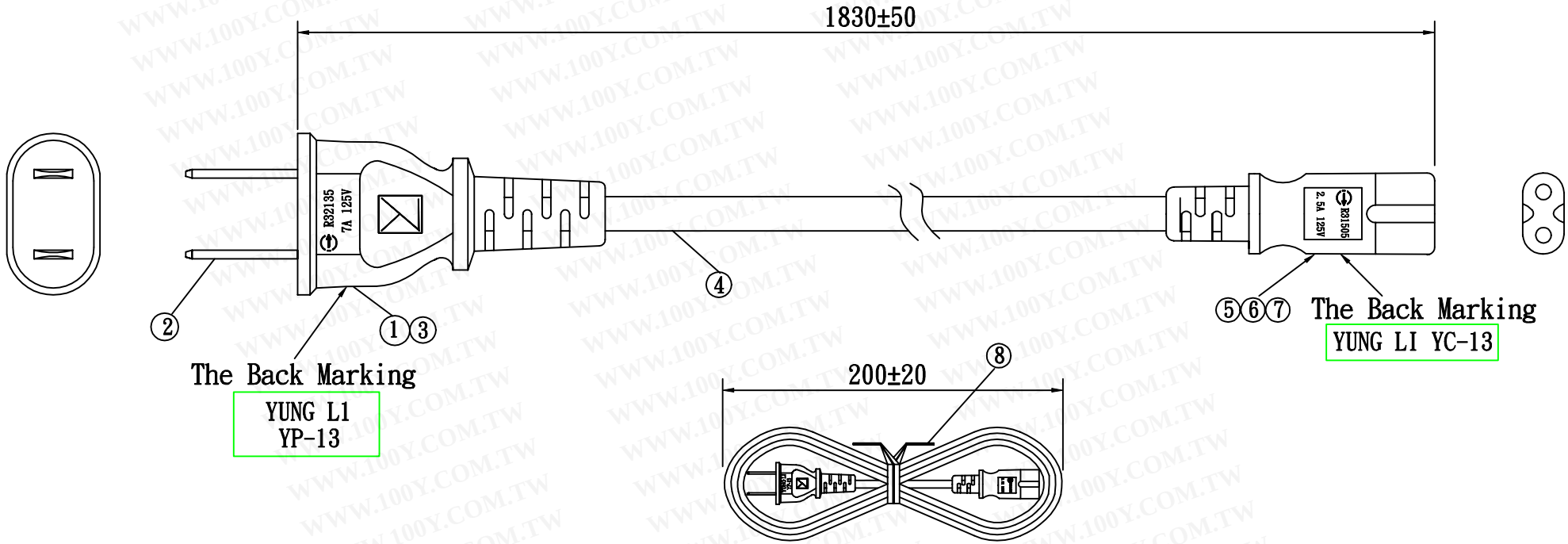


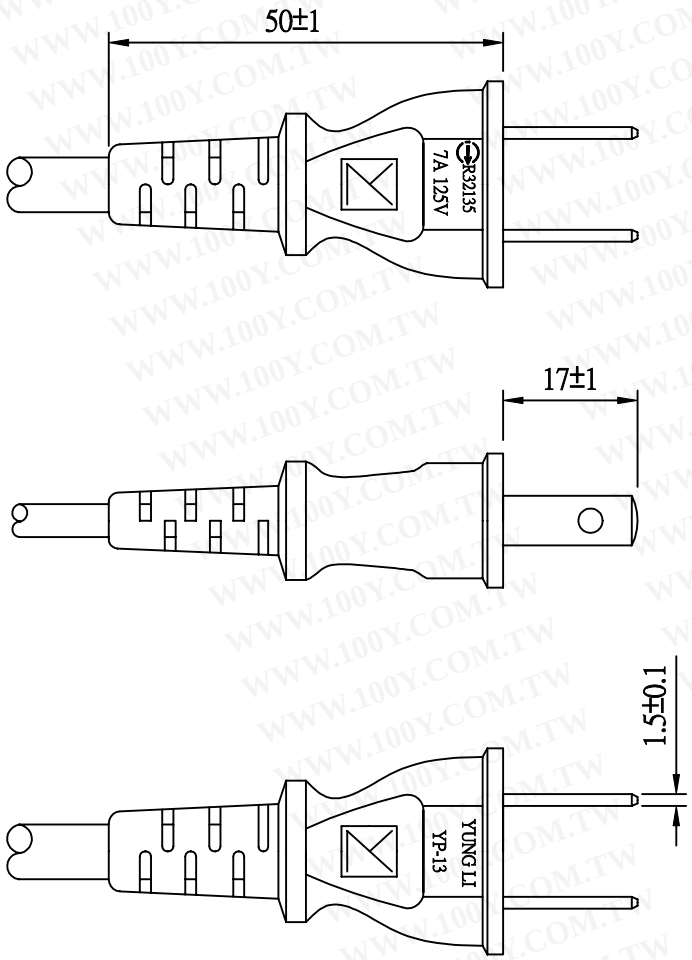
NO.	SPECIFICATION	Q'TY	REMARK
1	VCTFK 0.75/2C BLACK CNS	1PC	1810±20
2	YP-13 PVC PLASTIC:50P BLACK	15g/PC	R32135
3	YC-13 PVC PLASTIC:50P BLACK	9g/PC	R31505
4	TER:98675	2PCS	
5	YP-13 INNER BODY	1PC	
6	YC-13 H.S.G	1PC	
7	YC-13 TER	2PCS	
8	MINI TIE=130mm BLACK	1PC	

