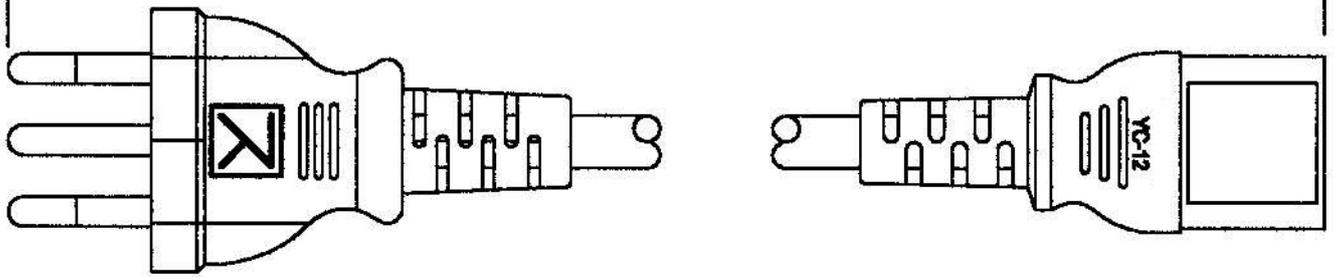
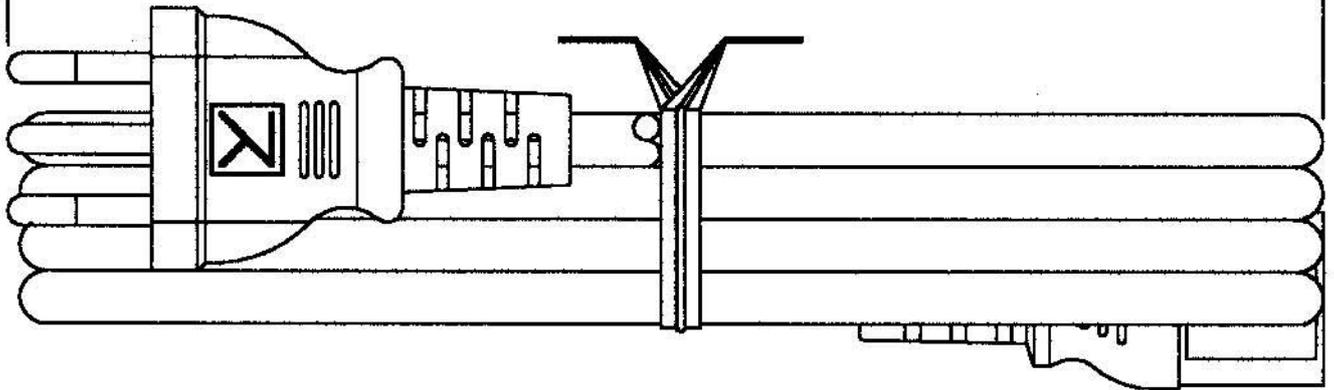


1830±50



200±20



Suitable Flexible Cord:

H05VV-F  
3G x 0.75mm<sup>2</sup>

H05VV-F  
3G x 1.00mm<sup>2</sup>

Tolerance:

>0± 0.3  
>1± 0.5  
>10± 1  
>20± 2

Angle:

± 1

Approved:

Checked:

Engineer:

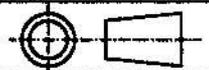
Drawn:

Date: June 06, 00

**EFB**  
ELEKTRONIK

Description: EK538.1,8

Material: P.V.C.



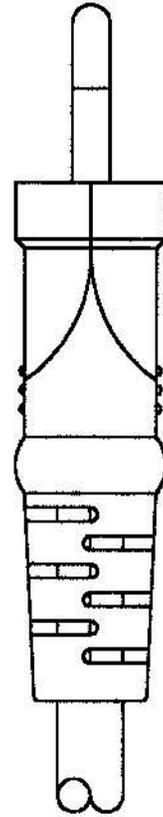
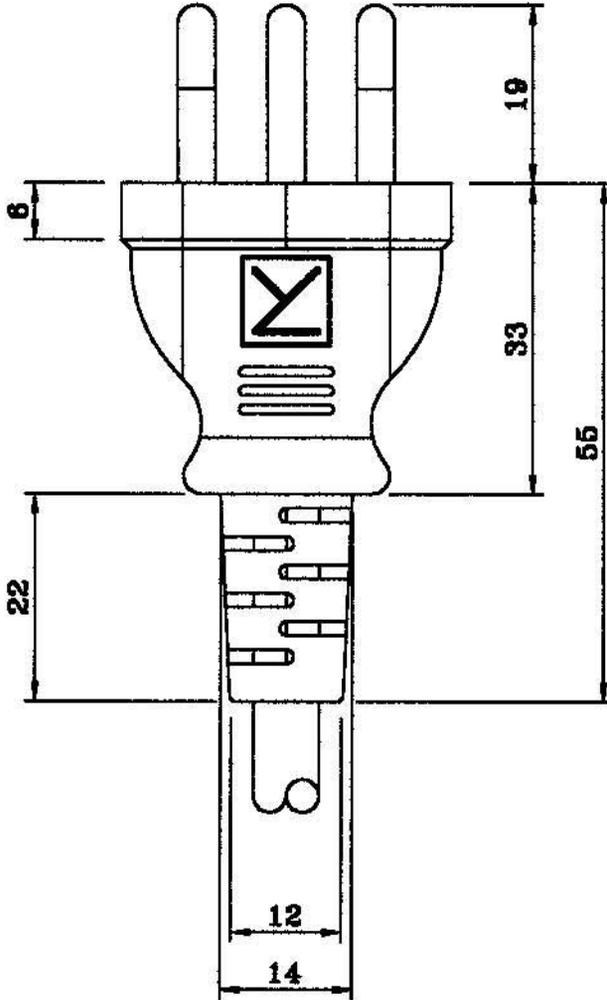
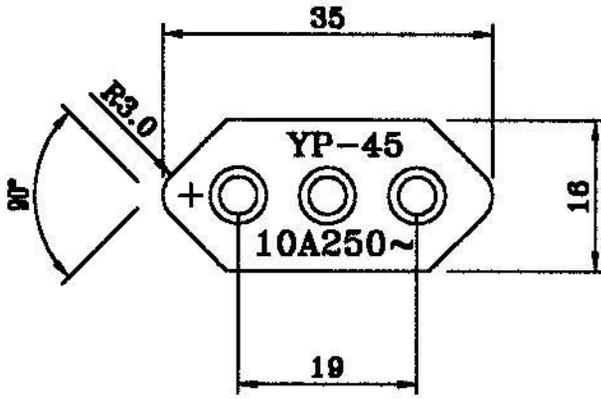
Scale: x1

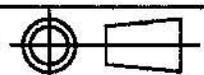
Unit: mm

Specification Use Only

Drawing No.:





<b>Suitable Flexible Cord:</b>  H05VV-F 0.75mm <sup>2</sup> /3G  H05VV-F 1.00mm <sup>2</sup> /3G	<b>Tolerance:</b> >0± 0.3 >1± 0.5 >10± 1 >20± 2  <b>Angle:</b> ± 1	<b>Approved:</b>		
		<b>Checked:</b>		
		<b>Engineer:</b>	<b>Description:</b> EK538.1,8	
		<b>Drawn:</b>	<b>Material:</b> P.V.C.	
		<b>Date:</b> Aug 30, 96	<b>Scale:</b> x 1	<b>Unit:</b> mm
<b>Specification Use Only</b>			<b>Drawing No.:</b>	

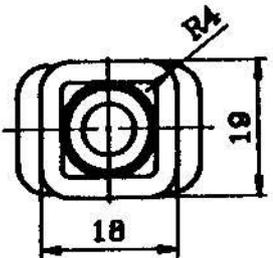
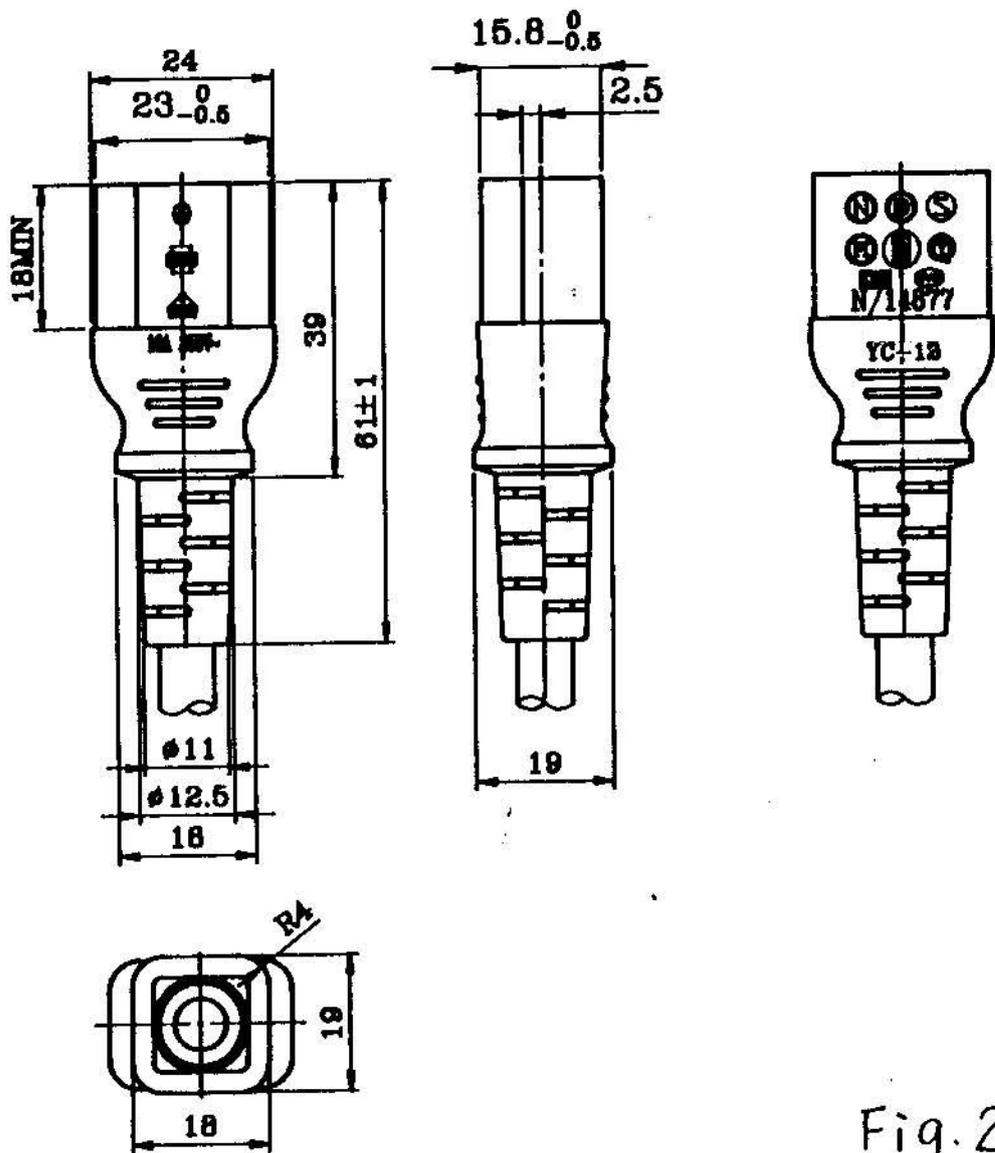
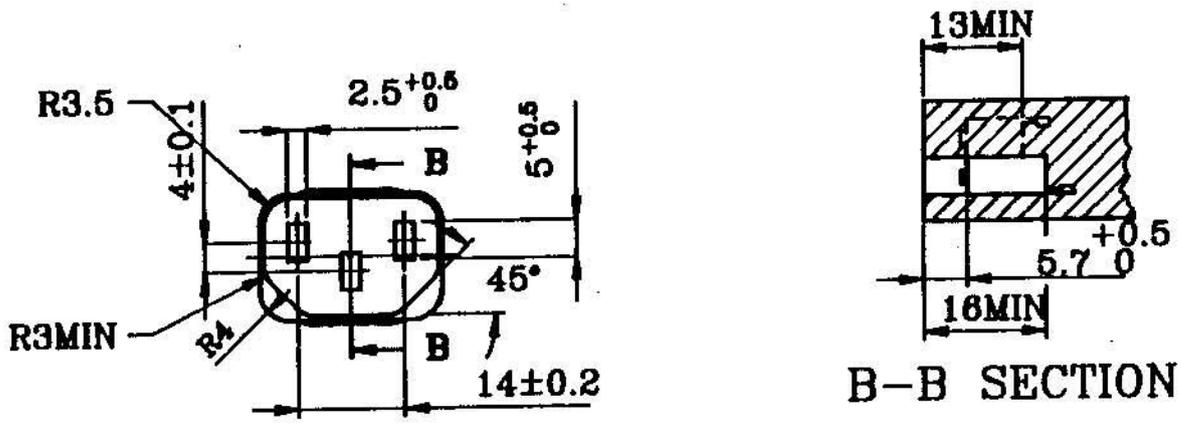


