

東莞永力電業有限公司

YUNG LI CO., LTD

**Da Pu Industrial Zone, Gang Zi, Changping Town,
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Description : YP-11/YC-13

Customer :

Parts No. :

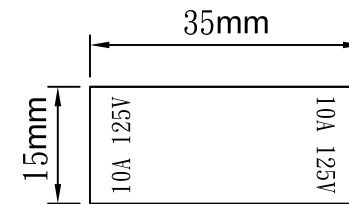
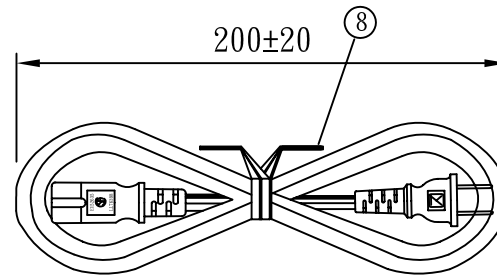
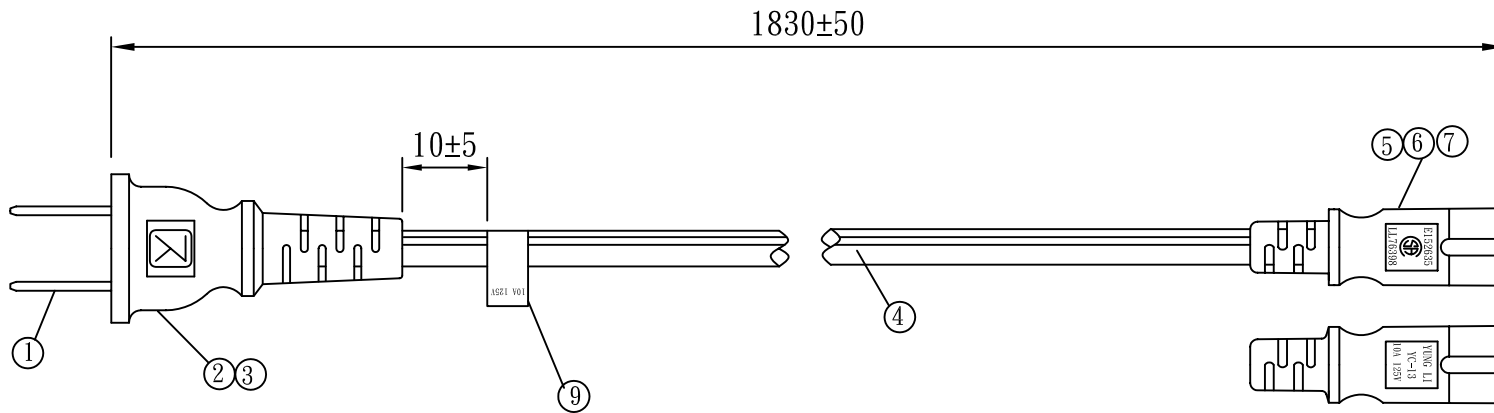
Draw No. : CY-U0003

REVISION RECORD

1		
2		
3		
4		
5		

YUNG LI	
CHECKED	PREPARED BY

CUSTOMER APPROVED

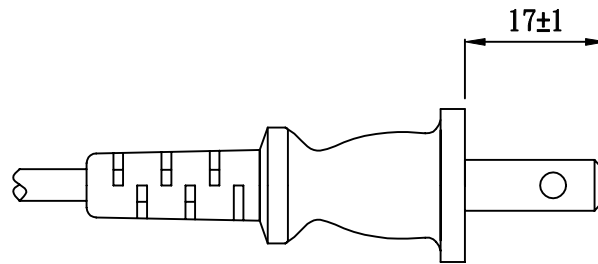
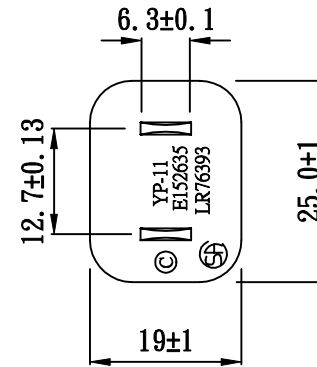
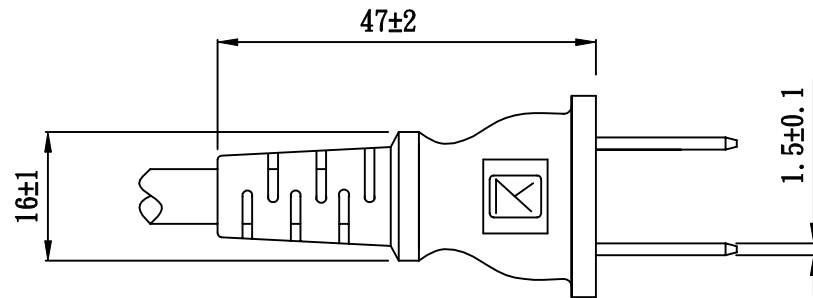


