

**CHARACTER:**

**1.Physical performance**

**XLPE Insulation Physical performance**

- a. Excellent mechanical properties:  
Tensile strength>13.8MPa;Elongation percent>300%
- b. Excellent thermal aging:  
158℃ 168h,Tensile strength retention rate>80%, Elongation rate of residual>80%
- c. Good Heat shock test:  
158℃, 1h, No crack
- d. Good Deformation test :  
121℃, 1h, Deformation≤50%
- e. Good flame retardant:  
VW-1, FT2
- f. Good Cold bend capacity:  
-10℃, 4h, No crack.

**2.Electrical Properties**

- a. Good Electrical insulation :  
Rated Voltage 600V;Spark pressure 6000V;The test pressure 2000V.
- b. conductor can support various structures:  
Tinned/ Bare copper

**3.Environmental protection**

- a. ROHS/REACH compliant

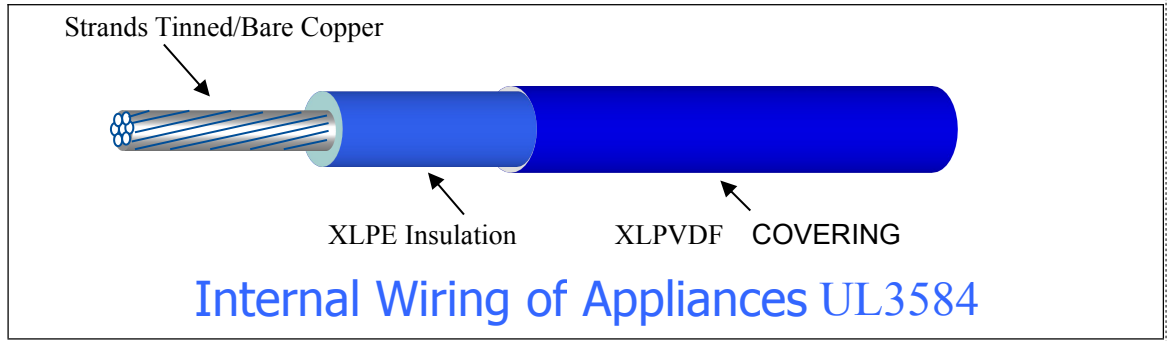
**SHOULD BE USED:**

Internal Wiring of Appliances

**REFERENCE:**

UL758、UL1581

**Outline:**



**Wire structure description:**

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

Internal wiring 。 Conductor temperature not over 125℃ XLPE insulated wire  
Rated temperature: 125℃ rated voltage: 600V

STYLE	standard AWG	Conduct or size (No./ mm)	Conduct or resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		jacket thickness (mm)		Overall diameter (mm)	
					Nom	Min	Nom	Min	Nom	Tole.
3584	16	19/0.287	14.60	1.45	0.13	0.10	0.08	0.05	1.87	±0.10
	18	19/0.235	23.20	1.18	0.13	0.10	0.08	0.05	1.60	±0.10
	20	19/0.19	36.70	0.95	0.13	0.10	0.08	0.05	1.37	±0.10
	22	19/0.15	59.40	0.76	0.13	0.10	0.08	0.05	1.18	±0.10
	24	7/0.20	94.20	0.61	0.13	0.10	0.08	0.05	1.03	±0.10
	26	7/0.16	150.00	0.49	0.13	0.10	0.08	0.05	0.91	±0.10
	28	7/0.127	239.00	0.39	0.13	0.10	0.08	0.05	0.81	±0.10

16AWG 以上规格请联系确认。

**Marking:** E211048 AWM STYLE 3584 NO.AWG 125℃ 600V XLPE+XLPVDF QIFURUI  
c 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			
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

3F

According to customer requirements for packaging packaging