Fig. 2

<b>Suitable Flexible cord:</b> H05VV-F 3G 0.75MM <sup>2</sup>	<b>Tolerance:</b> >0 ± 0.3 >1 ± 0.5 >10 ± 1 >20 ± 2	<b>Approve:</b>  <b>Checked:</b>  <b>Engineer:</b>  <b>Drawn:</b>  <b>Date:</b> AUG, 24, '96			
	<b>Angle:</b> ± 1°	<b>Description:</b> EK538.1,8	<b>Material:</b> P.V.C		
	<b>Specification Use Only</b>	<b>Scale:</b> 1X	<b>Unit:</b> MM		
	<b>Dwg.No.:</b>	 	 		

# Specification

## 1. SCOPE

This specification is applied to POWER SUPPLY CORDS which are in compliance with the IMQ standards and approved by IMQ with approval numbers as follow:

Connector: 02A9600347, CB DE 4228

Plug: 029600348, 02A9700398

## 2. CONSTRUCTION

### 2-1 Plug:

Cat No. YP-45

Rating 10A250V

Approval No. 02A9600348, 029700398

Configuration and dimension as displayed in fig 1

### 2-2 Connector:

Cat No. YC-12

Rating 10A250V

Approval No. 02A9600347, CB DE 4228

Configuration and dimension as displayed in fig 2

### 2-3 Flexible cord

IMQ approved flexible cord Type H05VV-F, 0.75mm<sup>2</sup>, 3C. The detailed construction of the flexible cords are as listed on Table 1.

COPPER CONDUCTOR		PVC INSULATION		PVC JACKET	
Dia./No.	Nominal Area	Minimum Thickness	Average Thickness	Minimum Thickness	Average Thickness
0.18x30	0.75mm <sup>2</sup>	1.2mm	3.5x6.8	0.65mm	0.85mm

TABLE 1

a) Color of Insulation: Brown, Blue, Green/Yellow

b) Color of Jacket: Black

## 3. CHARACTERISTICS

### 3-1 Appearance:

There should not be any damages on the surface of the power supply cords.