NO.	SPECIFICATION	Q' TY	REMARK
1	TER:98675BS-1/KDF 50T	2PCS	
2	YP-11 INNER BODY	1PC	
3	YP-11 PVC PLASTIC:35P BLACK	15g/PC	
4	SPT-2 18/2C 105°C BLACK	1PC	1810±15(YL)
5	YC-13 PVC PLASTIC:35P BLACK	9g/PC	
6	YC-13 H. S. G	1PC	
7	YC-13 TER	2PCS	
8	MINI TIE:L=110mm BLACK	1PC	
9	LABEL:35*15mm	1PC	

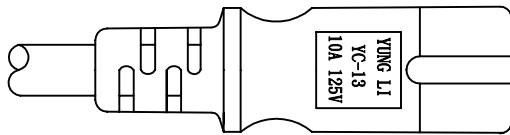
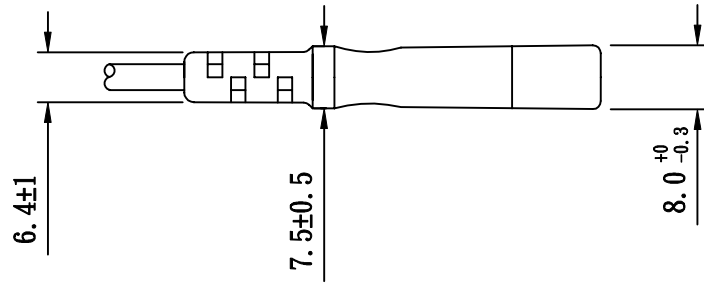
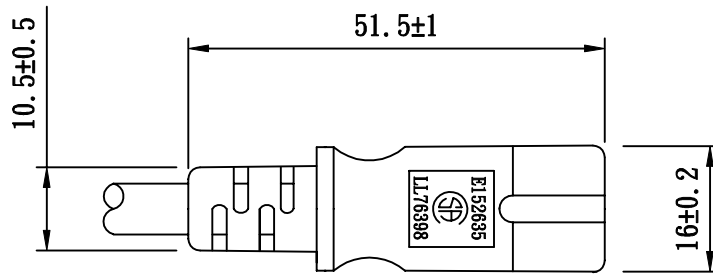
TOLERANCE >0±0.30 >1.0±0.50 >10.0±1.0 >20.0±2.0 Angle: ±1°	APPROVED	DATE		SPDS			
	CHECKED	DATE					
	DRAWN	DATE		CUSTOMER			
	TYPE	YP-11/YC-13		P/N	P-ZIP-06-EN		
	P/N			MATERIAL	P. V. C	UNIT	mm
	DRAWING NO.	CY-U0003	REV	B	SCALE		



FILE NO.
E152635
LR76393



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-11			P/N			
	P/N				MATERIAL	P. V. C	UNIT	mm
	DRAWING NO.			REV	B	SCALE	1:1	

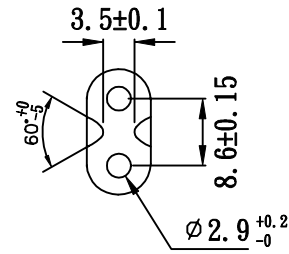


MARKING:

E152635



LL76398



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			P/N			
	DRAWING NO.	CY-C13U			MATERIAL	P. V. C	UNIT	mm
				SCALE	1:1			

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-11/YC-13	POWER SUPPLY CORD		1 of 5

1. SCOPE:

This specification applies to **POWER SUPPLY CORDS** which are in compliance with With **UL & CSA** standards and authorized by **UL & CSA** as following files.

