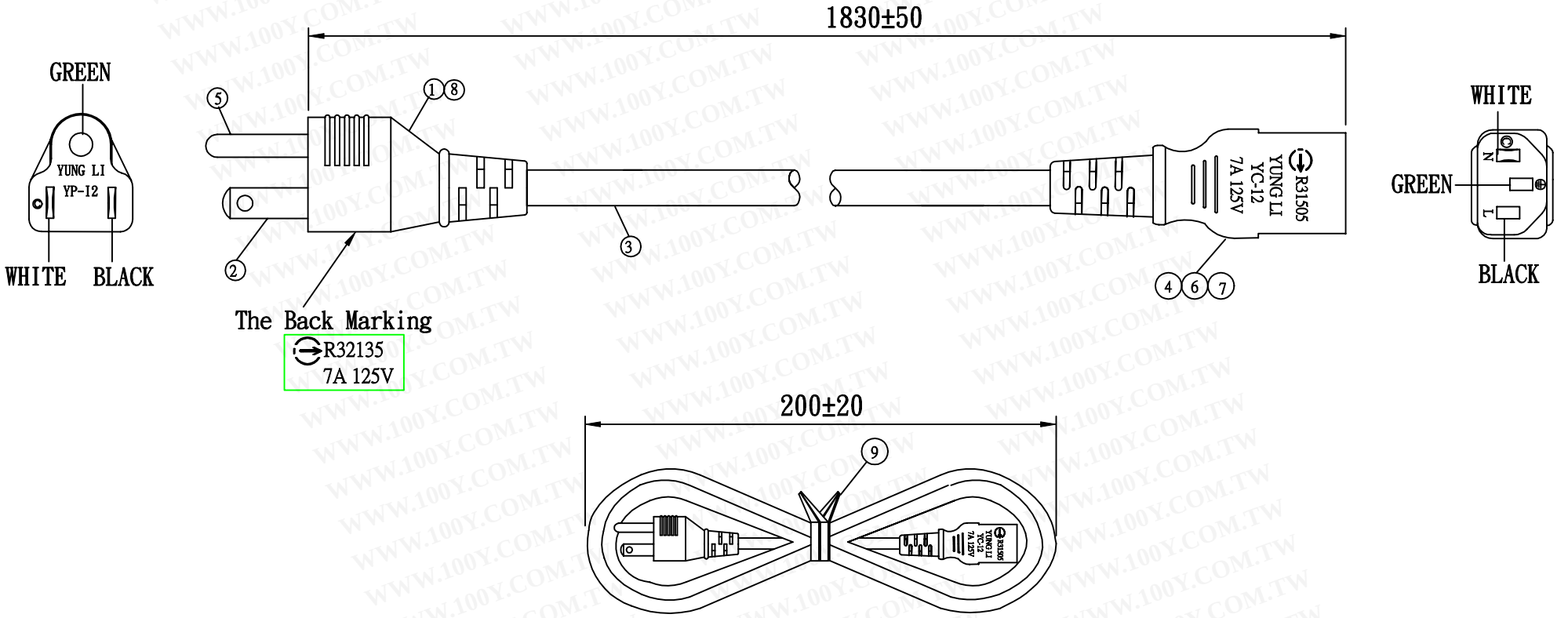
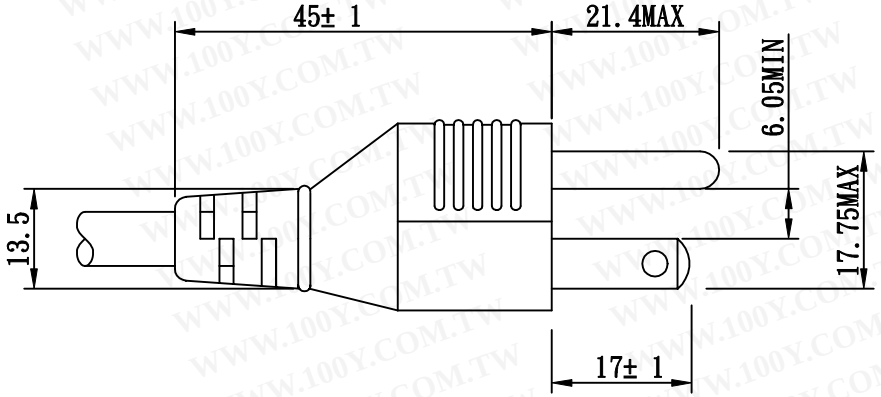


