



SPECIFICATION

PN : 14200001

DESCRIPTION : BoostPower AC power cord with C13
output plug 1.5m BC

SPECIFICATION: H05VV-F 3G0.75mm² 1.5M

SPECIFICATION OF 14200001 POWER CORD

1. Usage area

This specification applies to power cord with JY-17/QT3 plug accords with the technology of 16A 250V AC home appliance and power cord with plug in similar usage in SI 32

2 Standard

This standard applies to SI 32and DIN EN 50525and EN 60320

3 Structure

3.1 Plug

- i. model : power cord with JY-17/QT3 plug
- ii. material : PVC, Copper sheet
- iii. specification : 16A,250V
- iv. size : look at drawing
- v. mark : look at drawing
 1. mark of plug : look at drawing
 2. mark of cable: VDE
- vi. appearance and quality: the appearance of plastic should be glabrous, no air bubble, no obvious crack, lack of material, distortion and so on.The bolt is glabrous,straight,without burrs.
- vii. Structure: plug with cable not dismantled. Bolt is steady, it can't go around and around.

3.2 cable

- 3.2.1 model : 3G0.75mm²
- 3.2.2 material : PVC, brass wire
- 3.2.3 specification : the following form

Sectional Area(mm ²)	Numeber of conductor pins& diameter	The thickness of Insulation layer (mm)	The thickness of jacket (mm)	External diameter		The resistance at 20℃ (Ω/km)
				The biggest	The smallest	
0.75	42/0.15 ± 0.007mm	0.6	0.8	7.6	6.0	Less than 26.0

The average thickness of insulation is not less than 90% of marked number, its thinnest point is not less than 85% of marked number.

4. Performance requirement

- 4.1 Cable connected with plug: Technology agrees with DIN VDE 0620 and EN60320 standard

rule. Form 1 for reference.

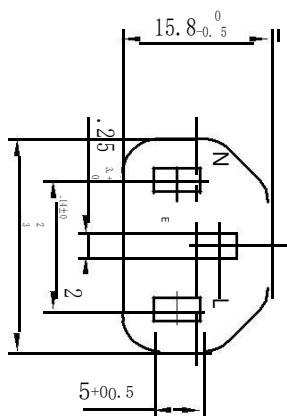
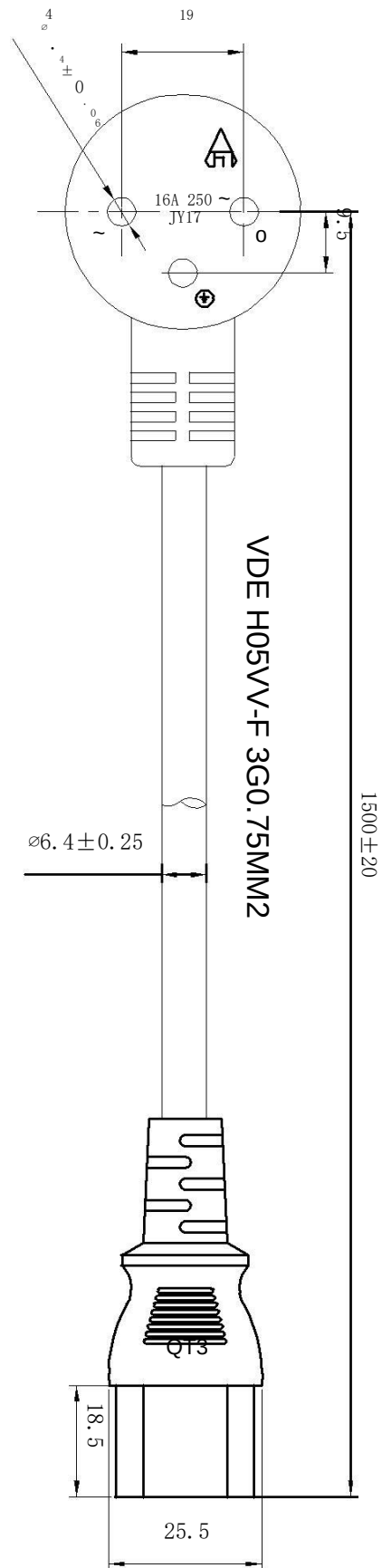
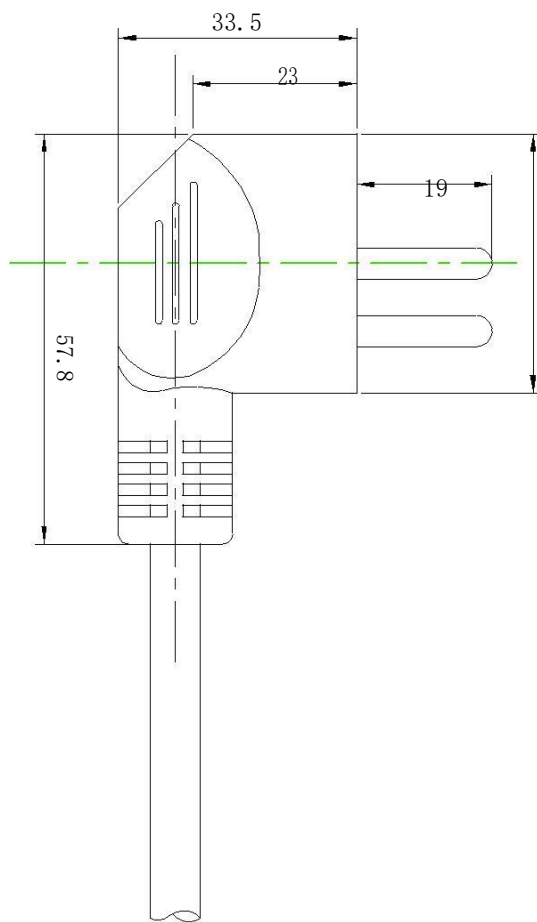
4.2 Cable's performance: mechanical and physical performance should agree with EN 50525 standard rule.

Form 1 **Plug**

number	Inspection items	Requirement for standard
1	Structure & size of plug	Agree with the attached drawing
2	Appearance & quality of plug	Appearance of plastic should be glossy, no air bubble, no obvious crack, lack of material, distortion and so on.
3	Insulation resistance	Plug should have enough insulation resistance and electricity intensity, and it should be tested among the following parts one by one. Insulation resistance should be not less than 5MΩ. a. among all the polarities and phenomena connected b. between each polarity with other polarities connected with phenomenon ; insulation resistance is tested by AC 500V after voltage operates for 1 minute.
4	Electric intensity	Use 1250V~50HZ voltage with positive rotation between parts that a and b ask for for 5 minute. During the test, there shouldn't appear puncture and flashover. If the voltage is improved to 1500V, the experiment time can reduce to 1~2s.
5	Electrical experiment	After the electricity experiment, the wire connected with plug shouldn't appear the following conditions : 1. wire is broken 2. there appear short circuit between live line and neutral line.

Form 2 Cable

Number	Inspection items		Standard requirement
			3*0.75mm²
1	structure	Number of wire	3 pins
		The color of Insulation wire	Blue,brown,green/yellow
		Size of cable' Outside	$6.4 \pm 0.25\text{mm}$
2	Experient on bearing voltage	Voltage experiment on wire	2000V 5Min
3	Conductor	number	$42/0.15 \pm 0.007\text{mm}$
		Resistance(Ω/km)	Less than 26.0
4	Thickness of insulation	Average thickness	0.6mm
5	Thickness of jacket	Average thickness	0.8mm



JY11/Ø13
(16A)