

CHARACTER:

Conductor

- a、Conductor diameter and sectional area (UL1581 Section 20)。
- b、Conductor resistance (UL1581 Section 30)。

Insulation

1.CHARACTER

- a、maturing mechanical property: (UL1581 Section 50.182)
BEFORE AGING: tensile strength ≥ 10.3MPa, elongation at break ≥ 100%
ageing condition: 136 ± 1.0°C / 168H
after aging: Tensile strength residual rate ≥ 70%
Residual elongation at break ≥ 45%
- b、Thermal shock: 136 ± 1°C / 1H, There is no crack on the wire surface. (UL758 Section 21)
- c、Cold Bend: -10°C ± 2°C / 4H, The specimen surface without crack is qualified. (UL758 Section 22)

2.Electrical Properties

- a、Rated temperature: 80°C, 90°C, 105°C Rated voltage: 1000V
- b、Spark test: No puncture occurs when passing through the test electrode. Voltage: 2kv. (UL758 Section 45)
- c、Dielectric Strength: 3KV, incomplete breakdown 60s. (UL758 Section 28)

3.Antiflaming

- a、VW-1 (UL1581 Section 1080)。
- b、FT-1 (UL1581 Section 1060)。

4.Processing properties

- a、Using the hot extrusion processing
- b、Can be twisted pair and multi-core
- c、Good processing properties Harness
- d、Harness processing process good compatibility
- e、According to UL standard design

5.Environmental protection

- a、ROHS/REACH compliant

SHOULD BE USED:

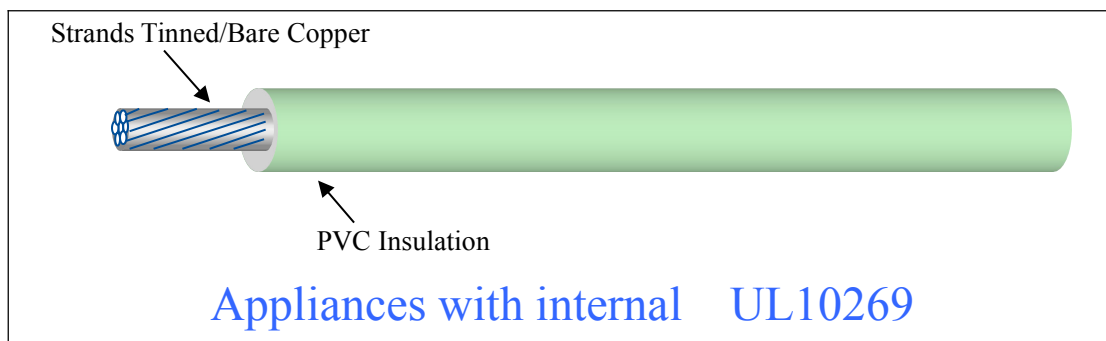
General commercial, electronic electric appliance and equipment instrument internal connections。

Wire design standard:

UL758-2010、UL1581-2009 CSA C22.2

注意:

- a、Appliances with internal, Wires are exposed to oil, the oil temperature shall not exceed 60 °C and 80 °C。
- b、Label: 3500V-For electronic use only。



Wire structure description:

Conductor: Tinned /Bare copper/nickel plating/silvering
Insulation materials: PVC Insulation

Appliances with internal, No more than 105 °C temperature of conductor occasion
Rated temperature: 80°C, 90°C, 105°C Rated voltage: 1000V

STYLE	SIZE AWG	Conductor Construction (No./ mm) ±0.005	Conductor resistance 20°C (Ω/Km)	Conductor diameter (mm)	Insulation thickness (mm)		Over diameter (mm)	
					Nom	Min.	Nom	Tole
10269	4/0	7/78/0.50	0.172	15.30	2.03	1.83	19.36	±0.50
	3/0	19/88/0.254	0.219	13.76	2.03	1.83	17.82	±0.50
	3/0	433/0.50	0.219	12.02	2.03	1.83	16.08	±0.50
	2/0	344/0.50	0.277	10.71	2.03	1.83	14.77	±0.50
	1/0	19/22/0.4	0.349	10.83	2.03	1.83	14.89	±0.40
	1	333/0.4	0.440	9.43	2.03	1.83	12.49	±0.30
	2	7/38/0.4	0.555	8.54	1.53	1.37	11.60	±0.30
	4	7/24/0.4	0.882	6.80	1.53	1.37	9.86	±0.30
	6	7/38/0.254	1.403	5.43	1.53	1.37	8.50	±0.2
	8	7/17/0.300	2.230	4.29	1.15	1.02	6.60	±0.2
	10	105/0.254	3.54	3.00	0.80	0.69	4.61	±0.2
	12	65/0.254	5.64	2.36	0.80	0.69	4.00	±0.2
	14	41/0.254	8.96	1.87	0.80	0.69	3.50	±0.2
	16	26/0.254	14.60	1.50	0.80	0.69	3.10	±0.2
	18	16/0.254	23.20	1.17	0.80	0.69	2.77	±0.2
	20	21/0.178	36.70	0.94	0.80	0.69	2.54	±0.1
22	17/0.16	59.40	0.76	0.80	0.69	2.36	±0.1	
24	11/0.16	94.20	0.61	0.80	0.69	2.21	±0.1	
26	7/0.16	150.00	0.49	0.80	0.69	2.10	±0.1	

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

Marking: E211048 AWM STYLE10269 NO. AWG105°C 1000V VW-1 PVC QIFURUI c. AWM I A 105°C1000V 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			
4/0~2/0AWG	■ 164Ft	□ 328Ft	□ 1000Ft	□ 2000Ft
1/0~08AWG	□ 164Ft	■ 328Ft	□ 1000Ft	□ 2000Ft
10~18AWG	□ 164Ft	□ 328Ft	■ 1000Ft	□ 2000Ft
20~26AWG	□ 164Ft	□ 328Ft	□ 1000Ft	■ 2000Ft



According to customer requirements for packaging packaging