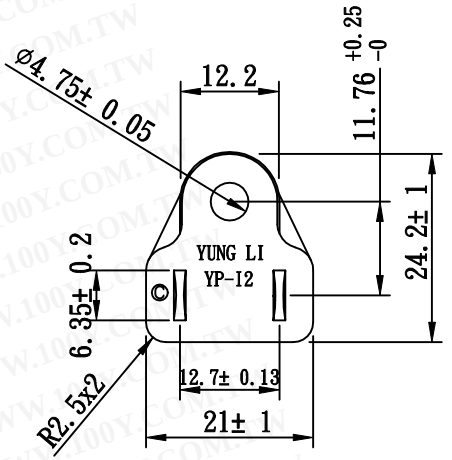
NO.	SPECIFICATION	O'TY	REMARK
1	YP-12 PVC PLASTIC:50P BLACK	19g/PC	R32135
2	TER:98675BS-1	2PCS	
3	VCTF 0.75/3C BLACK (CNS)	1PC	1810±20(YL)
4	YC-12 PVC PLASTIC:50P BLACK	18g/PC	R31505
5	TER:98475	1PC	
6	"U"BRONZE TER:97740PS-0	3PCS	
7	YC-12 INNER BODY	1PC	
8	YP-12 INNER BODY	1PC	
9	MINI TIE:L=130mm BLACK	1PC	

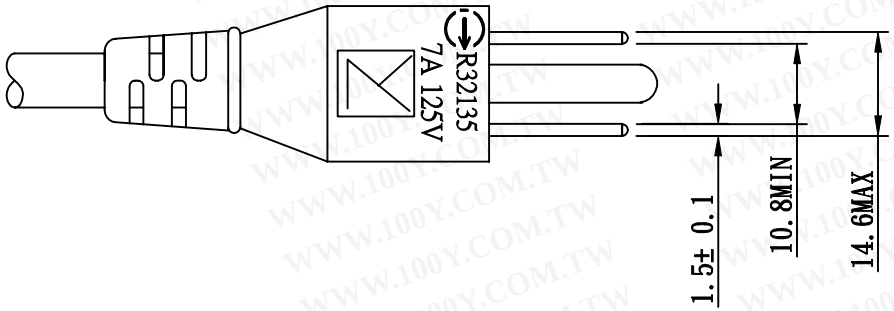
TOLERANCE
>0±0.30
>1.0±0.50
>10.0±1.0
>20.0±2.0
Angle:
±1°

APPROVED		DATE			
CHECKED		DATE			
DRAWN		DATE		CUSTOMER	
TYPE	YP-12/YC-12(CNS)			P/N	
P/N				MATERIAL	P.V.C
DRAWING NO.	CY-T0245	REV	B	SCALE	