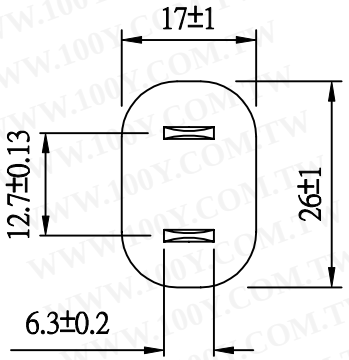
TOLERANCE
>0±0.30
>1.0±0.50
>10.0±1.0
>20.0±2.0
Angle:
±1°

APPROVED		DATE					
CHECKED		DATE					
DRAWN		DATE		CUSTOMER			
TYPE	YP-13/YC-13 CNS			P/N			
P/N				MATERIAL	P.V.C	UNIT	mm
DRAWING NO.		REV	B	SCALE	1:1		

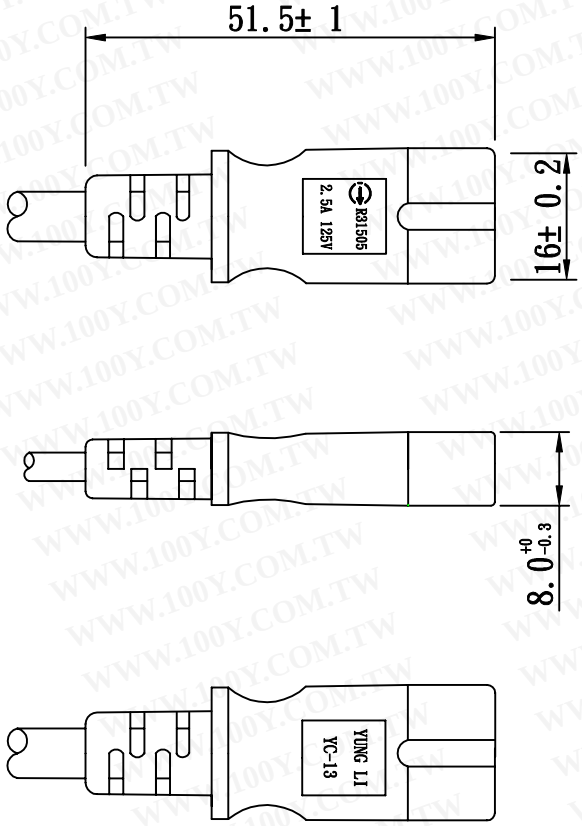
FILE NO. :

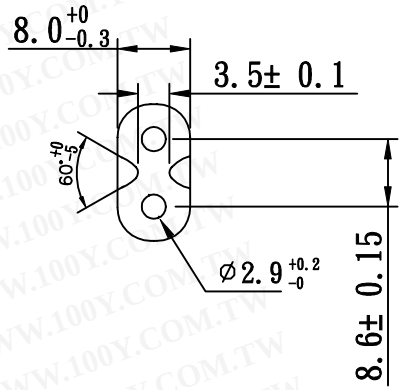
R32135
7A 125V





TOLERANCE >0± 0.30 >1.0± 0.50 >10.0± 1.0 >20.0± 2.0 Angle: ± 1°	APPROVED		DATE		YUNG LI CO.,LTD			
	CHECKED		DATE					
	DRAWN		DATE		CUSTOMER			
	TYPE	YP-13			P/N			
	P/N				MATERIAL	P.V.C	UNIT	mm
	DRAWING NO.		REV	B	SCALE	1:1		





