

## UL 1569 Electronic wires

### ► Description

- Rated temperature 105 °C ; rated voltage 600V;
- Solid or strands, tinned or bare copper conductor 30-10AWG;
- PVC insulation ,comply with ROHS environmental standard;
- Uniform insulation thickness to ensure easy stripping and cutting;
- Pass UL VW-1,CSA FT1 and JQA -F-Mark flame test;



## UL 1569 Technical data

导体 CONDUCTOR			绝缘 INSULATION		最大导体电阻 MAX.COND. RESISTANCE (Ω/km,20°C,DC)	耐压强度 DIELECTRIC STRENGTH (VAC, 1min)
规格 AWG	构造 CONSTRUCTION (No./mm)	外径 DIA. (mm)	厚度 THICKNESS (mm)	外径 O.D. (mm)		
30	1/0.254	0.25	0.40	1.05	361	2,000
	7/0.10	0.30	0.40	1.10	381	
28	1/0.32	0.32	0.39	1.10	227	2,000
	7/0.127	0.38	0.41	1.20	239	
	7/0.127OS-1*	0.38	0.41	1.20	239	
26	1/0.404	0.40	0.43	1.25	143	2,000
	7/0.16	0.48	0.41	1.30	150	
	7/0.16 OS-1*	0.48	0.41	1.30	150	
24	1/0.511	0.51	0.42	1.35	89.3	2,000
	11/0.16	0.61	0.40	1.40	94.2	
	7/0.200S-1*	0.60	0.41	1.40	94.2	
22	1/0.643	0.64	0.43	1.50	56.4	2,000
	17/0.16	0.76	0.42	1.60	59.4	
	7/0.254 OS-1*	0.76	0.42	1.60	59.4	
20	1/0.813	0.81	0.42	1.65	35.2	2,000
	26/0.16	0.94	0.43	1.80	36.7	
	7/0.32OS-1*	0.96	0.42	1.80	36.7	
18	1/1.024	1.02	0.41	1.85	22.2	2,000
	41/0.16	1.18	0.46	2.10	23.2	
	7/0.404OS-1*	1.20	0.45	2.10	23.2	
16	1/1.29	1.29	0.46	2.20	14.0	2,000
	26/0.254	1.49	0.46	2.40	14.6	
14	1/0.160	1.60	0.45	2.50	8.78	2,000
	41/0.254	1.88	0.41	2.70	8.96	
12	65/0.254	2.36	0.42	3.20	5.64	2,000
10	105/0.254	3.42	0.44	4.30	3.54	2,000

## ► Standard windings

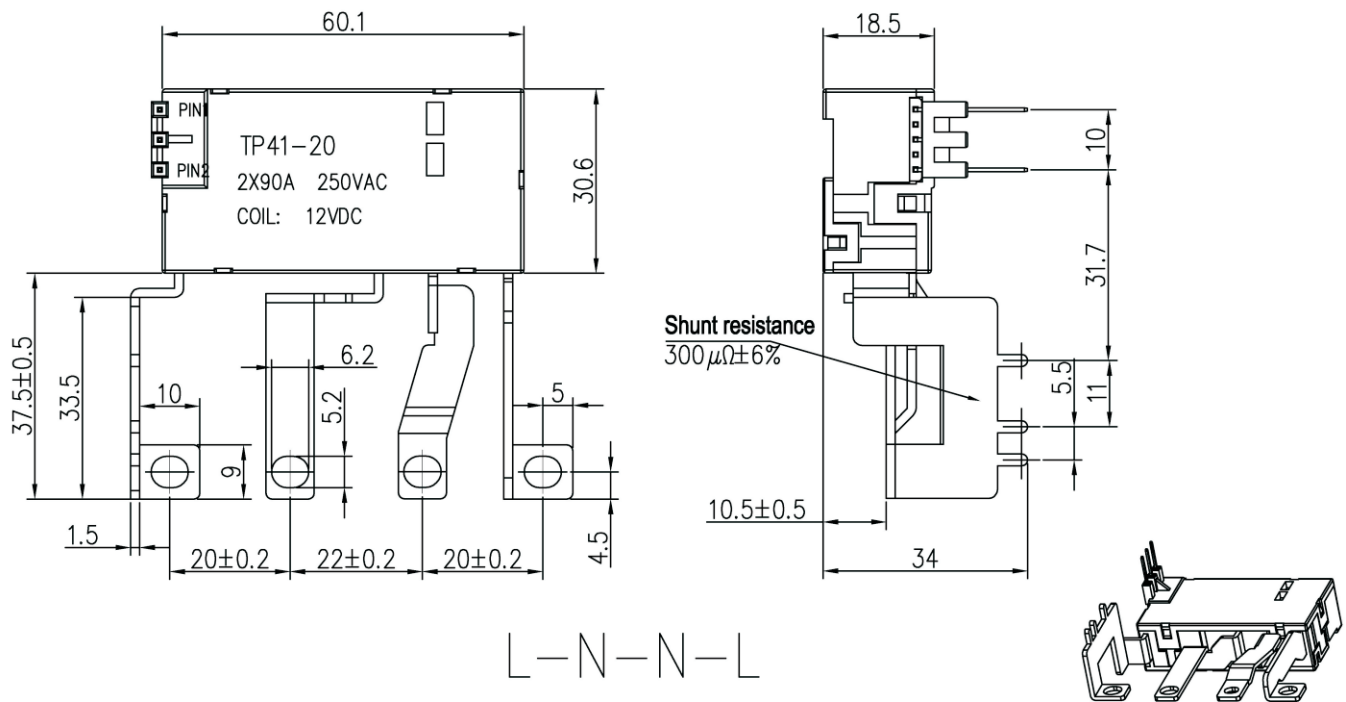
Nominal voltage (VDC)	Operating voltage range MAX. (VDC)	Coil resistance (± 10%)/ (Ohm)
Single Winding		
6	4.8	14.4
9	7.2	32.4
12	9.6	57.6
24	19.2	230.4
48	38.4	921.6
Double Winding		
6	4.8	7.2+7.2
9	7.2	16.2+16.2
12	9.6	28.8+28.8
24	19.2	150.2+150.2
48	38.4	460.8+460.8

NOTE: Others nominal voltage required, special ordering allowed.

## ► Characteristics

Insulation Resistance:		1000MΩ
Dielectric strength	Between Contact and Coil	4000V 1Min.
	Between Open Contact	1800V 1Min.
Creepage Distance:		8 mm
Shock Ristance:		147m/s <sup>2</sup>
Vabration Resistance:		10HZ-55HZ amplitude 1.5mm
Ambient Temperature:		-40℃...+85℃
Weight:		APPROX.110g
Contruccion:		Dust protection

## Outline dimensions and circuit diagram



Remark: The tolerance didn't mark on drawings. When dimension is  $\leq 1\text{mm}$ , the tolerance should be less than  $\pm 0.2\text{mm}$ ; when dimension is between 1-5mm, the tolerance should be less than  $\pm 0.3\text{mm}$ ; When dimension is  $\geq 5\text{mm}$ , the tolerance should be less than  $\pm 0.5\text{mm}$ .

### Note:

1. The default status of the relay contact is closed (R set), it may change to "open" due to transit or relay mounting, please check the contact status when using, and reset the relay contact status on request if necessary.
2. In order to make sure the contact "open" or "closed" status, the excitation voltage should reach to rated voltage, but the excitation time should not over 1 minute. For double coil relay, do not apply the voltage to both coils at the same time.
3. The terminals relay without twisted copper cable can not be tin soldered, can not be wrenched too.
4. Please do not use the relay which has been tested for electrical endurance testing.