UL E152635

**CORD SETS & POWER
SUPPLY CORDS**

CSA LR76393, LL76398

SPECIAL USE CORD SET

2. Standard of applicable	Type	Max. voltages	Max. current	Fill No.
2.1	plug	YP-11		E152635,LR76393
2.2	connector	YC-13	125V 10A	E152635,LL76398
2.3	cord	SPT-2 18/2C 105°C		

3. TEST CONDITION: This test and measurement, unless otherwise specified shall be carried out at a temperature of 15⁰C to 35⁰C, 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±2⁰C, 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 Polarity test		No problem with Conductor

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-11/YC-13	POWER SUPPLY CORD		2 of 5

4. ELECTRICAL PERFORMANCE

4.

No.	ITEM	Test condition	Requirement
4-3	Insulation resistance test	In the air 20 ⁰ C~60 ⁰ C DC 500V	5MΩ MIN
4-4	Conductor resistance test	In the air 20 ⁰ C~60 ⁰ C	25.1Ω/ km 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	Accelerated Aging test	Exposure to 75±2 ⁰ C, atmosphere for 168 hours under natural ventilation.	No crack mucus mark wire exposure short and opposite polarity.

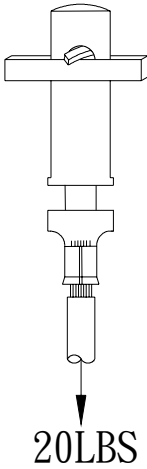
SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-11/YC-13	POWER SUPPLY CORD		3 of 5

5. MECHANICAL PERFORMANCE (CODE)

NO.	Item	Test condition	Requirement
5-4	Abrupt pull test	25 time abrupt pull test, turn around one circle. Test to the rating of 40A for 2mins.	No cord set break.
5-5	Input & output Force to connector	It is tested after taking the action of 10time input & output.	Applied force is 1~6kg

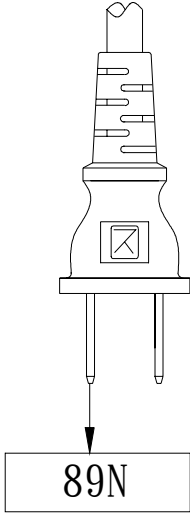
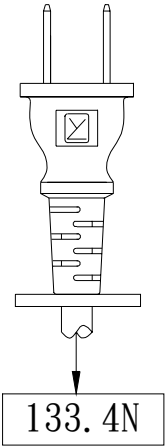
6. MECHANICAL PERFORMANCE

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 20 LBS for 1minute <div style="text-align: center;">  </div>	Conductor can not fall down

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-11/YC-13	POWER SUPPLY CORD		4 of 5

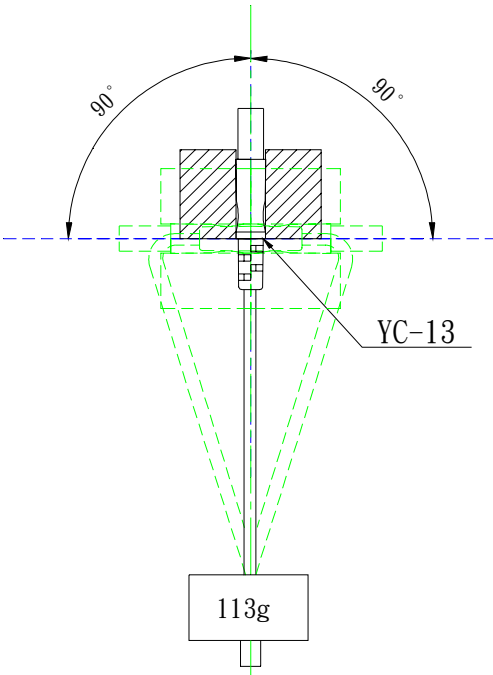
6.MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
6-2	Pulling out force of blades	<p>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.</p> <div style="text-align: center;">  </div>	<p>The residual displacement of either blade must not more than 2.4mm after 2 minutes of load.</p>
6-3	Pulling out force of cord	<p>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</p> <div style="text-align: center;">  </div>	<p>No looseness</p>

