

SPECIFICATION

DATE: November 10, 2015

REVISION: 1.0

CUSTOMER: TECO

CUSTOMER P/N: 43-300-09

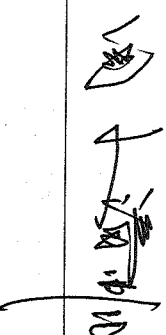
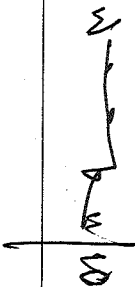
PART NAME: POWER SUPPLY CORD

PHP-301 TO PHS-301

PHINO P/N: P301-2165-1

無騎縫章無效

Invalid without Perforation Seal

ISSUED BY	REVIEWED BY	APPROVED BY
羅嘉威		

CUSTOMER APPROVED BY:

--



PHINO ELECTRIC (HUIZHOU)LTD.

NO.86,NORTH OF LIANFA RD,TONGQIAO INDUSTRY BASE,
ZHONGKAI HIGHTECH DISTRICT,HUIZHOU CITY,GUANGDONG,CHINA
TEL: 86-752-3199200 FAX: 86-752-3199215

PHINO ELECTRIC (HUIZHOU) LTD.

Catalog

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PHINO ELECTRIC (HUIZHOU) LTD.

SPECIFICATION

1. SCOPE:

THIS SPECIFICATION IS APPLIED TO DETACHABLE POWER SUPPLY CORD CONFORMING TO UL STANDARDS 817,498 AND POWER SUPPLY CORD CONFORMING TO CSA STANDARDS NO. 21-M90 NO.42-M1984.

2. CONTENTS:

TABLE 1.

FILE NO.

NO.	PART NAME	PART NO.	RATING	APPROVAL NO.
1	ATTACHMENT PLUG	PHP-301	125V 10A	UL E94216 CSA LR98902 & LR86263
2	FLEXIBLE CORD	SVT 18AWG×3C 105°C	300V	SEE THE FOLLOWING ITEMS
3	CONNECTOR BODY	PHS-301	125V 10A	UL E94216 CSA LL98901 & LL86264

3. CONSTRUCTION AND DIMENSIONS:

CONSTRUCTION AND DIMENSIONS WILL BE REFER TO THE ATTACHED DRAWING AND TABLE 2.

TABLE 2. FLEXIBLE CORD

CONDUCTOR		INSULATION		JACKET	
AWG/NO	CONSTRUCTION	AVE.THICKNESS	MM	AVE.THICKNESS	DIMENSION
18/3	PCS./MM	41/0.16	0.38	0.76	6.3±0.2

4. CROSS SECTION OF FLEXIBLE CORD AND MARKING IS REFER TO THE ATTACHED DRAWING.

PHINO ELECTRIC (HUZHOU) LTD

5. CHARACTERISTICS OF POWER SUPPLY CORD:

5.1 APPEARANCE:

IT SHALL NOT SHOW ANY DAMAGE ON THE SURFACE OF PLUG AND CORD.

5.2 CONSTRUCTION:

SAME AS TABLE 1,2 AND FIGURES.

5.3 DIELECTRIC RESISTANCE:

TO WITHSTAND WITHOUT BREAKDOWN WHEN 1250V AC POTENTIAL IS APPLIED FOR 1 MINUTE BETWEEN CONDUCTORS.

5.4 INSULATION RESISTANCE :

NOT LESS THAN 100 M Ω AT 20°C 500V DC.

5.5 STRAIN RELIEF:

TO BE CAPABLE OF WITHSTANDING STRAIGHT PULL OF 30 lb (13.6 KG) BETWEEN STRAIN RELIEF ON TOP PLUG AND CORD FOR 1 MINUTE AT NORMAL TEMPERATURE.

5.6 BLADE PULL TEST AT ELEVATED TEMPERATURE:

UNDER THE CONDITION THAT THE ATTACHMENT PLUG HAS BEEN LOCATED FOR 4 HRS. IN THE CIRCULATION OVEN HEATED TO 60°C, IT SHALL BE CAPABLE OF WITHSTANDING 10 lb (4.5KG) PULL WITHOUT DISPLACING EITHER BLADE FROM ITS ORIGINAL POSITION IN THE MOLDED BODY BY MORE THAN 1.6MM (1/16 IN).

5.7 POLARIZATION AND CONTINUITY:

ALL CORD SETS AND POWER SUPPLY CORDS SHALL BE TESTED TO VERIFY:

- a. THE CONDUCTORS ARE CONNECTED TO THE INTENDED TERMINALS OF THE FITTINGS.
- b. THERE IS ELECTRICAL CONTINUITY THROUGHOUT THE ENTIRE LENGTH OF THE CONDUCTOR/CONTACT ASSEMBLY.

5.8 FLEXING TEST:

THE PLUG SHALL BE CAPABLE OF WITHSTANDING 2,500 FLEXING CYCLES WHEN THE BODY IS FLEXED WITH AN ANGLE OF 90° TO EACH SIDE OF THE CENTERED POSITION. AT THE CENTERED POSITION. THE CORD IS HANGED VERTICALLY WITH 4 OZ(113G) WEIGHT.

A FLEXING CYCLE: A ROTATION OF THE SPECIMEN FROM VERTICAL POSITION UTTIL 90° TO ONE SIDE, AND BACK PAST THE VERTICAL POSITION UTTIL 90° TO THE OTHER SIDE AND BACK TO THE VERTICAL POSITION. THE RATE OF TESTING SHALL BE 10 CYCLES PER MINUTE.
NOT MORE THAN 20% OF THE STRAND OF EACH CONDUCTOR HAVE BEEN BROKEN.