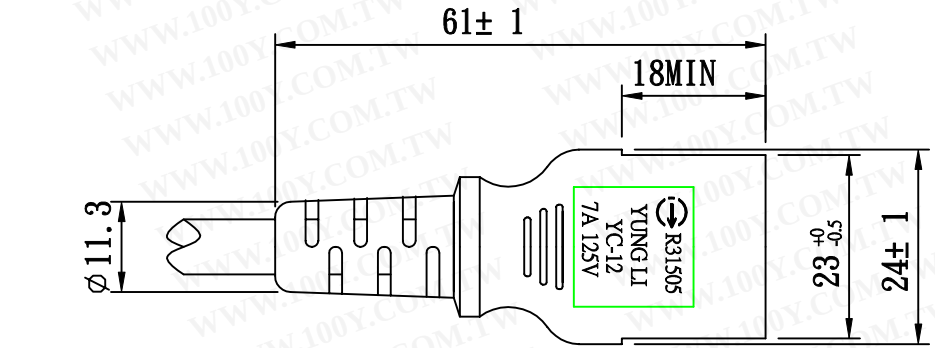
UNIT mm

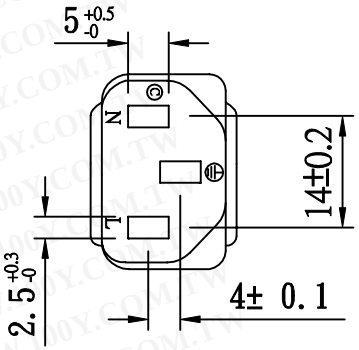


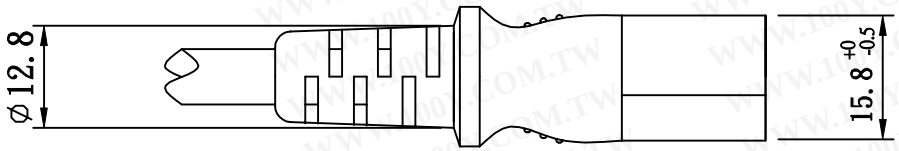


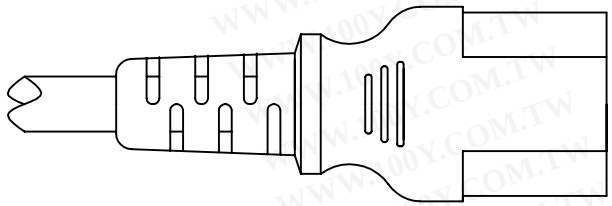


TOLERANCE >0± 0.30 >1.0± 0.50 >10.0± 1.0 >20.0± 2.0 Angle: ± 1°	APPROVED		DATE		YUNG LI CO., LTD.		
	CHECKED		DATE				
	DRAWN		DATE				
	TYPE	YP-12(CNS)			P/N		
					MATERIAL	P.V.C	UNIT mm
	DRAWING NO				SCALE	1:1	









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		CUSTOMER			
	TYPE	YC-12			P/N			
	P/N				MATERIAL	P.V.C	UNIT	mm
	DRAWING NO.		REV	B	SCALE	1:1		

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-12/YC-12	POWER SUPPLY CORD		1 of 5

1. SCOPE:
   This specification is to POWER SUPPLY CORD which are in compliance with
   Are in compliamce with Taiwan CNS 10917-2

2. Standard of applicable

		Type	Max. voltages	Max. current	File No.
2.1	plug	YP-12	125V	7A	R32135
2.2	connector	YC-12	125V	7A	R31505
2.3	cord	**VCTF**	**3 x 0.75mm^2**	**CNS**	

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 0.3mA). (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	L-L N-N E-E	No problem with Conductor

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-12/YC-12	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

4. 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	Accelerated Aging test	Exposure to 75±2℃, atmosphere for 168 hours under natural ventilation.	No crack mucus mark wire exposure short and oppositive polarity.

