

**CHARACTER:**

**1.Physical performance**

- a、Excellent mechanical properties:  
Tensile strength ≥16.5MPa; Elongation percent ≥120%
- b、Excellent thermal aging:  
232℃ 168h, Tensile strength retention rate ≥85%, Elongation rate of Residual ≥85%
- c、Good flame retardancy:  
VW-1
- d、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:  
Silver-plated/Nickel-plated/tinned/bare copper conductor

**3.Environmental protection**

- a、ROHS/REACH compliant

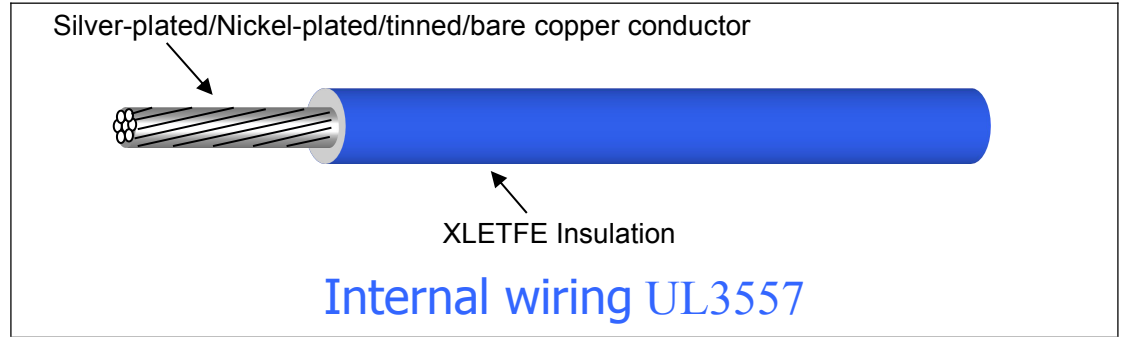
**SHOULD BE USED:**

For general purpose internal wiring of electronic Appliances where exposed to temperatures not Exceeding 200C.

**REFERENCE:**

UL758-2014、UL1581-2009

**Outline:**



**Wire structure description:**

Conductor: Silver-plated/Nickel-plated/tinned/bare copper conductor  
Insulation materials: XLETFE Insulation

Conductor temperature not over 200℃ XLETFE insulated wire  
Rated temperature: 200℃ rated voltage: 600V

STYLE	stand ard AWG	Conductor size (No./ mm) ±0.005mm	Conductor resistance 20℃ (Ω/Km)	Conductor Dia.(mm)	insulation thickness (mm)		Overall diameter (mm)	
					Nom	Min	Mon	Tol
3557	10	37/0.42	3.54	2.94	0.30	0.18	3.54	±0.15
	12	19/0.50	5.64	2.50	0.30	0.17	3.10	±0.15
	14	19/0.361	8.96	1.81	0.20	0.15	2.21	±0.10
	16	19/0.287	14.60	1.44	0.20	0.14	1.84	±0.10
	18	19/0.235	23.20	1.18	0.20	0.14	1.58	±0.10
	20	19/0.19	36.70	0.95	0.20	0.14	1.35	±0.10
	22	19/0.15	59.40	0.75	0.18	0.14	1.11	±0.10
	24	19/0.12	94.20	0.60	0.18	0.14	0.96	±0.10
	26	19/0.1	150.00	0.50	0.18	0.14	0.86	±0.10
	28	7/0.127	239.00	0.38	0.18	0.14	0.74	±0.10
30	7/0.10	361.00	0.30	0.18	0.14	0.66	±0.10	

OD of single strand 0.5mm±0.005mm, OD of single strand 0.5mm±0.01mm.  
30-28AWG not available bare copper or tinned

**Marking :** E211048 AWM STYLE 3557 NO.AWG 200℃ 600V VW-1 XLETFE 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**

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

According to customer requirements for packaging packaging