PHINO ELECTRIC (HUIZHOU) LTD

6 CHARACTERISTICS OF FLEXIBLE CORD:

6.1 CONDUCTOR RESISTANCE:

MAXIMUM 22.4 Ω /KM AT 20°C.

6.2 INSULATION RESISTANCE:

NOT LESS THAN 0.762 MΩ . KM AT 15.6°C.

6.3 MECHANICAL PROPERTIES:

INSULATION PHYSICAL PROPERTIES	BEFORE AGING	ELONGATION	%	136±2°C, 168H,	100% MIN. OF THE VALUE BEFORE AGING
		TENSILE STRENGTH	N/MM ²		10.34N/MM ² MIN. OF THE VALUE BEFORE AGING
JACKET PHYSICAL PROPERTIES	AFTER AGING IN HEATING CABINET	ELONGATION	%	136±2°C, 168H,	85% MIN. OF THE VALUE BEFORE AGING
		TENSILE STRENGTH	N/MM ²		85% MIN. OF THE VALUE BEFORE AGING
AFTER AGING IN HEATING CABINET	BEFORE AGING	ELONGATION	%	136±2°C, 168H,	100% MIN. OF THE VALUE BEFORE AGING
		TENSILE STRENGTH	N/MM ²		10.34N/MM ² MIN. OF THE VALUE BEFORE AGING
AFTER AGING IN HEATING CABINET	BEFORE AGING	ELONGATION	%	136±2°C, 168H,	45% MIN. OF THE VALUE BEFORE AGING
		TENSILE STRENGTH	N/MM ²		85% MIN. OF THE VALUE BEFORE AGING

6.4 HEAT SHOCK:

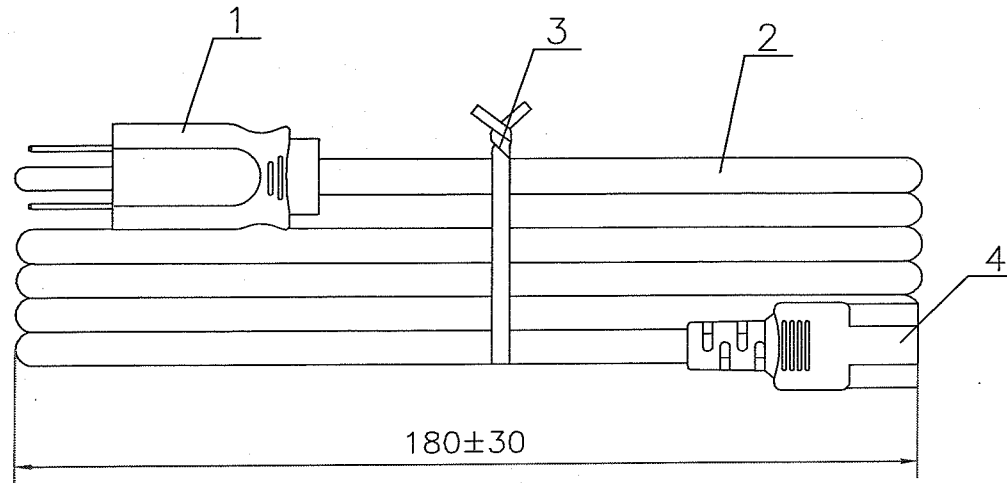
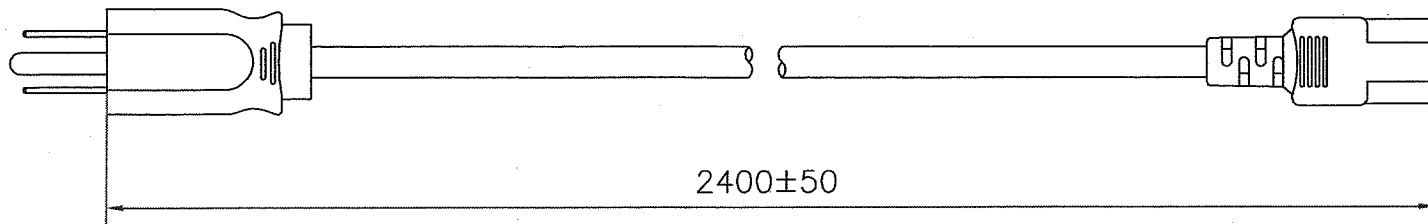
NO CRACK ON THE SURFACE OF THE SPECIMEN AFTER THE SPECIMEN WAS WOUND TO THE MANDREL AND SUBJECTED TO THE TEMPERATURE AT 120°C±1°C×1 HOUR. THE DIAMETER OF MANDREL IS AS SAME AS CORD'S MINOR DIAMETER.

6.5 DEFORMATION TEST:

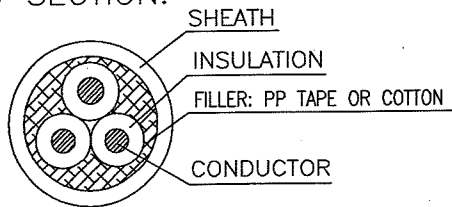
THICKNESS OF THE SPECIMEN SHALL NOT DECREASE MORE THAN 50% OF THE ORIGINAL AFTER THE SPECIMEN HAD BEEN SUBJECTED TO THE TEMPERATURE OF 120°C±1°C×1HR. UNDER 40g WEIGHT.