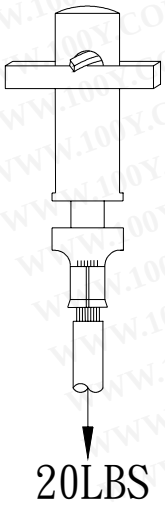
SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-12/YC-12	POWER SUPPLY CORD		3 of 5

5. MECHANICAL PERFORMANCE (CODE)

NO.	Item	Test condition	Requirement
5-4	Input & output Force to connector	It is tested after taking the action of 10time input & output.	Applied force is 1~6kg

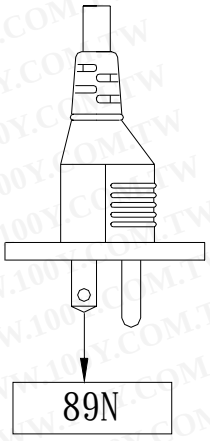
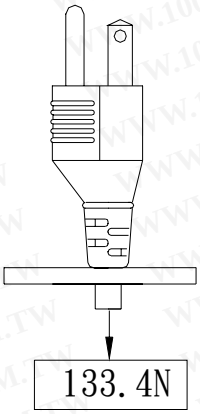
6. MECHANICAL PERFORMANCE

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-12/YC-12	POWER SUPPLY CORD		4 of 5

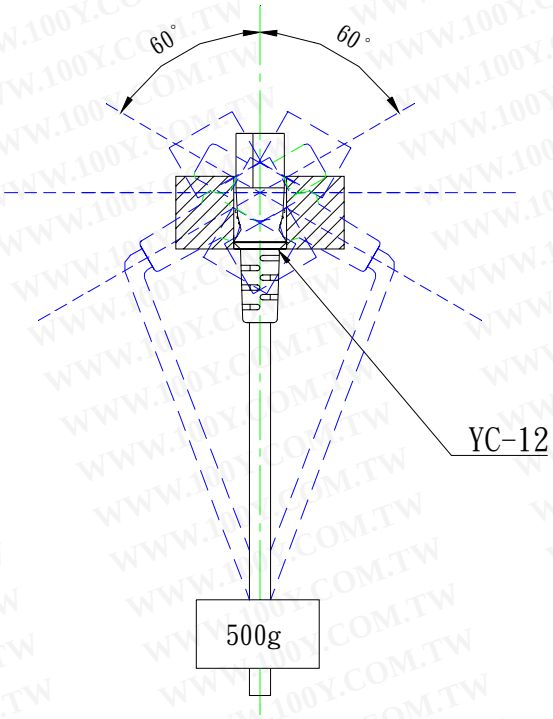
6.MECHANICAL PERFORMANCE

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-12/YC-12	POWER SUPPLY CORD		5 of 5

6.MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
6-4	Bending force	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	**CNS VCTF 3X 0.75mm^2**	Page
A			1/2

1. Standard: CNS
2. Application
2. Construction & Dimension

Item		Specification
Conductor	Size	3X 0.75mm^2
	Material	Annealed Bare Copper
	Construction	30/ §0.18mm±0.005
Insulation	Material	PVC
	Minimum Average Thickness	0.54mm
	Minimum Thickness at any point	0.48mm
	Diameter	2.35 ± 0.10mm
	Identification	Black, White, Green
Core Assembly	Core Twist	3-Core
	Filler	NA
	Assembly Pair	NA
Taping	Mylar Foil	NA
Shielded	A1-Mylar Foil	NA
Drain	Material	NA
	Construction	NA
Jacket	Material	PVC
	Minimum Average Thickness	0.9mm
	Minimum Thickness at any point	0.70mm
	Overall Diameter(Approx)	7.0 ± 0.2mm
	Color	Any Color

Marking:

YUNG LI VCTF 3X0.75mm^2 ⇄ R31505 20XX -F-

SPECIFICATION

Yung Li	Style	PVC FLEXIBLE CORDS	Document No
10/5/2005			
Edition	Size	**CNS VCTF 3X0.75mm^2**	Page
A			2/2

4.Electrical & Physical Properties			
Item			Specification
Rating Voltage			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	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)
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:

SGS

Test Report

No. 2039138/EC Date : Oct 19 2005

YUNG-LI CO., LTD.
1F., NO.10, LANE235, PAO-CHIAO RD.,
HSIN-TIEN 231, TAIPEI., TAIWAN./
DA PU INDUSTRIAL ZONE,
GANG ZI, CHANG PING TOWN,
DONG GUAN CITY,
GUANG DONG 523571, CHINA

Report on the submitted sample said to be AC/DC POWER CORD & PLUG ADAPTERS.