TOLERANCE >0± 0.30 >1.0± 0.50 >10.0± 1.0 >20.0± 2.0 Angle: ± 1°	APPROVED		DATE		YUNG LI CO.,LTD
	CHECKED		DATE		
	DRAWN		DATE		
	TYPE	YC-13 CNS		P/N	
				MATERIAL	P.V.C UNIT mm
	DRAWING NO.			SCALE	1:1

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-13/YC-13	POWER SUPPLY CORD		1 of 5

1. SCOPE:

This specification is to POWER SUPPLY CORD which are in compliance with Taiwan CNS 10917-2.

2. Standard of applicable

		Type	Max. voltages	Max. current	Fill No.
2.1	plug	YP-13	125V	7A	R32135
2.2	connector	YC-13	125V	2.5A	R31505
2.2	cord	**VCTFK**	**2 x 0.75mm^2**		R41048

3. TEST CONDITION: This test and measurement, unless otherwise specified shall be carried out at a temperature of 15^{0}C to 35^{0}C, relative humidity of 25% to 85%, and atmospheric pressure of 86kpa to 106kpa.
However, when any doubt arises on the judgement value under it the test and measurement shall be carried out at a temperature of 20±2^{0}C, relative humidity of 60% to 70%, and atmospheric pressure of 86kpa to 106kpa.

4.ELECTRICAL PERFORMANCE

NO.	Item	Test condition	Requirement
4-1	Dielectric Withstanding Voltage test	(a) In this air (20±5^{0}C) AC2000V is applied between a conductor and other conductor for 1 second.(Cut off current 0.3 μA). (b) Immersed in water(20±5^{0}C) AC 1000V is applied between a conductor and other conductor for 1 minute	No breakage No breakage
4-2	Current and Polarized test		No problem with Conductor

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-13/YC-13	POWER SUPPLY CORD		2 of 5

4. ELECTRICAL PERFORMANCE

No.	ITEM	Test condition	Requirement
4-3	Insulation resistance test	In the air 20^0C~60^0C DC 500V	5MΩ MIN
4-4	Conductor resistance test	In the air 20^0C~60^0C	25.1Ω/ ㎞ MAX

5.MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
5-1	Tensile strength (initial sample)	insulation	15LBS/2min
5-2	Deformation test	Exposure to 120±3^{0}C atmosphere for 0.5H Weight 510g	The thickness of sample shall not decrease more than 50%
5-3	flame test	F –mark test	Specimen continues to flame no longer than 60sec after any application and no burning particle of drip shall fall from the sample.
5-4	Accelerated Aging test	Exposure to 75±2℃, atmosphere for 168 hours under natural ventilation.	No crack mucus mark wire exposure short and oppositive polarity.

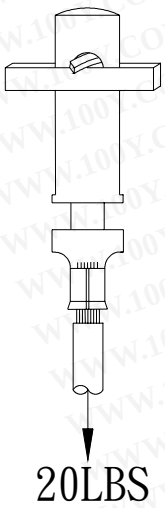
SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-13/YC-13	POWER SUPPLY CORD		3 of 5

5. MECHANICAL PERFORMANCE (CODE)

NO.	Item	Test condition	Requirement
5-5	Input & output Force to connector	It is tested after taking the action of 10time input & output.	Applied force is 1~6kg

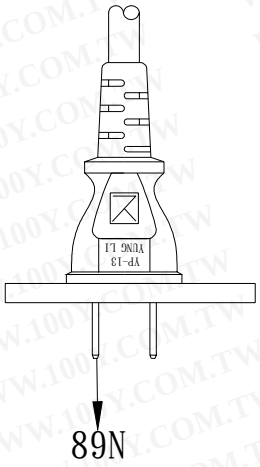
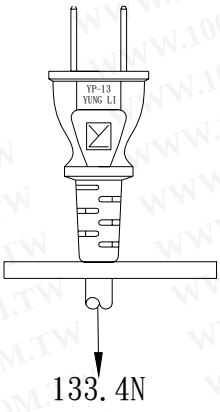
6. MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
6-1	Pulling out force of conductor	The connector between blade terminal and conductor shall not break under a pull force of 20lbs for 1minute 	Conductor can not fall down