6.6 COLD BEND:

IT SHALL NOT SHOW ANY CRACKS ON THE SURFACE OF THE SPECIMEN WHEN IT WAS WOUND TO THE MANDREL HAVING THE DIAMETER 2 TIMES OF THE MINOR AXIS OF THE CORD AFTER SUBJECTED TO THE TEMPERATURE OF -20°C±1°C×4 HOURS.



CORD SECTION:



- 1. PVC MOLDED PLUG: PHP-301 (BLACK)
- 2. PVC FLEXIBLE CORD: SVT 18AWGX3C 105°C (BLACK)
- 3. ELIPTIC TIE (BLACK)
- 4. PVC MOLDED CONNECTOR: PHS-301 (BLACK)

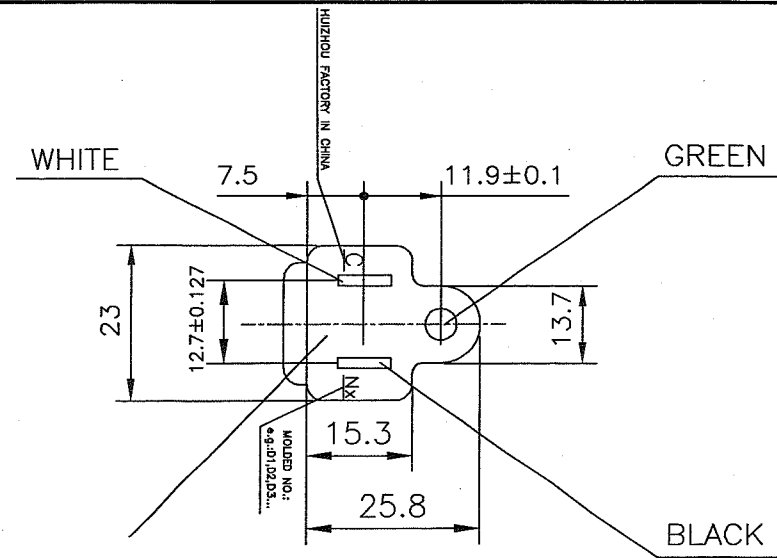
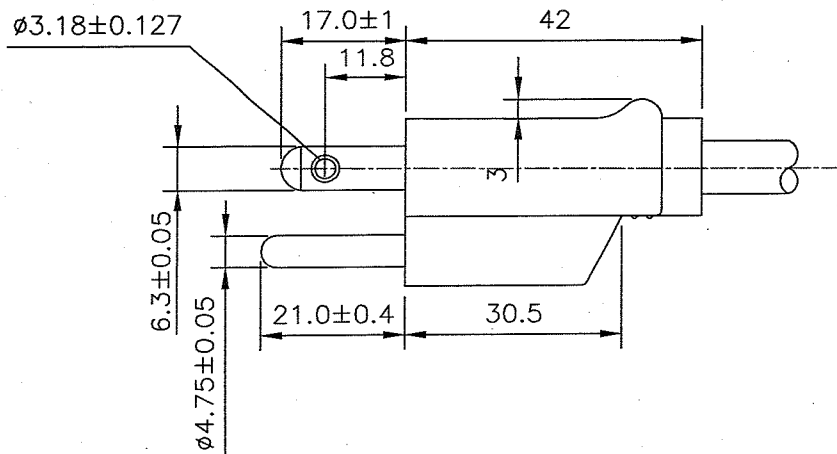
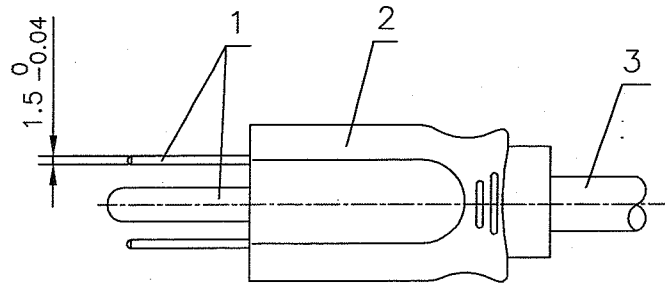
NOTE: ALL MATERIALS ARE RoHS COMPLIANCE.



CORD MARKING:

(UL) E209524 SVT VW-1 105°C 3X0.824mm² (18AWG) 300V
 -PHINO- CSA 180414 SVT FT1 105°C 3X0.824mm² (18AWG)

300V Cn -LF-
 ROLL NO.: 1,2,3...
 CHINA FACTORY

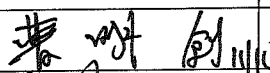

P/N	43-300-09	TITLE	POWER SUPPLY CORD PHP-301 TO PHS-301		
		INTERNAL NO:	P301-2165-1		
DESIGNED	Luo JiaWei 2015.11.10	UNIT	MM	SCALE	
CHECKED	<i>[Signature]</i>	MATERIAL		PHINO	
APPROVED	<i>[Signature]</i>	PROJECTION			

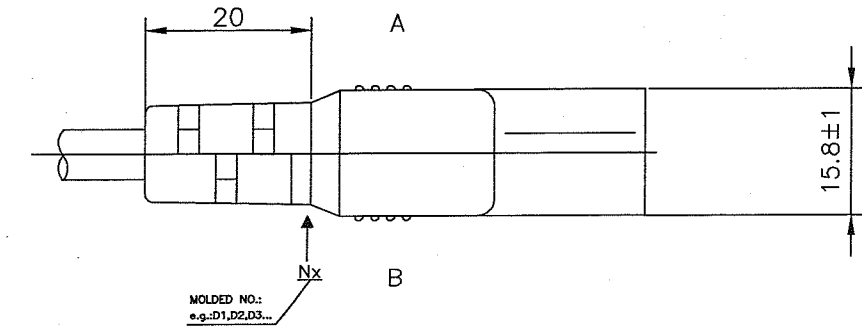
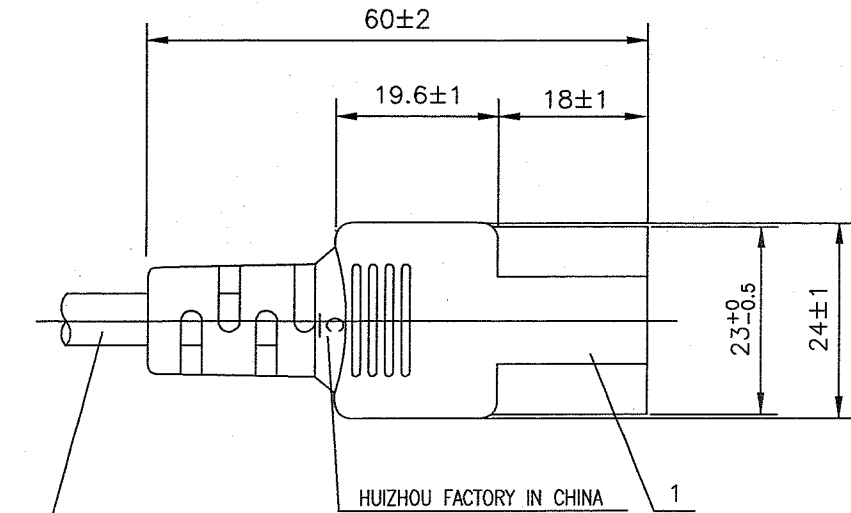




 10A 125V
 C PHP-301 Cn
 E94216
 PHINO

TOLERANCE:
 >20:±2.0
 ≤20:±1.0
 ≤10:±0.5
 ≤1.0:±0.3

1. PIN (NICKEL PLATED)
2. PVC MOLDED PLUG: PHP-301
3. FLEXIBLE CORD

		TITLE	PHP-301		
		DRAW NO.			
DESIGNED	Ye shaomao	UNIT	MM	SCALE	1:1
CHECKED		MATERIAL	PHINO		
APPROVED		PROJECTION			



SIDE A: PHINO

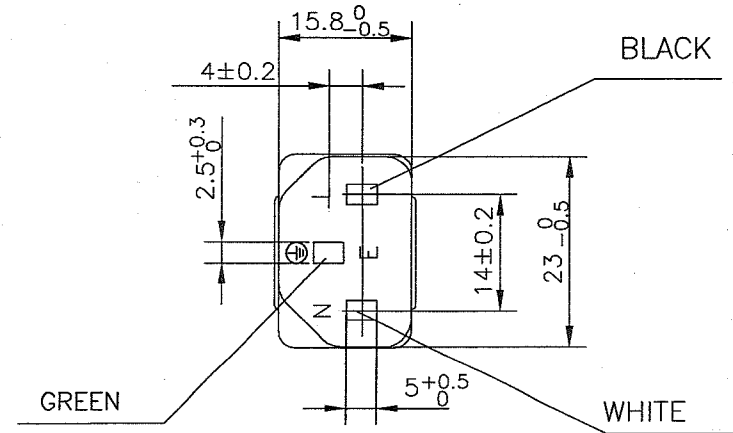
PHS-301

SIDE B: E94216

10A 125V

1. PVC CONNECTOR BODY

2. PVC FLEXIBLE CORD



TOLERANCE:

>20:±2.0

≤20:±1.0

≤10:±0.5

≤1.0:±0.3

		TITLE	PHS-301		
		DRAWING NO.	SAMXIANG\HANKED\PHP-CORE\S-301UL		
DESIGNED	He Dafeng	UNIT	MM	SCALE	1:1
CHECKED		MATERIAL		PHINO	
APPROVED		PROJECTION			

ELBZ
Card Sets and Power Supply Cards

January 20, 1992

PHINO ELECTRIC CO LTD, TAIPEI TAIWAN

EG4218 (S)

3 ALLEY 3 - LANE 226 SEC 8, CHUNG HSIAO EAST RD

LOOK FOR LISTING MARK ON PRODUCT

554731001

Underwriters Laboratories Inc.®

71/0205274

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File E94216 Vol 1 ADDENDUM TO PAGE 1 ISSUED: 1985-08-07
AUTHORIZATION PAGE REVISED: 2010-11-08

LOCATION

(358011-001) PHINO (SHANGHAI) ELECTRIC CO LTD
1818 YECHENG RD
JIADING INDUSTRIAL AREA
SHANGHAI
201800 CHINA

(731230-001) PHINO ELECTRIC (HONG KONG) CO
FURONG INDUSTRIAL ZONE
XINER VILLAGE
BAO'AN, SHATING TOWN
SHENZHEN GUANGDONG CHINA

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INDEX

ATTACHMENT PLUG:

STANDARD CONFIGURATION

Cat. No.	Cord AWG	Current Rating Amps	Section	Figure
PHP-201	16, 18, 20	13, 10, 3	1	1
PHP-201B	16, 18, 20	13, 10, 3	1	1, 4
PHP-201C	16, 18, 20	13, 10, 3	1	ILL. 5
PHP-301	14, 16, 18	15, 13, 10	1	2
PHP-301B	14, 16, 18	15, 13, 10	1	ILL. 6
PHP-301G	14, 16, 18	15, 13, 10	1	ILL. 7
PHP-301R PHP-301R1, PHP-301R2, PHP-301R3, PHP-301R4	14, 16, 18	15, 13, 10	1	5
PHP-302R5, PHP-302R6, PHP-302R7	14, 16, 18	15, 13, 10	1	--
PHP-207	14, 16, 17, 18	15, 13, 12, 10	1	3
PHP-328	12, 14	20, 18	1	8
PHP-329	12, 14	20, 18	1	--
PHP-331	14	15	1	9
PHP-332	14, 12	15, 20	1	10
PHP-333	14, 12	15, 20	1	11
PHP-341R1, PHP-341R2	14, 12	15, 15	1	--
PHP-342R, PHP-342R1, PHP-342R2, PHP-342R5	12, 14, 16, 18	15, 15, 13, 10	1	--
PHP-343	14, 16, 18	15, 13, 10	1	--

NON-NEMA CONFIGURATION

Cat. No.	Config.	No. of Conductors	Cord AWG / Electrical Rating A/V	Sec.	Fig.
PHP-310	C14	14, 15, 16, 16, 17, 18/3	15, 14, 13, 10, 12, 10/125 or 250	1	4

APPLIANCE COUPLERS:

Cat. No.	Cord AWG	Electrical Rating			Section	Figure
		Amp	Volts	Section		
PHS-205	18	7	125	2	1	
PHS-301	18, 17, 16, 15, 14	10, 12, 13, 14, 15	125 or 250	2	2	
PHS-301A	18, 16, 14	10, 13, 15	125	2	8	
PHS-301RL	18, 16, 14	10, 13, 15	125	2	3	
PHS-301RR	18, 16, 14	10, 13, 15	125	2	4	
PHS-305	18, 16	10, 10	125	2	5	
PHS-305RL	18, 16	10, 10	125	2	6	
PHS-305RR	18, 16	10, 10	125	2	7	
PHS-205 V	18	7	125	2	1	
PHS-205 A	18	7	125	2	1	
PHS-219	18	7	125	2	--	
PHS-219R	18	7	125	2	--	
PHS-303	14, 12, 12	18, 18, 20	125 or 250	2	9	

CURRENT TAP:

15 A - 125 V
 CONFIGURATION

Cat. No.	Cord AWG	Current Rating Amps	Section	Figure
None				

FLAT IRON PLUG:

Cat. No.	Cord AWG	Electrical Rating Amp	Volts	Section	Figure
PHS-209	16, 14	15	125	6	1

HOSPITAL GRADE ATTACHMENT PLUG:

Cat. No.	Cord AWG	Current Rating Amps	Section
PHP-350	12, 14, 16, 18	15, 15, 13, 10	7
PHP-351	12, 14, 16, 18	20, 18, 13, 10	7
PHP-352	12, 14, 16, 18	15, 15, 13, 10	7
PHP-353	12, 14, 16, 18	20, 18, 13, 10	7

DESCRIPTION

PRODUCT COVERED:

Unlisted Component - Attachment Plug, Cat. Nos. PHP-201, -201B, -201C, -207, -301, -301B, -301G, -301R, PHP-301R1, PHP-301R2, PHP-301R3, PHP-301R4, and -310, PHP-328, PHP-329, PHP-331, PHP-332, PHP-333, PHP-336, PHP-302R5, PHP-302R6, PHP-302R7, PHP-341R1, PHP-341R2, PHP-342R, PHP-342R1, PHP-342R2, PHP-342R5, PHP-343.

USU, CNU - Unlisted Component - Appliance Inlet, Cat. No. PHP-310.

ELECTRICAL RATING:

Cat. No.	Cord AWG	Current, Amps	Volts
PHP-201, PHP-201C, PHP-201B	16, 18, 20	13, 10, 3	125
PHP-301, PHP-301B, PHP-301G, PHP-301R, PHP-301R1, PHP-301R2, PHP-301R3, PHP-301R4	14, 16, 18	15, 13, 10	125
PHP-207	14, 16, 17, 18	15, 13, 12, 10	125
PHP-310	18, 17, 16, 16, 15, 14	10, 12, 10, 13, 14, 15	125 or 250
PHP-328	14, 12	18, 20	125
PHP-329	14, 12	18, 20	250
PHP-331	14	15	250
PHP-332	14, 12	15, 20	125
PHP-333	14, 12	15, 20	250
PHP-336	14, 12	18, 20	250
PHP-302R5, PHP-302R6, PHP-302R7	14, 16, 18	15, 13, 10	125
PHP-341R1, PHP-341R2	14, 12	15, 15	125
PHP-342R, PHP-342R1	12, 14, 16, 18	15, 15, 13, 10	125
PHP-342R2, PHP-342R3			
PHP-343	14, 16, 18	15, 13, 10	125

*

DESCRIPTION

PRODUCT COVERED:

USU - Unlisted Component - Cord Connector, Cat. Nos. PHS-301, PHS-301A, PHS-301RL, PHS-301RR, PHS-302, PHS-303, PHS-305, -305RL, -305RR, PHS-205, -205D, -205V and -205A, PHS-219, PHS-219R, PHS-307.

GNU - Unlisted Component - Cord Connector, Cat. Nos. PHS-301, PHS-301A, PHS-301RL, PHS-301RR, PHS-303, PHS-305, -305RL, -305RR, PHS-205, -205D, -205V and -205A, PHS-219, PHS-219R, PHS-307.

ELECTRICAL RATING:

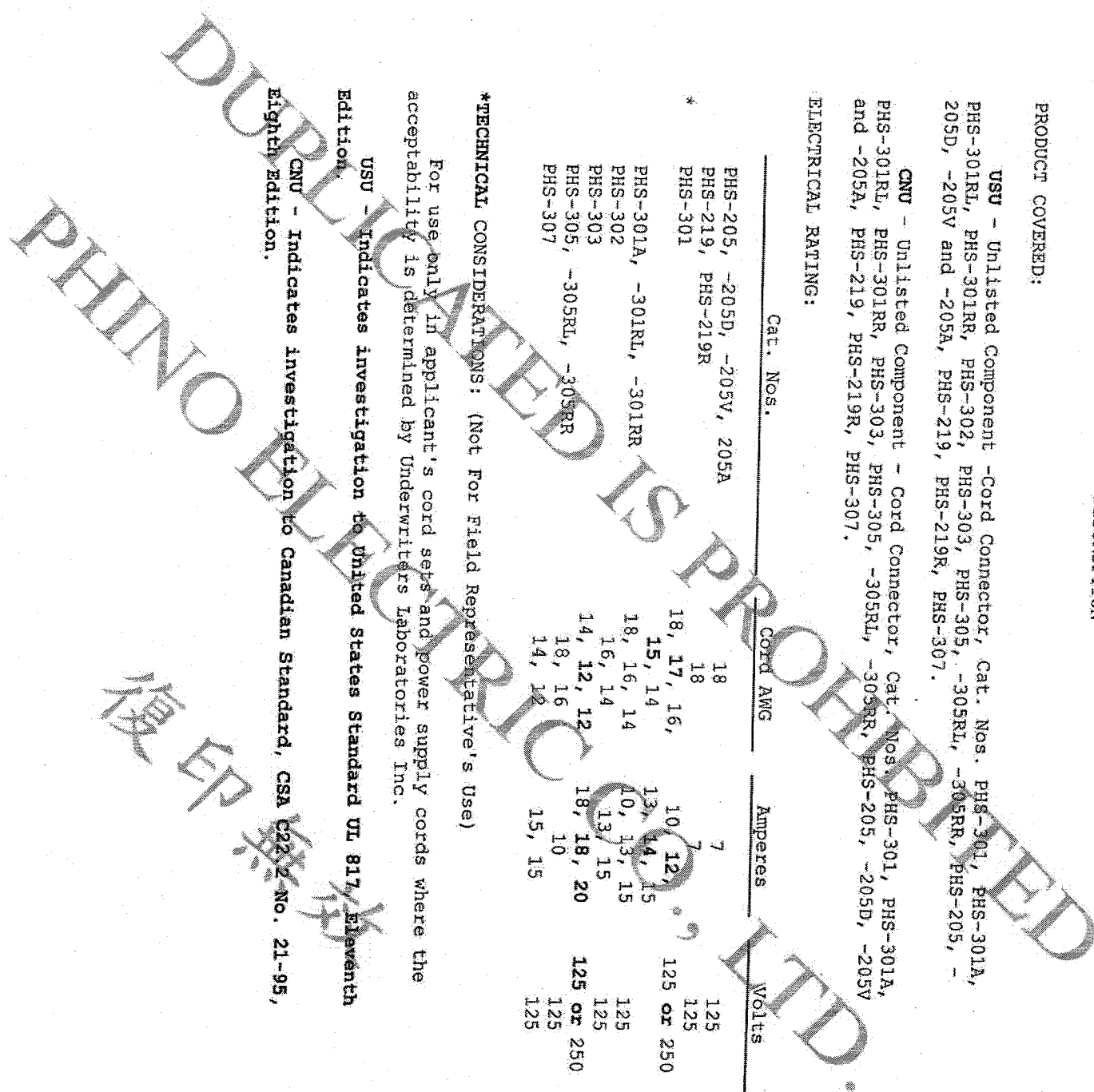
Cat. Nos.	Cord AWG	Amperes	Volts
PHS-205, -205D, -205V, 205A	18	7	125
PHS-219, PHS-219R	18	10, 12, 15	125
PHS-301	18, 17, 16,	10, 14, 15	125 or 250
PHS-301A, -301RL, -301RR	15, 14	13, 14, 15	125
PHS-302	18, 16, 14	10, 13, 15	125
PHS-303	16, 14	13, 15	125
PHS-305, -305RL, -305RR	14, 12, 12	18, 18, 20	125 or 250
PHS-307	18, 16	10	125
	14, 12	15, 15	125

*TECHNICAL CONSIDERATIONS: (Not For Field Representative's Use)

For use only in applicant's cord sets and power supply cords where the acceptability is determined by Underwriters Laboratories Inc.

USU - Indicates investigation to United States Standard UL 817 Eleventh Edition.

GNU - Indicates investigation to Canadian Standard, CSA C22.2 No. 21-95, Eighth Edition.





CERTIFICATION RECORD

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: 098901 0 000

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

SUBMITTOR

63957 Phino Electric Company Limited
Fl. 6, No. 50, Zhou-Z St.
Nei-Hu Area
Taipei City,
TAIWAN

FACTORY

63957 Phino Electric Company Limited
Fl. 6, No. 50, Zhou-Z St.
Nei-Hu Area
Taipei City,
TAIWAN

April 21, 1999

The factory listed above is only one of the factories producing CSA Certified products under this classification for the submittor named above.

A complete listing for products Certified under this product classification for the submittor appears under Master Certification Record File LL 86264.

The products produced at this factory are described in the applicable Certification reports on file at CSA under Master Certification File LL 86264.

/hh

PHINO ELECTRIC CO., LTD IS PROHIBITED

CSA INTERNATIONAL



Certificate of Compliance

Certificate: 2172021

Master Contract: 180414

Project: 2172021

Date Issued: July 1, 2009

Issued to:

Phino Electric Company Limited
6th Flr No 50 Zhou-Z St.,
Nei-Hu Area
Taipel City,
Taiwan

Attention: Mr. David Wei



Issued by: Charles Chow.

Authorized by:  Fred Mark P. Eng.,
General Manager, China
Operations

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

PRODUCTS

CLASS 5841 03 - CORD SETS - Special-Use Cord Sets

Cord set(s) consisting of the following plug caps and connectors moulded onto flexible cords as listed:

Plug Cap Cat No	Configuration	Connector Cat No	Configuration	Flexible Cord		Cord Rating	Set
				AWG	Type		
PHP-201 PHP-201C	1-1SP (non- polarized)	PHS-20S, PHS-205A	IEC320 C1/C7 S-Use (non- polarized)	18/2	SPT-1, SPT-2, NISPT-1, NISPT-2	7A, 125V	
PHP-201, PHP-201C	1-1SP (polarized)	PHS-205D, PHS-205V	IEC320 C1/C7 S-Use (polarized)	18/2	SPT-1, SPT-2, NISPT-1, NISPT-2	7A, 125V	
PHP-301, PHP-301B, PHP-301R	5-1SP	PHS-301, PHS-301RL, PHS-301RR	IEC320 C13 S-Use	18/3	SPT-2, SVT#, SJT#	10A, 125V	
				16/3	SPT-2, SJT#		
				14/3	SJT#		
PHP-301, PHP-301B, PHP-301R	5-1SP	PHS-30S, PHS-30SRL, PHS-30SRR	IEC320 C5 S-Use	18/3	SPT-2, SVT#, SJT#	10A, 125V	



CSA INTERNATIONAL

Certificate: 2172021

Project: 2172021

Master Contract 180414

Date Issued: July 1, 2009

PHP-310	IEC320 C14 S-Use	PHS-301, PHS-301RL, PHS-301RR	IEC320 C13 S-Use	18/3	SVT#, SUT#	10A, 125V
PHP-310	IEC320 C14 S-Use	PHS-305, PHS-305RL, PHS-305RR	IEC320 C5 S-Use	18/3	SVT#, SUT#	10A, 125V

Legend: #Shielded and Non-Shielded.

APPLICABLE REQUIREMENTS

- CSA C22.2 No. 21-95 - Cord Sets and Power Supply Cords
- CSA Std C22.2 No.42-99 - General Use Receptacles, Attachment Plugs and Similar Wiring Devices
- CSA C22.2 No. 182.3-M1987 - Special Use Attachment Plugs, Receptacles and Connectors
- Informers Cord Set No. 7A - Production-Line Test for Cord Sets and Power Supply Cords

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PHINO ELECTRIC

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Supplement to Certificate of Compliance

Certificate: 2172021

Master Contract: 180414

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
2172021	July 1, 2009	Original Certification.

PHINNO ELECTRIC CO., LTD.
 PHINNO ELECTRIC CO., LTD.
 PHINNO ELECTRIC CO., LTD.

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<http://www.ul.com>

File E209524
Project No. 01 CA02021

March 13, 2001

REPORT

ON

FLEXIBLE CORD

Phino Electric Co Ltd
Taipei City, Taiwan

PHINO ELECTRIC CO., LTD
DUPLICATED
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A not-for-profit organiz
dedicated to public sa
committed to quality s

INDEX

Construction	United States Type	Canadian Type	Section
Parallel Cords	SPT-1, SPT-2, SPT-3	SPT-1, SPT-2, SPT-3	1
Jacketed Cords	SVT, SJT, SJTW, SJTO	SVT, SJT, SJTW, SJTO	2
Parallel Cords	NISPT-1, NISPT-2	N/A	3

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 復印無效

DESCRIPTION

PRODUCT COVERED:

USL: Types SVT, SVTO, SJT, SJTO, and SJTW employing Class 2.9, 2.11, 2.22, or 2.29 insulation and Class 1.7, 1.8, 1.16, or 1.19 jacket.

CNL: Same Types as USL except only using Class 2.9 or 2.11 insulation and Class 1.7 or 1.8 jacket.

ENGINEERING CONSIDERATIONS:

USL indicates compliance with UL 62

CNL indicates compliance with CSA C22.2 No. 49

CONSTRUCTION DETAILS:

These cords are constructed in accordance with the Standard for Flexible Cord and Fixture Wire, UL 62, and the following:

Insulation on "W" Types - Any Recognized Component (QMTT2) PVC compound acceptable for use on either wet location Flexible Cord or on an NEC Type with a "W" in its Type letter designation.

Jacket on "W" Types - Any Recognized Component (QMTT2) PVC 720 hour sunlight resistant compound.

MARKING:

These cords are marked in accordance with the Standard for Flexible Cord and Fixture Wire, UL 62. In addition, CNL Types must be marked "FT2" unless they comply with the FT1 flame test in which case they are marked "FT1".

DESCRIPTION

PRODUCT COVERED:

Types NISPT-1 and NISPT-2 employing Class 2, 9, 2.11, 2.22 or 2.29 insulation and Class 1, 7, 1.8, 1.16, or 1.19 jacket.

CONSTRUCTION DETAILS:

These cords are constructed in accordance with the latest edition of UL 62, Standard for Flexible Cord and Fixture Wire.

MARKING:

These cords are marked in accordance with the Standard for Flexible Cord and Fixture Wire, UL 62.

PROHIBITED

PHINNO ELECTRIC CO., LTD
DUPLICATE
復印無效

Supplement to Certificate of Compliance

Certificate: 1197089

Master Contract: 189414 (LL 86363)

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	Descriptions
1293945	March 13, 2002	Addition of Type SFTV
1197089	May 4, 2001	Original Certification

PHILNO ELECTRIC CO., LTD.
PHILNO ELECTRIC CO., LTD.
PHILNO ELECTRIC CO., LTD.

復印無效

Certificate of Compliance

Certificate: 1197089

Master Contract: 180414 (Q.L. 86263)

Project: 1293945

Date Issued: March 13, 2002

Issued to: **Phiso Electric Company Limited**
6th Flr No. 50 Zhen-Zi St.
Nai-Shu Area, Taipei City
Taiwan
Attention: Mr. Philip Chen

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



Issued by:

H. Chappel, P. Eng.

Authorized by:


Noel Ahlino
Operations Manager

PRODUCTS

CLASS 3831 01 - WIRES - Flexible Cord

Part A: Thermoplastic (PVC) insulated Types SPT-1, SPT-2, in two or three conductor (without bonding conductive), integral and non-integral constructions and SPT-3, in two or three conductor (without bonding conductor), integral, rated 60C and 105C, FT-1 or FT-2.

Part B: Thermoplastic (PVC) insulated and jacketed Types SVT, STI, STIO, in two to six conductors, rated 60C and 105C, FT-1 or FT-2, with optional shield.

Part C: Thermoplastic (PVC) insulated and jacketed Types STW, in two to six conductors, rated 60C and 105C, FT-1, FT-2.

Notes:

1. Size ranges and voltage ratings are as specified within report.
2. May also be marked "VW-1" where desired.
3. In all columns except clear or translucent.

APPLICABLE REQUIREMENTS

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

Certificate of Compliance

Certificate: 1197089

Master Contract: 180414 (L.L. 85263)

Project: 1197089

Date Issued: May 4, 2001

Issued to: Phino Electric Company Limited

6th Flr. No. 50 Zhou-Z. St.
Nei-Hu Area,
Taipei City
TAIWAN
Attention: Mr. Philip Chen

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



Issued by: *B. Chippel*
B. Chippel, P. Eng.

Authorized by: *B. Rossborough*
B. Rossborough, P. Eng.
Operations Manager

PRODUCTS

CLASS 5831 01 WIRES - Flexible Cord

Part A: Thermoplastic (PVC) insulated Types SPT-1, SPT-2, in two or three conductor (without bonding conductor), integral and non-integral constructions and SPT-3, in two or three conductor (without bonding conductor), integral, rated 60C & 105C, FT-1 or FT-2.

Part B: Thermoplastic (PVC) insulated and jacketed Types SVT, SJT, SJTO, in two or three conductors, rated 60C & 105C, T-1 or FT-2, with optional shield

Notes:

1. Size ranges and voltage ratings are as specified within report.
2. May also be marked "VW-1" where desired.
3. In all colours except clear or translucent.

APPLICABLE STANDARDS

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



● Max temperature rating 105C:

SPT-1	300	20,18	2,3	PVC	-	1,2
SPT-1	300	20,18	2,3	PVC	PVC	1,2,3
SPT-2	300	18,16	2,3	PVC	-	1,2
SPT-2	300	18,16	2 only	PVC	PVC	1,2,3
SPT-3	300	18,8	2,3	PVC	PVC	1,2
SVT	300	18,17,16	2,3	PVC	PVC	1,2
SJT	300	18,10	2,6	PVC	PVC	1,2
SJTO	300	18,10	2,6	PVC	PVC	1,2

Notes:

1. Insulation in all colours except clear and translucent.
2. Flame test, FT2, F1, VVW-1 (optional).
3. Non-integral construction.

/cv

DUPPLI WAREHOUSE ELECTRICALS PRIVATE LTD
PHILNO
復印無效



CSA INTERNATIONAL

CERTIFICATION RECORD

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: 086263 0 000

Class No: 5831 01 WIRES Flexible Cord

SUBMITTOR

Phino Electric Company Limited
6th Flr 6 No 50 Zhou-Z St
Nei-Hu Area
Taipei City,
Taiwan

4560100

FACTORY

Phino Electric (Hong Kong) Co.
Furong Industrial
Xiner Village Shajing Town
Bao An
Shenzhen, Guangdong 518100
China

May 4, 2001

TO THE REQUIREMENTS OF CSA STANDARD C22.2 NO 49-98 AND CERTIFICATION NOTICE,
WIRE AND CABLE NO 18:

Type	Max Volt	Size of Conductors (AWG)	No of Conductors	Insul Type	Jacket Type	Notes
SPT-1	300	20,18	2,3	PVC	-	1,2,3
SPT-1	300	20,18	2,3	PVC	PVC	1,2,3,4
SPT-2	300	18,16	2,3	PVC	-	1,2,3
SPT-2	300	18,16	2 only	PVC	PVC	1,2,4
SPT-3	300	18,8	2,3	PVC	PVC	1,2,3
SVT	300	18,17,16	2,3	PVC	PVC	1,2
SJT	300	18,10	2,6	PVC	PVC	1,2
SJTO	300	18,10	2,6	PVC	PVC	1,2

• Max temperature rating 60C:

PHINO

PROHIBITED

CO. LTD