

**CHARACTER:**

**1. Physical performance**

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

**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、Good processing properties Harness
- d、Harness processing process good compatibility
- e、According to UL standard design

**4. Environmental protection**

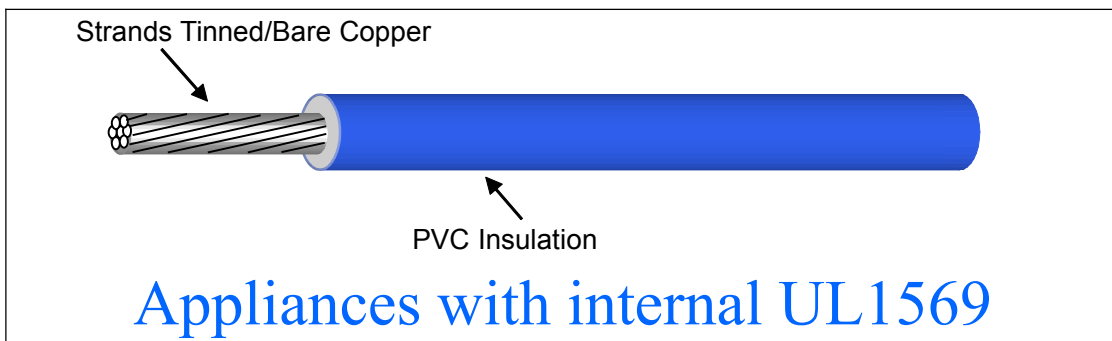
- a、ROHS/REACH compliant

**SHOULD BE USED:**

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

**REFERENCE:**

UL758-2010、UL1581-2009



**Wire structure description:**

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

Appliances with internal , No more than 105°C temperature of conductor occasion  
Rated temperature: 105°C Rated voltage:300V

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.
1569	2	7/95/0.254	0.555	8.58	0.80	0.69	10.20	±0.20
	3	7/76/0.254	0.700	7.67	0.80	0.69	9.27	±0.20
	4	7/60/0.254	0.882	6.82	0.80	0.69	8.42	±0.15
	5	7/46/0.254	1.113	5.97	0.80	0.69	7.57	±0.15
	6	7/38/0.254	1.403	5.41	0.80	0.69	7.00	±0.15
	7	7/30/0.254	1.768	4.82	0.80	0.69	6.42	±0.15
	8	168/0.254	2.230	3.80	0.80	0.69	5.40	±0.15
	10	105/0.254	3.54	3.00	0.50	0.45	4.00	±0.15
	12	65/0.254	5.64	2.36	0.50	0.45	3.36	±0.15
	14	19/0.374	8.96	1.88	0.50	0.45	2.90	±0.15
	14	41/0.254	8.96	1.88	0.50	0.45	2.90	±0.15
	16	26/0.254	14.60	1.50	0.40	0.33	2.30	±0.1
	18	16/0.254	23.20	1.17	0.40	0.33	1.95	±0.1
	18	1/1.02	23.20	1.02	0.40	0.33	1.85	±0.1
	20	21/0.18	36.70	0.95	0.40	0.33	1.75	±0.1
		1/0.813	35.20	0.813	0.40	0.33	1.60	±0.1
	22	17/0.16	59.40	0.76	0.40	0.33	1.56	±0.1
	24	11/0.16	94.20	0.61	0.40	0.33	1.41	±0.1
	26	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	0.31	0.40	0.33	1.11	±0.1	

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