SPECIFICATION

TYPE	DESCRIPTION	PART NO.	PAGE
YP-11/YC-13	POWER SUPPLY CORD		5 of 5

6.MECHANICAL PERFORMANCE

NO.	Item	Test condition	Requirement
6-4	Bending force	<p>The power supply cord division is fixing and load of 113g is added to a tip of a cable. It is made to do 2500cycles bending on right and left each 90° (bending speed 10 cycles/minute)</p> <div style="text-align: center;">  </div>	Breaking rate is under 30%

YUNG LI CO., LTD

SPECIFICATION

Yung-Li	Style	PVC FLEXIBLE CORDS	Document No
2007.5.22			
Edition	Size	SPT-2 18/2C 105	Page
A			1/2

1. Standard : UL 62 UL 1581

2. Construction & Dimension

	Item	Specification
Conductor	Size	18AWG X 2C
	Material	Annealed Bare Copper
	Construction	41/ 0.16±0.002
Insulation	Material	PVC
	Minimum Average Thickness	1.14mm
	Minimum Thickness at any point	1.02mm
	Diameter	6.8±0.2/3.4±0.1mm
	Identification	NA
Core Assembly	Core Twist	NA
	Filler	NA
	Assembly Pair	NA
Taping	Mylar Foil	NA
Shielded	A1-Mylar Foil	NA
Drain Wire	Material	NA
	Construction	NA
Jacket	Material	NA
	Minimum Average Thickness	NA
	Minimum Thickness at any point	NA
	Overall Diameter(Approx)	NA
	Color	Any Color

Marking :

YUNG LI (UL) E241374 SPT-2 2/C 18AWG(0.824mm²) 105 300V VW-1
 CSA 177323 SPT-2 2/C 18AWG(0.824mm²) 105 300V FT2

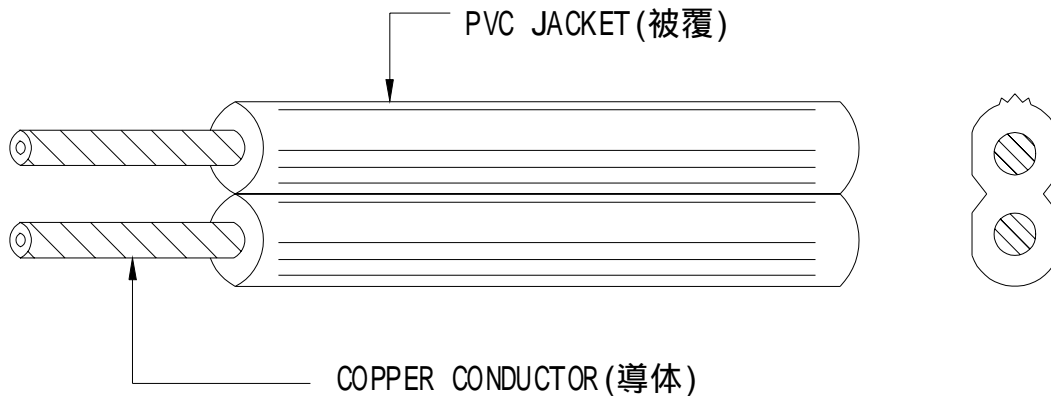
YUNG LI CO., LTD

SPECIFICATION

Yung-Li	Style	PVC FLEXIBLE CORDS	Document No
2007..5.22			
Edition	Size	SPT-2 18/2C 105	Page
A			2/2

3.Electrical & Physical Properties			
Item		Specification	
Rating Voltage		300V	
Insulation Resistance		0.76MΩ/Km 15.0 Min	
Dielectric Strength		AC 1.5 KV/1 min No Break	
Spark Test		6KV/0.15 sec	
Insulation	Unaged	Tensile Strength	1500psi Min
		Elongation	100% Min
	Aged	Tensile Strength	Min 85% (136±1 x 168hrs)
		Elongation	Min 65% (136±1 x 168hrs)
Jacket	Unaged	Tensile Strength	NA
		Elongation	NA
	Aged	Tensile Strength	NA
		Elongation	NA
Deformation Test		121±1 X 1hr 50%	
Cold Bend Test		-20 x 4hr No Crack	
Heat Shock Test		121±1 X 1hr No Crack	

Graph:





YUNG LI CO LTD
 MR W D LAI
 1ST FL
 10 LANE 235 PAO-CHIAO RD
 HSIN-TIEN
 TAIPEI HSIEN 231 TAIWAN

RE: Project Number(s) - 01NK92317

Your most recent Certification is shown below. You may also view this information, or a portion of this information (depending on the product category), on UL's Online Certifications Directory at www.ul.com/database. Please review the text and contact the Conformity Assessment Services staff member who handled your project if revisions are required. For instructions on placing an order for this information in a 3 x 5-inch format, you may refer to the enclosed order form for UL Card Service.

ELBZ7 December 14, 2001
Cord Sets And Power Supply Cords Certified For Canada

YUNG LI CO LTD
1ST FL 10 LANE 235 PAO-CHIAO RD HSIN-TIEN, TAIPEI HSIEN
231 TAIWAN

E152635

Cord Sets — Power Supply Cords.

Cat. No.	Plug Cap Config	Flexible Cord Size (AWG)	Cord Type	Amps/Volts A/(V)ac
YP-11	1-15	18	SPT-1, NISPT-1, SPT-2, NISPT-2, SVT	10/125
		16	SPT-2, NISPT-2, SVT	13/125
YP-11W	1-15P	18	SPT-1, NISPT-1, SPT-2, NISPT-2, SVT	10/125
		16	SPT-2, NISPT-2, SVT	13/125
YP-12	5-15	18	SPT-2, SVT, SVT Shielded	10/125
		16	SPT-2, SJT, SJT Shielded	13/125
		14	SJT	15/125
YP-12L	5-15	12	SJT	15/125
		18/3	SVT, SVT Shielded, SJT, SPT-2	10/125
		16/3	SJT, SPT-2	13/125
YP-16	6-20	14/3	SJT	15/125
		14/3	SJT	18/250
		12/3	SJT	20/250
YP-17	5-20	14/3	SJT	18/125
		12/3	SJT	20/125
YP-18	5-15	18/3	SJT	10/125
YP-19	6-15	14/3	SJT	15/250
		12/3	SJT	15/250
YP-32	IEC C14	18	SVT, SVT Shielded SJT, SJT Shielded	10/250

Cord Sets — Special Use Cord Sets.

Underwriters Laboratories Inc.®

Cat. No.	Cord Connector Configuration	Cord Type	Flexible Cord Size (AWG)	Voltage Rating V (ac)
YC-12	IEC C14	SJT, SJT Shielded	16	125/250
YC-12L	IEC C14	SJT	18	125/250
YC-12L	IEC C14	SVT, SVT Shielded	16	125/250
YC-13	IEC C7	SJT, SJT Shielded	18	125
YC-13W	IEC C7P	SJT	18	125
YC-14	IEC C5	SPT-1, SPT-2	18	125
YC-13L	IEC C7	SPT-1, SPT-2	18	125

Cord Sets — General Use.

Cat. No.	Plug Cap Config	Flexible Cord Size (AWG)	Cord Type	Amps/Volts A/(V)ac
YC-15	5-15	16/3	SJT	13/125

LOOK FOR LISTING MARK ON PRODUCT

The company named below has been authorized by CSA to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings).

File No: 076393 0 000

Class No: 5842 02 CORD SETS Power Supply Cords

SUBMITTOR

4554507 Yung Li Company Ltd.
1F No 10 Lane 235 Pao Chiao Rd
Hsin Tien City
Taipei Hsien,
Taiwan

FACTORY

4554507 Yung Li Company Ltd.
1F No 10 Lane 235 Pao Chiao Rd
Hsin Tien City
Taipei Hsien,
Taiwan

October 11, 2001(Replaces:April 23, 2001)

IN COMPLIANCE WITH CSA STD. C22.2 NO 21-95:

- Power supply cords consisting of the following plug caps moulded on flexible cords as indicated:

Cat No Plug Caps	Config- uration	Rating of PSC			Flexible Cord
		Amp	Volts	AWG	Type
YP-11, -11W	1-15P	10	125	18	SPT-1 (I&N), SPT-2 (I&N), SVT, SJT
		13	125	16	SPT-2 (I&N), SVT
YP-12, YP-12L	5-15P	10	125	18	SJT,SVT, SVT(Sh), SPT-2
		13	125	16/3	SJT, SPT-2
		15	125	14/3	SJT
YP-12A	5-15P	15	125	14/3	ST

The company named below has been authorized by CSA to represent the products listed in this record as "CSA Certified" and to affix the CSA Mark to these products according to the terms and conditions of the CSA Service Agreement and applicable CSA program requirements (including additional Markings).

File No: 076398 0 000

Class No: 5841 03 CORD SETS Special-use Cord Sets

SUBMITTOR

4554507 Yung Li Company Ltd.
1F No 10 Lane 235 Pao Chiao Rd
Hsin Tien City
Taipei Hsien,
Taiwan

FACTORY

4554507 Yung Li Company Ltd.
1F No 10 Lane 235 Pao Chiao Rd
Hsin Tien City
Taipei Hsien,
Taiwan

June 4, 2002(Replaces:April 4, 2001)

TO THE REQUIREMENTS OF CSA STD C22.2 NO. 21-95:

- Special-use cord sets consisting of the following connector bodies moulded onto any of the submittor's Certified power supply cords indicated:

Connector Body		Plug Cap		Flexible Cord	
Cat No/Config.	Rating	Cat No	Config	AWG	Type
YC-12/C13	10A, 125V	YP-12	5-15P	18/3	SJT, SVT, SVT (Sh)
	13A, 125V	YP-12	5-15P	16/3	SJT
	15A, 125V	YP-12	5-15P	14/3	SJT
	10A, 125V	YP-32 (Sd)	C14		SJT, SVT, SVT (Sh)
YC-13(N), YC-13L(N) /C7	10A, 125V	YP-11(N)	1-15P	18/2	SPT-1 (I&N), SPT-2 (I&N)
YC-13W(P)/C7#	10A, 125V	YP-11W(P)	1-15P	18/2	SPT-1 (I&N), SPT-2 (I&N)
YC-14/C5	10A, 125V	YP-12	5-15P	18/3	SJT, SVT

LEGEND: "C5, C7, C13, C14" IEC 320 Type configurations; # Configuration modified for polarization feature; "(N)"non-polarized; "(Sd)" Shrouded; "(Sh)" Shielded; "(I&N)" Integral and Non-integral.

ZJCZ.E241374
Flexible Cord

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[Questions?](#)

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Flexible Cord

Guide Information

YUNG LI CO LTD
1ST FL
10 LANE 235 PAO-CHIAO RD
HSIN-TIEN
TAIPEI HSIEN 231, TAIWAN

E241374

Jacketed cords, Types SJT, SVT, ST.

Parallel cords, Type SPT-1, -2, -3, NISPT-1, -2.

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Certificate of Compliance

Certificate: 1594794 (LL 76398)

Master Contract: 177323

Project: 1594794

Date Issued: 2004/10/14

Issued to: Yung Li Company Ltd.

1F No 10 Lane 235 Pao Chiao Rd
Hsin Tien City
Taipei Hsien,
Taiwan
Attention: Mr. Rick Li

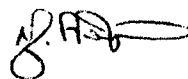
The products listed below are eligible to bear the CSA Mark shown



Issued by:


Bob Chippel, P. Eng.

Authorized by: Nick Alfano, Operations
Manager



PRODUCTS

CLASS 5831 01 - WIRES - Flexible Cord

Flexible cords, Types SPT-1, NISPT-1, SPT-2, NISPT-2, SVT, SJT, ST, with PVC insulation and jacket, rated 60C or 105C, FT1, FT2.

APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 49-98 - Flexible Cords and Cables



CSA INTERNATIONAL

Supplement to Certificate of Compliance

Certificate: 1594794

Master Contract: 177323

The products listed, including the latest revision described below, are eligible to be marked in accordance with the referenced Certificate.

Product Certification History

Project	Date	Description
1594794	2004/10/14	Original Certification: Flexible Cords SPT-1, -2, -3, NISPT-1, -2, SVT, SJT, ST