PLUG ADAPTERS				AC/DC POWER CORD				
YL-0312	YL-1214	YL-2121	YL-1223	YP-02	YP-45	YP-01	YP-05	YC-12G
YL-1212L	YL-1214L	YL-2121L	YL-0323	YP-03	YP-46	YP-02L	YC-10	YC-12A
YL-2112	YL-2214	YL-21K21	YL-21K23	YP-11	YP-47	YP-03L	YC-11	YC-12L
YL-2112L	YL-3114	YL-21K21L	YL-2623	YP-12	YP-48	YP-11W	YC-12	YC-13BL
YL-21K12	YL-3214	YL-3621	YL-3223	YP-12L	YP-49	YP-11C	YC-13	YC-13L
YL-2212	YL-3514	YL-3621L	YL-3523	YP-13	YP-50	YP-12A	YC-14	YC-13C
YL-2212L	YL-4514	YL-5621	YL-4523	YP-14	YP-52	YP-13L	YC-15	YC-13W
YL-3112	YL-4614	YL-6021	YL-4623	YP-15	YP-53	YP-13C	YC-16	YC-13A
YL-3412	YL-6014	YL-6021L	YL-4823	YP-16	YP-54	YP-13S	YC-17	YC-13B
YL-3512	YL-6014L	YL-8121	YL-6023	YP-17	YP-55	YP-13H	YC-18	YC-13E
YL-3512L	YL-0314	YL-4821	YL-8123	YP-18	YP-56	YP-13HP	YC-19	YC-13F
YL-4512	YL-21K14	YL-8035	YL-8023	YP-19	YP-57	YP-13M	YC-20	YC-13D
YL-4612	YL-8115	YL-6035	YL-915	YP-20	YP-58	YP-13P	YC-21	YC-14L
YL-6012	YL-4535	YL-2135	YL-312	YP-21	YP-59	YP-15G	YC-22	YC-14G
YL-0213	YL-0315	YL-0222	YL-916	YP-22	YP-60	YP-18L	YC-23	YD-05
YL-1113	YL-21K15	YL-1122	YL-223	YP-23	YP-60L	YP-21K	YC-25	YD-06
YL-1113L	YL-2215	YL-1122L	YL-315	YP-24	YP-61	YP-22K	YC-45	YD-07
YL-2113	YL-2215L	YL-21K22	YL-150	YP-25	YP-71	YP-23K	YC-46	YD-09
YL-2113L	YL-2615	YL-2622		YP-26	YP-72L	YP-24K	YC-52	YD-10
YL-21K13	YL-3215	YL-3522		YP-30	YP-73L	YP-24L	YC-53	YD-11
YL-3213	YL-3415	YL-3622		YP-31	YP-75L	YP-32L	YC-54	YD-12
YL-3413	YL-3515	YL-3622L		YP-32	YP76	YP-40	YC-55	YD-13
YL-3613	YL-4515	YL-8022		YP-33	YP80	YP-21R	YC-56	YD-14
YL-3613L	YL-4615	YL-6022		YP-34	YP81	YP-22R	YC-58	YD-15
YL-6013	YL-8015	YL-6022L		YP-35	YP90L	YP-23R	YC-59	YD-05
YL-6013L	YL-6015	YL-8122		YP-36	YP91L	YP-24R	YC-72	YCM-001
YL-8113	YL-6015L	YL-21K35		YP-37			YC-73	YCM-002
YL-6012L	YL-212	YL-921		YP-38			SR	YCM-003
				YP-39				YCM-004
				YP-42				YCM-005