### 3-2 Security of Blades

Each blade shall be capable of withstanding a pull of 20 lbf for 2 minutes without loosening.

### 3-3 Strain relief:

The assembly of the cord to the plug shall be capable of withstanding a straight pull of 30 lbf and should not break at the point where the cord enters the plug.

### 3-4 Dielectric Voltage – Withstand

Each power supply cord shall be capable of withstanding the application of the 1250V for a period of one minute without breakdown.

### 3-5 Insulation Resistance

The insulation resistance of the plug between the two blades or between the blade and the surface of the insulating material shall not less than 100 megaohms.

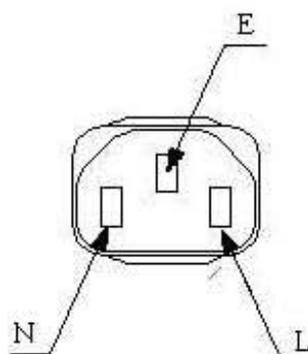
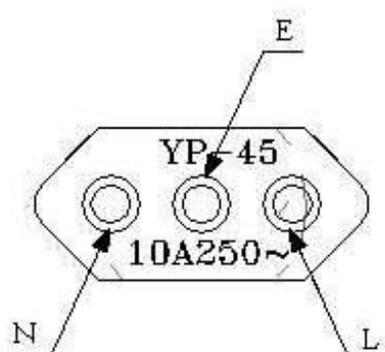
## 4. FORCES TO BE APPLIED ON THE CONNECTOR

Before testing, 10 times of insertion and withdrawal of the plug shall be completed.

Minimum force -10 N (1 kg) : The connector shall not come out.

Maximum force -50 N (5 kg) : The connector shall come out.

Type of Connector	(N) Withdrawal force	
	Maximum	Minimum
10 A Connector	50	10



# SPECIFICATION TABLE

STYLE	H05VV-F	DATE :	
SIZE	0.75mm <sup>2</sup> X 3C		
1. STANDARD: - 2. APPROVAL: ICE 227. 3. CONSTRUCTION:			
A. CONDUCTOR:			
MATERIAL	SCR BARE COPPER		
SIZE	0.75mm <sup>2</sup> x 3c		
CONSTRUCTION	0.2 x 24		
COND. DIAMETER	0.75mm <sup>2</sup>		
B. INSULATION			
MATERIAL	P.V.C.		
AVG. THICK	0.55mm MIN		
MIN. THICK	0.45mm MIN		
DIAMETER	2.10mm		
C. SHIELD			
ALUMINIUM FOIL MYLAR			
TINNED COPPER BRAID			
D. JACKET			
MATERIAL	P.V.C.		
AVG. THICK	0.85mm MIN		
MIN. THICK	0.65mm MIN		
DIAMETER			
COLOR	Black		

4. ELECTRICAL & PHYSICAL PROPERTIES :			
ITEM		H05VV-F, 0.75mm <sup>2</sup> x 3C	
RATING (TEMP VOLTAGE)		300/ 300 V	
CONDUCTOR RESISTANCE		MAX	
INSULATION RESISTANCE		MIN 5MΩ / 15.8°C	
SPARK TEST		6 kV/ 0.15 Sec. : no breakdown	
INSULATION	UNAGED	TENSILE STRENGTH	MIN. 1500 PSI
		ELONGATION	MIN. 100%
	AGED	TENSILE STRENGTH	MIN. 70%
		ELONGATION	MIN. 65%
JACKET	UNAGED	TENSILE STRENGTH	MIN.
		ELONGATION	MIN
	AGED	TENSILE STRENGTH	MIN
		ELONGATION	MIN
DEFORMATION TEST		MAX 50%	
COLD BEND		-20°C/ 4hr: no breakdown	
HEAT SHOCK TEST		121°C/ 1hr: no crack	
FLAME TEST		VW-1 PASS	
5. IDENTIFICATION :			