

Specification

1. Range of application

It is confirm to the general requirements of the house-hold appliance and interior use for the power cords.

2. Standard

This standard is checked according to the standards (plug and socket for household and similar use) and VDE (rated voltage 250V and below PVC cable).

3. Structure

3.1 Appearance quality: plastic parts surface should be smooth, no bubbles, no cracks, avoiding deformation and other defects. Bolt surface is smooth, flat, no burr.

3.2 cable part:

3.2.1 specification: H05VV-F 3G0.75mm²X1.8M

3.2.2 Environmental protection, environmental protection rubber material of copper wire

3.2.3 specification: see table as follows:

Standard cross section size mm ²	Wire numbers/single diameter mm	Insulation standard thickness mm	Jacket standard thickness mm	Cable outlet	20°C the conductors' direct current resistance <= (Ω /KM)
0.75mm ²	24/0.2	0.6	0.8	Ø6.4mm±0.2	26.0

The average thickness of the conductors should be not smaller than 90% of the standard requirements. The number of the thinnest point

should not smaller than the 80% of the standard requirements.

4. performance requirements

4.1 plug: The technical requirements to meet the prescribed standards

See sheet 1

4.2 cable: Physical and mechanical performance shall be in accordance with the provisions of the standard

See sheet 2

Performance

Sheet 1 plug

No	Testing items	Standard requirement
1	Plug structure	Conform to the sample
2	Plug quality	Plastic surface should be smooth, no bubbles, lacking of material, deformation and other defects. Bolt surface is smooth, flat, bright coating.
3	Conductor resistance	The plug shall be of sufficient insulation resistance and the strength of the current is measured in the following parts, insulation resistance should not be less than 5M. A. in all the connections between the electrode and the body; B. in turn at each pole and connected to the body all the other extreme; used to measure DC voltage is about 500V of the insulation resistance, the applied voltage 1min.

4	Electric strength	Between the provisions of the A. and B. components, voltage 1min, applied 2000V~ 50H Z basic sinusoidal waveform during the test, no breakdown or flashover phenomenon. If the test voltage is increased to 2500V, the test time can be shortened to 1~2 S.
5	Power-on test	Plug the power line after the test should not be: 1. break; 2. Short circuit between a phase line, neutral line;

Sheet 2 cable

No.	Testing items		requirements
			0.75mm ²
1	structure	Color of wire	blue、 brown yellow-green
		size	Ø6.4mm±0.2
	High-voltage insulation test	Cable voltage test	2000V 15min
2	conductor	Conductor no	24/0.2
3	Insulation thickness	Average resistance Ω /KM	≤26.0
		Average thickness	0.6mm
		The thinnest thickness	0.44mm
4	Jacket thickness	Average thickness	0.8mm
		The thinnest thickness	0.58mm

1800mm ± 50

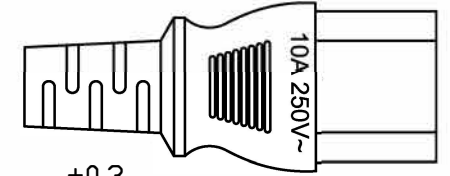
14 ± 0.5

19 ± 0.5

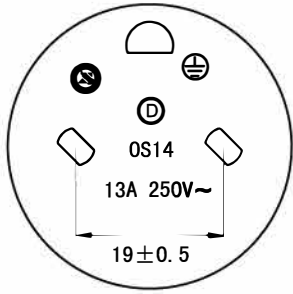
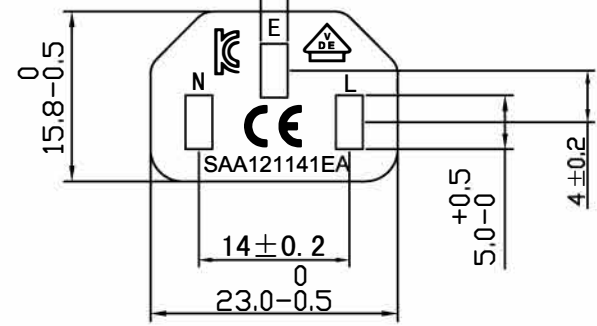
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2

3



2.5^{+0.3}₋₀



PE120418		File name	Date
		2023/02/08	
1	PLUG OS14		
2	Cable H05VV-F 3G0.75mm ² X1.8M		
3	PLUG ST3		
COLOR:Black		ROHS	