SGS Job No.	:	1885717
SGS Ref. No.	:	SZTYR051034268/LP
Manufacturer	:	YUNG-LI CO., LTD
Country of Origin	:	CHINA
Sample Receiving Date	:	OCT 11 2005
Testing Period	:	OCT 11 - 16 2005

H12366519

Test Requested : With reference to RoHS Directive 2002/95/EC

1) To determine the Cadmium Content in the submitted sample.
2) To determine the Lead Content in the submitted sample.
3) To determine the Mercury Content in the submitted sample.
4) To determine the Hexavalent Chromium Content on the submitted sample.
5) To determine PBBs (polybrominated biphenyls) and PBDEs (Polybrominated diphenylethers) of the submitted sample.

Test Method : 1) With reference to BS EN 1122:2001, Method B, analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry (ICP-AES).

2) With reference to EPA Method 3050B/ 3051/ 3052.
Analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry (ICP-AES).

3) With reference to EPA Method 3051/ 3052.
Analysis was performed by Inductively Coupled Argon Plasma-Atomic Emission Spectrometry (ICP-AES).

4) With reference to EPA Method 3060A & 7196A.
The samples were alkaline digested by using EPA Method 3060A, and then analyzed by using Colorimetric method 7196A.

5) With reference to EPA Method 3540C/ 3550C. Analysis was performed by GC/MS or LC/ MS.

Test Results : 1-5) Please refer to next page.

Conclusion : When tested as specified, the submitted sample complies with the requirements of RoHS Directive Consultation document on 2002/95/EC.

Signed for and on behalf of
SGS Hong Kong Ltd

Ho Ka Ting, Family
Laboratory Executive

Test Results :

Test Item	1	2	3	Detection Limit	Limit of RoHS Consultant Document
1) Cadmium (Cd)	ND	ND	ND	2 ppm	100 ppm
2) Lead (Pb)	ND	ND	45 ppm	2 ppm	1000 ppm
3) Mercury (Hg)	ND	ND	ND	2 ppm	1000 ppm
4) Hexavalent Chromium (Cr^{6+})	ND	ND	ND	2 ppm	1000 ppm

Test Item	4	5	6	Detection Limit	Limit of RoHS Consultant Document
1) Cadmium (Cd)	ND	ND	ND	2 ppm	100 ppm
2) Lead (Pb)	6 ppm	7 ppm	ND	2 ppm	1000 ppm
3) Mercury (Hg)	ND	ND	ND	2 ppm	1000 ppm
4) Hexavalent Chromium (Cr^{6+})	ND	ND	ND	2 ppm	1000 ppm

(Results shown are of the total weight of samples)

Note : ppm = mg/kg
ND = Not Detected
Not detected is reported when the reading is less than detection limit value

Remark : The calculation for the reported results of composite samples is based on the minimum weight of the composite sample.

Test Result (Cont'd) :

5)

Flame Retardants	1	2	3	Detection Limit	Limit of RoHS Consultant Document
Polybrominated Biphenyls (PBBs)	ND	ND	ND	50 ppm	1000 ppm
Monobromobiphenyl	ND	ND	ND	5 ppm	--
Dibromobiphenyl	ND	ND	ND	5 ppm	--
Tribromobiphenyl	ND	ND	ND	5 ppm	--
Tetrabromobiphenyl	ND	ND	ND	5 ppm	--
Pentabromobiphenyl	ND	ND	ND	5 ppm	--
Hexabromobiphenyl	ND	ND	ND	5 ppm	--
Heptabromobiphenyl	ND	ND	ND	5 ppm	--
Octabromobiphenyl	ND	ND	ND	5 ppm	--
Nonabromobiphenyl	ND	ND	ND	5 ppm	--
Decabromobiphenyl	ND	ND	ND	5 ppm	--
Polybrominated Diphenylethers (PBDEs)	ND	ND	ND	50 ppm	1000 ppm
Monobromodiphenyl ether	ND	ND	ND	5 ppm	--
Dibromodiphenyl ether	ND	ND	ND	5 ppm	--
Tribromodiphenyl ether	ND	ND	ND	5 ppm	--
Tetrabromodiphenyl ether	ND	ND	ND	5 ppm	--
Pentabromodiphenyl ether	ND	ND	ND	5 ppm	--
Hexabromodiphenyl ether	ND	ND	ND	5 ppm	--
Heptabromodiphenyl ether	ND	ND	ND	5 ppm	--
Octabromodiphenyl ether	ND	ND	ND	5 ppm	--
Nonabromodiphenyl ether	ND	ND	ND	5 ppm	--
Decabromodiphenyl ether	ND	ND	ND	5 ppm	--

Note : ppm = mg/kg
ND = Not Detected
Not detected is reported when the reading is less than detection limit value.

Remark : The calculation on the reported results of composite samples is based on the total weight of the composite sample.

Test Result (Cont'd) :

5)

Flame Retardants	4	5	6	Detection Limit	Limit of RoHS Consultant Document
Polybrominated Biphenyls (PBBs)	ND	ND	ND	50 ppm	1000 ppm
Monobromobiphenyl	ND	ND	ND	5 ppm	--
Dibromobiphenyl	ND	ND	ND	5 ppm	--
Tribromobiphenyl	ND	ND	ND	5 ppm	--
Tetrabromobiphenyl	ND	ND	ND	5 ppm	--
Pentabromobiphenyl	ND	ND	ND	5 ppm	--
Hexabromobiphenyl	ND	ND	ND	5 ppm	--
Heptabromobiphenyl	ND	ND	ND	5 ppm	--
Octabromobiphenyl	ND	ND	ND	5 ppm	--
Nonabromobiphenyl	ND	ND	ND	5 ppm	--
Decabromobiphenyl	ND	ND	ND	5 ppm	--
Polybrominated Diphenylethers (PBDEs)	ND	ND	ND	50 ppm	1000 ppm
Monobromodiphenyl ether	ND	ND	ND	5 ppm	--
Dibromodiphenyl ether	ND	ND	ND	5 ppm	--
Tribromodiphenyl ether	ND	ND	ND	5 ppm	--
Tetrabromodiphenyl ether	ND	ND	ND	5 ppm	--
Pentabromodiphenyl ether	ND	ND	ND	5 ppm	--
Hexabromodiphenyl ether	ND	ND	ND	5 ppm	--
Heptabromodiphenyl ether	ND	ND	ND	5 ppm	--
Octabromodiphenyl ether	ND	ND	ND	5 ppm	--
Nonabromodiphenyl ether	ND	ND	ND	5 ppm	--
Decabromodiphenyl ether	ND	ND	ND	5 ppm	--

Note : ppm = mg/kg
ND = Not Detected
Not detected is reported when the reading is less than detection limit value.

Remark : The calculation on the reported results of composite samples is based on the total weight of the composite sample.

Sample Description :

1. Grey Plastic Pellet (PVC Overmold) + Black Plastic Pellet (PVC Overmold)
2. White Plastic w/ Grey Printing (Cable Jacket) + Black Plastic w/ White Printing (Cable Jacket)
3. White Plastic (Wire Insulation) + Blue Plastic (Wire Insulation)
4. Brown Plastic (Wire Insulation) + Black Plastic (Wire Insulation)
5. Green Plastic (Wire Insulation) + Yellow/ Green Plastic (Wire Insulation)
6. White Plastic (Inner Body) + Black Plastic (Inner Body)

Remark : The composite sampling method is based on the client's special request and is a modification from the testing standard.

*** End of Report ***

SGS Hong Kong Ltd. | 5/F - 8/F & 28/F - 29/F., Metropole Square, 2 On Yiu Street, Siu Lek Yuen, Shatin, N.T., Hong Kong. t (852) 2334 4481 f (852) 2764 3126 www.hk.sgs.com