOR 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 checked="" type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
12~16AWG	<input type="checkbox"/> 500Ft	<input checked="" type="checkbox"/> 1000Ft	<input type="checkbox"/> 2000Ft
18-30AWG	<input type="checkbox"/> 500Ft	<input type="checkbox"/> 1000Ft	<input checked="" type="checkbox"/> 2000Ft

According to customer requirements for packaging packaging

**CHARACTER:**

**1. Physical performance**

a. **excellent mechanical properties:**

Tensile strength ≥ 10.3MPa, elongation at break ≥ 150%

After aging:

Condition: 121 ± 1.0°C / 168H

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

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:** -25°C ± 1°C, no crack on the surface of the sample is qualified

d. **Thermal deformation test:** 131°C ± 1°C, deformation rate ≤ 30% after 30min load

Thermal deflection test load requirements:

Standard/AWG	Load/N
14-8	4.90
6-1	7.35
1/0-4/0	9.81

**2. Electrical Properties**

a. **rated temperature:** 90°C **rated voltage:** 600V

b. **Spark experiment:** No breakdown occurs when passing through the test electrode.

The spark test voltage is:

Standard/AWG	Spark test voltage/KV
14-10	7.5
8-2	10.0
1-4/0	12.5

c. **Dielectric withstand voltage:** dielectric strength test for 60s, no breakdown.

The AC test voltage for dielectric strength test is:

Standard/AWG	60S test voltage/KV AC
14-10	3.0
8-2	3.5
1-4/0	4.0

**3. Processing properties**

a. Good wire processing performance

b. According to UL standard design

**4. Environmental protection**

a. ROHS/REACH compliant

b. nonhazardous

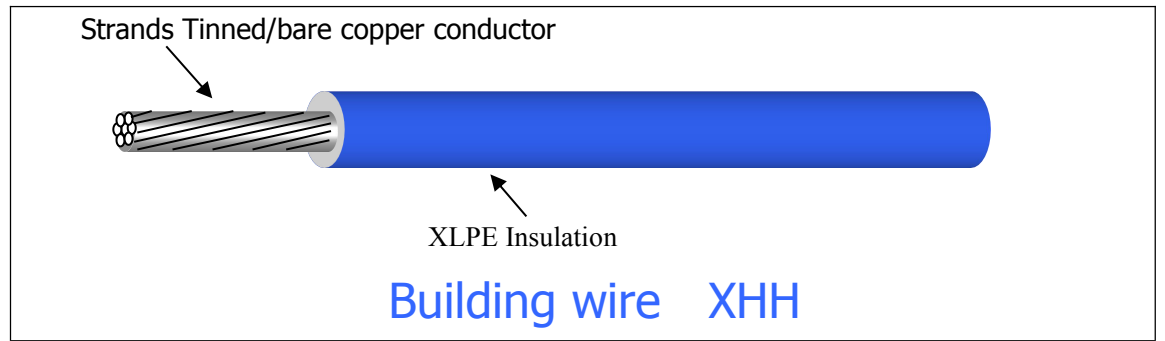
**SHOULD BE USED:**

This kind of flame retardant cable is widely used in power supply, control and lighting circuits in industrial and civil fields. Suitable for indoor, outdoor, overhead, pipeline, cable tray, and direct burial of circuits not exceeding 600V and other installation methods.

**REFERENCE:**

UL44-2018、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned/bare copper conductor

Insulation materials: XLPE Insulation

Conductor temperature not over 90°C XLPE insulated wire

Rated temperature: 90°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)	
			Bare	Tin		Nom.	Min.	Mon	Tol
XHH	4/0	19/2.68	0.167	0.172	13.50	1.40	1.27	16.3	±0.30
	3/0	19/2.39	0.211	0.219	12.00	1.40	1.27	14.8	±0.30
	2/0	19/2.13	0.266	0.277	10.70	1.40	1.27	13.5	±0.30
	1/0	19/1.90	0.335	0.349	9.60	1.40	1.27	12.5	±0.30
	01	19/1.70	0.423	0.440	8.60	1.40	1.27	11.5	±0.20
	02	19/1.50	0.534	0.555	7.60	1.14	1.02	9.90	±0.20
	04	19/1.20	0.848	0.882	6.10	1.14	1.02	8.40	±0.20
	06	19/0.95	1.348	1.403	4.80	1.14	1.02	7.10	±0.15
	08	19/0.75	2.144	2.230	3.80	1.14	1.02	6.10	±0.15
	10	19/0.60	3.409	3.546	3.10	0.76	0.69	4.60	±0.15
	12	19/0.50	5.43	5.64	2.60	0.76	0.69	4.10	±0.15
	14	19/0.374	8.62	8.96	1.90	0.76	0.69	3.40	±0.15

**Marking: E532671 (UL) TYPE XHH NO.AWG 600V 90°C XLPE VW-1 QIFURUI -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/shaft (轴装)					
4/0~3/0AWG	■ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
2/0-1/0AWG	□ 500Ft	■ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
1-2AWG	□ 500Ft	□ 1000Ft	■ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
4-6AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	■ 2500Ft	□ 5000Ft	□ 10000Ft
8AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	■ 5000Ft	□ 10000Ft
10-14AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	■ 10000Ft

According to customer requirements for packaging packaging

**CHARACTER:**

**1. Physical performance**

a. **excellent mechanical properties:**

Tensile strength ≥ 10.3MPa, elongation at break ≥ 150%

After aging:

Condition: 121 ± 1.0°C / 168H

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

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:** -25°C ± 1°C, no crack on the surface of the sample is qualified

d. **Thermal deformation test:** 131°C ± 1°C, deformation rate ≤ 30% after 30min load

Thermal deflection test load requirements:

Standard/AWG	Load/N
14-8	4.90
6-1	7.35
1/0-4/0	9.81

**2. Electrical Properties**

a. **rated temperature:** 90°C **rated voltage:** 1000V and 600V

b. **Spark experiment:** No breakdown occurs when passing through the test electrode.

The spark test voltage is:

rated voltage	1KV	600V
Standard/AWG	Spark test voltage/KV	Spark test voltage/KV
14-10AWG	10	7.5
8-2AWG	12.5	10
1-4/0AWG	15	12.5

c. **Dielectric withstand voltage:** dielectric strength test for 60s, no breakdown.

The AC test voltage for dielectric strength test is:

rated voltage	1KV	600V
Standard/AWG	Spark test voltage/KV	Spark test voltage/KV
14-10AWG	6	3
8-2AWG	7.5	3.5
1-4/0AWG	9	4

**3. Processing properties**

- a. Good wire processing performance
- b. According to UL standard design

**4. Environmental protection**

- a. ROHS/REACH compliant
- b. nonhazardous

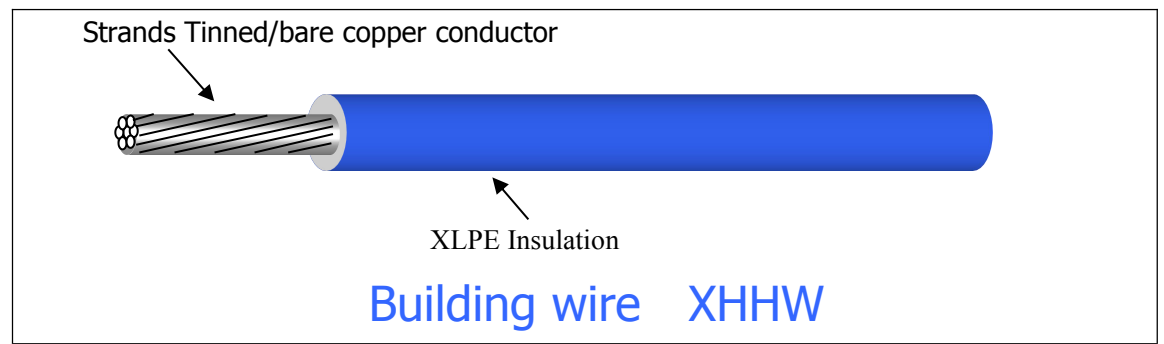
**SHOULD BE USED:**

This kind of flame retardant cable is widely used in power supply, control and lighting circuits in industrial and civil fields. Suitable for indoor, outdoor, overhead, pipeline, cable tray, and direct burial of circuits not exceeding 1000V and other installation methods.

**REFERENCE:**

UL44-2018, UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned/bare copper conductor

Insulation materials: XLPE Insulation

Conductor temperature not over 90°C XLPE insulated wire									
Rated temperature: 90°C rated voltage: 1000V and 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)	
			Bare	Tin		Nom.	Min.	Mon	Tol
XHHW	4/0	19/2.68	0.167	0.172	13.50	1.40	1.27	16.3	±0.30
	3/0	19/2.39	0.211	0.219	12.00	1.40	1.27	14.8	±0.30
	2/0	19/2.13	0.266	0.277	10.70	1.40	1.27	13.5	±0.30
	1/0	19/1.90	0.335	0.349	9.60	1.40	1.27	12.5	±0.30
	01	19/1.70	0.423	0.440	8.60	1.40	1.27	11.5	±0.20
	02	19/1.50	0.534	0.555	7.60	1.14	1.02	9.90	±0.20
	04	19/1.20	0.848	0.882	6.10	1.14	1.02	8.40	±0.20
	06	19/0.95	1.348	1.403	4.80	1.14	1.02	7.10	±0.15
	08	19/0.75	2.144	2.230	3.80	1.14	1.02	6.10	±0.15
	10	19/0.60	3.409	3.546	3.10	0.76	0.69	4.60	±0.15
	12	19/0.50	5.43	5.64	2.60	0.76	0.69	4.10	±0.15
	14	19/0.374	8.62	8.96	1.90	0.76	0.69	3.40	±0.15

**Marking:** E532671 (UL) TYPE XHHW NO.AWG 600V or 1000V 90 °C XLPE VW-1 QIFURUI -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/shaft (轴装)					
4/0~3/0AWG	■ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
2/0-1/0AWG	□ 500Ft	■ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
1-2AWG	□ 500Ft	□ 1000Ft	■ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
4-6AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	■ 2500Ft	□ 5000Ft	□ 10000Ft
8AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	■ 5000Ft	□ 10000Ft
10-14AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	■ 10000Ft

According to customer requirements for packaging packaging

**CHARACTER:**

**1.Physical performance**

a、 **excellent mechanical properties:**

Tensile strength ≥ 10.3MPa, elongation at break ≥ 150%

After aging:

Condition: 121 ± 1.0°C / 168H

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

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:** -25°C ± 1°C, no crack on the surface of the sample is qualified

d、 **Thermal deformation test:** 131°C ± 1°C, deformation rate ≤ 30% after 30min load

Thermal deflection test load requirements:

Standard/AWG	Load/N
14-8	4.90
6-1	7.35
1/0-4/0	9.81

**2.Electrical Properties**

a、 **rated temperature:** 90°C **rated voltage:** 600V

b、 **Spark experiment:** No breakdown occurs when passing through the test electrode.

The spark test voltage is:

Standard/AWG	Spark test voltage/KV
14-10	7.5
8-2	10.0
1-4/0	12.5

c、 **Dielectric withstand voltage:** dielectric strength test for 60s, no breakdown.

The AC test voltage for dielectric strength test is:

导体规格/AWG	60s 试验电压/KV AC
14-10	3.0
8-2	3.5
1-4/0	4.0

**3.Processing properties**

a、 Good wire processing performance

b、 According to UL standard design

**4.Environmental protection**

a、 ROHS/REACH compliant

b、 nonhazardous

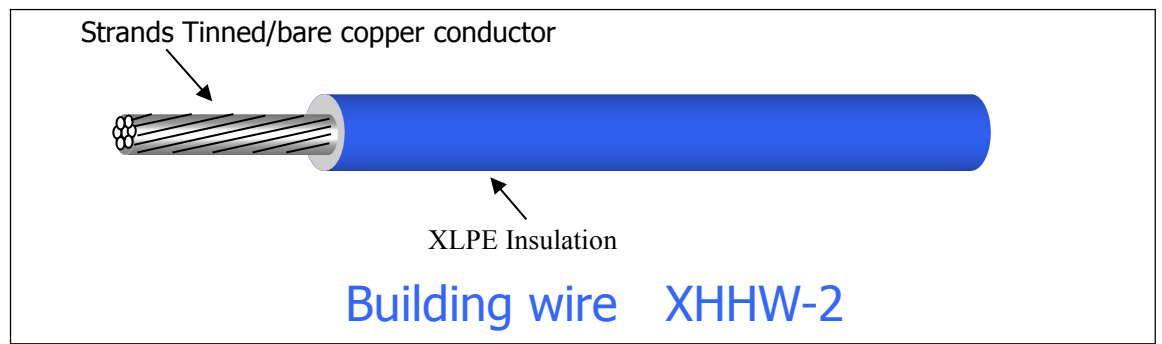
**SHOULD BE USED:**

This kind of flame retardant cable is widely used in power supply, control and lighting circuits in industrial and civil fields. Suitable for indoor, outdoor, overhead, pipeline, cable tray, and direct burial of circuits not exceeding 600V and other installation methods.

**REFERENCE:**

UL44-2018、 UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Tinned/bare copper conductor

Insulation materials: XLPE Insulation

Conductor temperature not over 90°C XLPE insulated wire

Rated temperature: 90°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)	
			Bare	Tin		Nom.	Min.	Mon	Tol
XHHW-2	4/0	19/2.68	0.167	0.172	13.50	1.40	1.27	16.3	±0.30
	3/0	19/2.39	0.211	0.219	12.00	1.40	1.27	14.8	±0.30
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	01	19/1.70	0.423	0.440	8.60	1.40	1.27	11.5	±0.20
	02	19/1.50	0.534	0.555	7.60	1.14	1.02	9.90	±0.20
	04	19/1.20	0.848	0.882	6.10	1.14	1.02	8.40	±0.20
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	12	19/0.50	5.43	5.64	2.60	0.76	0.69	4.10	±0.15
	14	19/0.374	8.62	8.96	1.90	0.76	0.69	3.40	±0.15

**Marking: E532671 (UL) TYPE XHHW-2 NO.AWG 600V 90°C XLPE VW-1 QIFURUI-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/shaft (轴装)					
4/0~3/0AWG	■ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
2/0-1/0AWG	□ 500Ft	■ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
1-2AWG	□ 500Ft	□ 1000Ft	■ 1500Ft	□ 2500Ft	□ 5000Ft	□ 10000Ft
4-6AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	■ 2500Ft	□ 5000Ft	□ 10000Ft
8AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	■ 5000Ft	□ 10000Ft
10-14AWG	□ 500Ft	□ 1000Ft	□ 1500Ft	□ 2500Ft	□ 5000Ft	■ 10000Ft

According to customer requirements for packaging packaging