SPECIFICATION

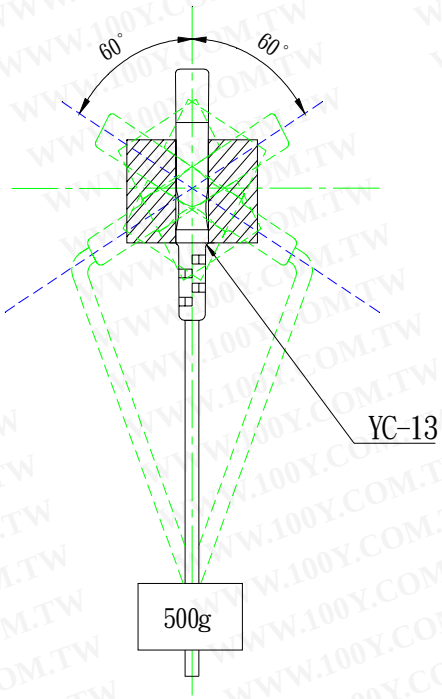
TYPE	DESCRIPTION	PART NO.	PAGE
YP-13/YC-13	POWER SUPPLY CORD		4 of 5

6.MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
6-2	Pulling out force of blades	The attachment plug is supported on a horizontal steel plate with the blades down ward through a hole sufficiently large just to permit the blades to pass through it a weight than exert 89N force for two minutes is to be supported by each blade in succession. 	The residual displacement of either blade must not more than 2.4mm after 2 minutes of load.
6-3	Pulling out force of cord	The joint in flexible cord is to be securely support-rated by a rigid flat mounted horizontally, a pull of 133.4N weight for one minute to the flexible cord 	No looseness

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-13/YC-13	POWER SUPPLY CORD		5 of 5

Item	Test condition	Requirement
Bending test	The power supply cord division is fixing and load of 500g is added to a tip of a cable. It is made to do 2000times bending on right and left each 60^0 (bending speed 40 times/minute) 	Breaking rate is under 30%

SPECIFICATION

Yung Li	Style	PVC FLEXIBLE CORDS	Document No
10/5/2005			
Edition	Size	**VCTFK 2 X 0.75mm^2**	Page
A			1/2

1. Standard: CNS 3199
2. Construction & Dimension

Item		Specification
Conductor	Size	2 X 0.75mm^2
	Material	Annealed Bare Copper
	Construction	30/ §0.180+0/0.015
Insulation	Material	PVC
	Minimum Average Thickness	0.54mm
	Minimum Thickness at any point	0.48mm
	Diameter	2.35 ± 0.1mm
	Identification	BLACK, WHITE
Core Assembly	Core Twist	2-Core
	Filler	NA
	Assembly Pair	NA
Taping	Mylar Foil	NA
Shielded	A1-Mylar Foil	NA
Drain	Material	NA
	Construction	NA
Jacket	Material	NA
	Minimum Average Thickness	0.9mm
	Minimum Thickness at any point	0.8mm
	Overall Diameter(Approx)	4.3 ± 0.1/6.6±0.2
	Color	Any Color

Marking:

YUNG LI VCTFK 2X0.75mm^2 R 31505 20XX -F-

SPECIFICATION

Issued Date	Style	PVC FLEXIBLE CORDS	Document No
2002/6/24			
Edition		**VCTFK 2 X 0.75mm^2**	Page
1.0	Size		2/2

4.Electrical & Physical Properties

Item			Specification
Rating Voltage			75℃ 300V
Insulation Resistance			5MΩ/Km 20℃ Min
Dielectric Strength			AC 1.0 KV/1min No Brcak
Spark Test			6KV
Insulation	Unaged	Tensile Strength	10Mpa Min 1.02kgf/mm^2
		Elongation	100% Min
	Aged	Tensile Strength	Min 85% (100℃x48hrs)
		Elongation	Min 80% (100℃x48hrs)
	Loss of mass Test		2.0mg/cm^2 (max)
Jacket	Unaged	Tensile Strength	NA
		Elongation	NA
	Aged	Tensile Strength	NA
		Elongation	NA
	Loss of mass Test		NA
Deformation Test			150mm, 120±3℃m X 1hr ≦ 50%
Cold Bend Test			-10℃ x 4hr No Crack
Heat Shock Test			120 ±3℃ x 1hr No Crack

Graph: