

**ZJCZ.E84516**  
**Flexible Cord**[Page Bottom](#)

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**Flexible Cord**[See General Information for Flexible Cord](#)**TA HSING INDUSTRIES LTD**

E84516

10F-16 6 Ln 180 Sec 6 Minquan E Rd  
Neihu District  
Taipei, 114 TAIWAN

**Decorative cord**, Type(s) CXTW, SPT-1W, SPT-2W, XTW**Jacketed cord**, Type(s) SE, SJE, SJT, SJTO, SJTOO, SJTOW, SJTW, ST, STO, STOO, STOOO, STOW, STW, SVE, SVT, SVTO, SVTOO**Parallel cord**, Type(s) NISPE-1, NISPE-2, NISPT-1, SPE-1, SPE-2, SPE-3, SPT-1, SPT-2, SPT-3**Special-use cord**, Type(s) C**Tinsel cord**, Type(s) TPT, TST[Last Updated](#) on 2015-01-16

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## ZJCZ7.E84516 Flexible Cord Certified for Canada

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### Flexible Cord Certified for Canada

[See General Information for Flexible Cord Certified for Canada](#)

**TA HSING INDUSTRIES LTD**

E84516

10F-16 6 Ln 180 Sec 6 Minquan E Rd  
Neihu District  
Taipei, 114 TAIWAN

**Jacketed cord**, Type(s) SJT, SJT(TPE), SJTO, SJTOO, SJTOW, SJTW, ST, ST(TPE), STO, STOO, STOOW, STOW, STW, SVT, SVT(TPE), SVTO, SVTOO

**Parallel cord**, Type(s) NISPT-1, NISPT-1(TPE), NISPT-2(TPE), SPT-1, SPT-1(TPE), SPT-2, SPT-2(TPE), SPT-3, SPT-3(TPE)

**Tinsel cord**, Type(s) TPT, TST

[Last Updated](#) on 2015-01-16

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# Certificate of Compliance

**Certificate:** 1239077 (LL 110850)

**Master Contract:** 200377

**Project:** 1982017

**Date Issued:** 2007/12/05

**Issued to:** Ta Hsing Industrial Ltd.  
Unit 13 7/F New Tech Plaza  
No 34 Tai Yau St  
Kowloon,  
Hong Kong  
Attention: Ajune Lee

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



**Issued by:** Richard Cohen, P.Eng.

**Authorized by:** Nick Alfano, Operations  
Manager

## PRODUCTS

**CLASS 5831 01 - WIRES - Flexible Cord**

Flexible cords, Types SPT-1, SPT-2, NISPT-1, NISPT-2, SPT-3, SVT, SVTO, SVTOO, SJT, SJTO, SJTOO, SJTW, SJTOW, SJTOOW, 300V and ST, STO, STOO, STW, STOW, STOOW, 600V, and rated 60C, 75C, 90C and 105C, FT-2.

## APPLICABLE REQUIREMENTS

CAN/CSA-C22.2 No 49-06 - Flexible Cords and Cables

WIRE AND CABLE No. 21 - CSA Certification Markings on CSA Certified Flexible Cords and Cables



## *Supplement to Certificate of Compliance*

**Certificate:** 1239077

**Master Contract:** 200377

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

### **Product Certification History**

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<b>Project</b>	<b>Date</b>	<b>Description</b>
1877683	2007/03/21	Addition of 3c Types SPT-1, SPT-2, 60C and 105C flexible cord and correct compound designation
1633904	2005/02/23	Addition of SJTOW, SJTOOW, STOW, STOOW
1624551	2004/12/23	Addition of SJTW, STW
<b>History</b>		
1270141	2001/12/20	Update to include types SVT, SVTO, SVTOO, SJTO, SJTOO, STO, SJTOO.
1239077	2001/10/05	Original Certification.

ZJCZ. E159216  
Flexible Cord

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Flexible Cord

[See General Information for Flexible Cord](#)

SHENZHEN BAO HING ELECTRIC WIRE & CABLE MFR CO LTD

E159216

BUCHONG TONGFUYU INDUSTRY AREA

SHAJING RD SHAJING ST

BAOAN DISTRICT

SHENZHEN, GUANGDONG 518104 CHINA

PVC parallel cord with -R suffix, Type SPT-2-R.

PVC jacketed cords with -R suffix, Types SVT-R, SJT-R.

Parallel cords, Types SPE-1, SPE-2, SPE-3, SPT-1, SPT-2, SPT-3, NISPT-1, NISPT-2, NISPE-1, NISPE-2.

Jacketed cords, Types SVE, SJE, SVT, SJT, ST, SJTW, STW.

Tinsel cords, Types TPT, TST.

Miscellaneous cord, Type Clock cord.

Single or Twisted Decorative Cord, Type CXTW.

[Last Updated](#) on 2011-03-30

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## NOTICE OF AUTHORIZATION TO APPLY THE UL MARK

05/10/2010

Shenzhen Bao Hing Electric Wire & Cable Mfr Co Ltd  
Mr. Jiadong Luo  
Buchong Tongfuyu Industry Area  
Shajing Rd Shajing St  
Baoan District  
Shenzhen Guangdong 518104, Cn

Our Reference: File E159216, Vol. 1 Project Number 10CA22625  
Your Reference: MS. LUO ACCEPTED ON 30 APR 10  
Project Scope: UL/CUL: TPE Flexible Cord, Types SVE, SVT, SJE, SJT, NISPE-1, NISPT-1 NISPE-2 and NISPT-2, 18 AWG conductor, may employ rayon yarns with 200-500 denier within copper conductor strands

Dear Mr. Jiadong Luo:

UL's investigation of your product(s) has been completed under the above Reference Number and the product was determined to comply with the applicable requirements.

This letter temporarily supplements the UL Follow-Up Services Procedure and serves as authorization to apply the UL Mark only at authorized factories under UL's Follow-Up Service Program.

To provide the manufacturer with the intended authorization to use the UL Mark, the addressee must send a copy of this notice to each manufacturing location currently authorized in File E159216, Vol. 1.

This authorization is effective from the date of this Notice and only for products at the indicated manufacturing locations. Records in the Follow-Up Services Procedure covering the product are now being prepared and will be sent in the near future. This letter authorizes application of the UL Mark for 90 days from the date of this letter.

Products that bear the UL Mark shall be identical to those that were evaluated by UL and found to comply with UL's requirements. If changes in construction are discovered, appropriate action will be taken for products not in conformance with UL's requirements and continued use of the UL Mark may be withdrawn. UL may elect to withdraw use of the UL Mark if the Applicant or Manufacturer fails to comply with UL's requirements including ongoing compliance of the product, under UL's Follow-Up Service.

Any information and documentation provided to you involving UL Mark services are provided on behalf of Underwriters Laboratories Inc. (UL) or any authorized licensee of UL.

The contents of this Letter are intended solely for the use of UL and the Applicant. The opinions and findings of UL represent its judgment given with due consideration to the necessary limitations of practical operation in accordance with UL's objectives and purposes. UL shall not otherwise be responsible for the use of or reliance upon the contents of this letter by anyone. UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages, arising out of or in connection with the use or reliance upon the contents of this letter to anyone other than the Applicant as provided in the agreement between UL and Applicant. Any use or reference to UL's name or certification mark(s) by anyone other than the Applicant in accordance with the agreement is prohibited without the express written approval of UL.

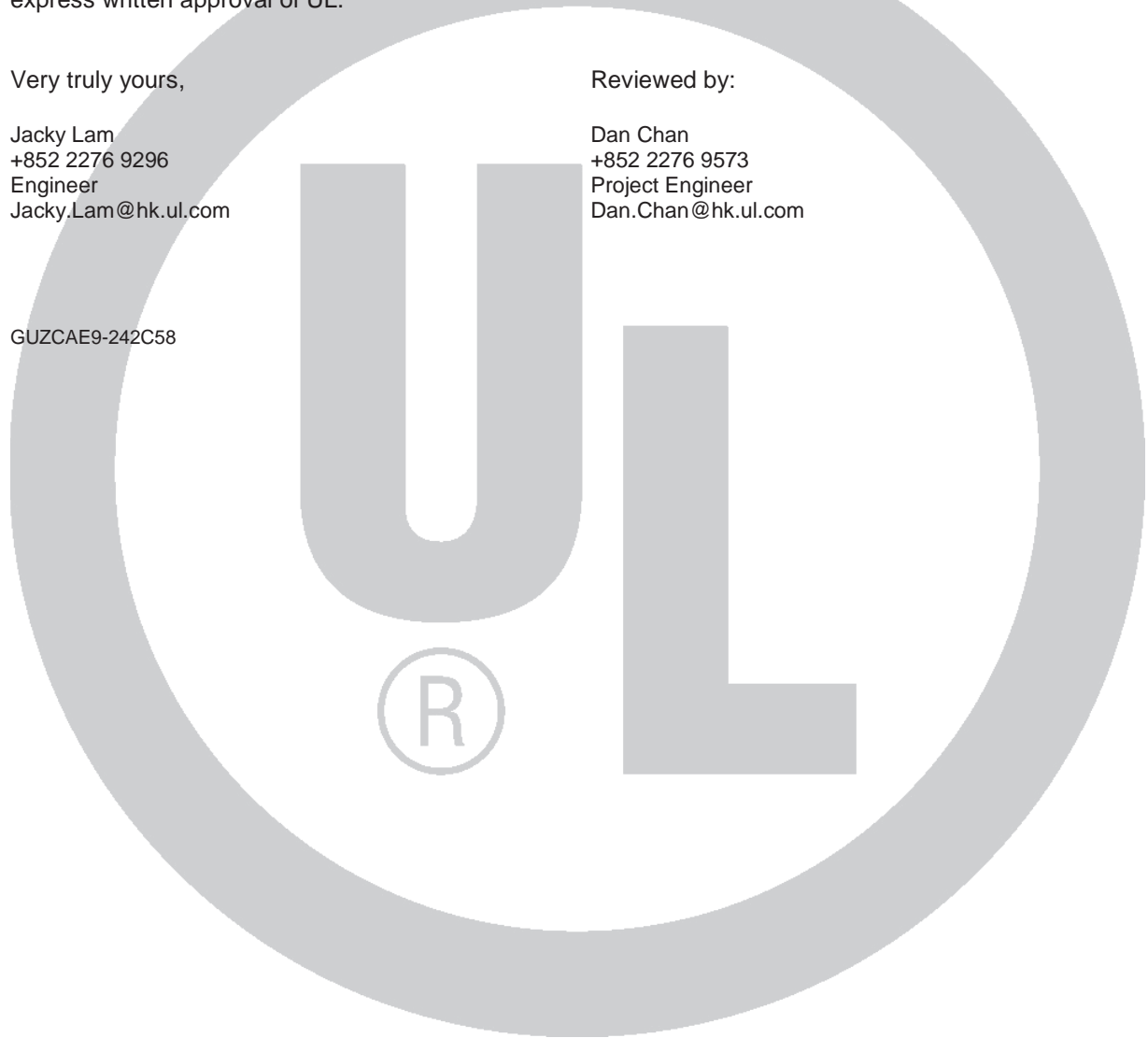
Very truly yours,

Jacky Lam  
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Reviewed by:

Dan Chan  
+852 2276 9573  
Project Engineer  
Dan.Chan@hk.ul.com

GUZCAE9-242C58



# Certificate of Compliance

**Certificate:** 1101326 (LL 112007)

**Master Contract:** 188794

**Project:** 1868262

**Date Issued:** 2007/01/18

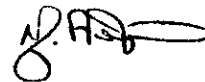
**Issued to:** Shenzhen Baohing Electric Wire &  
Cable Mfg. Co., Ltd.  
Buchong Tongfuyu Industry Area  
Shajing Rd, Shajing St  
Baoan District  
Shenzhen, Guangdong 518104  
China  
Attention: Mr. Yu Yanqiang

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



**Issued by:** Brian Harmer, C.E.I.

**Authorized by:** Nick Alfano, Operations  
Manager



**PRODUCTS**

**CLASS 5831 01 - WIRES - Flexible Cord**

Flexible Cords Types SPT-1, NISPT-1, SPT-2, NISPT-2 and SPT-3, rated 60°C, 75°C, 90°C & 105°C, 300V, FT-1 or FT-2, Types SVT, SJT, SJTW, rated 60°C, 75°C, 90°C & 105°C, 300V, FT-1 or FT-2 and Types ST, STW, rated 60°C, 75°C, 90°C & 105°C, 600V, FT-1 or FT-2, with PVC insulated and jacket (where applicable).

Note: The flexible cords above may be marked "VW-1"

**APPLICABLE REQUIREMENTS**





CSA INTERNATIONAL

**Certificate:** 1101326 (LL 112007)

**Master Contract:** 188794

**Project:** 1868262

**Date Issued:** 2007/01/18

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CSA Standard C22.2 No 49-06 - Flexible Cords and Cables



CSA INTERNATIONAL

## Supplement to Certificate of Compliance

Certificate: 1101326

Master Contract: 188794

*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
1868262	2007/01/18	Update to C22.2 No. 49-06 and Certification Notice Wire & Cable No. 128
1851873	2006/11/28	Update project 1724231 to include temperature rating of 75C and 90C to current products
1724231	2006/02/13	Corrections to Report 1594932
1594932	2005/01/11	Alternate compound: Flexible Cord Types SPT-1, SPT-2, SPT-3, SVT, SJT, ST
<b>History</b>		
1594932	2005/01/11	Alternate compound: Flexible cord Types SPT-1, SPT-2, SPT-3, SVT, SJT, ST.
1485142	2003/10/23	Addition of bonding conductor, Types SPT-1, SPT-2, and SPT-3.
1122573	2000/10/23	Addition of Types SJT, ST, clear jacket, Types SPT-1, SPT-2, SPT-3, 2-conductor clear colour, SPT-1, SPT-2, Non-integral, clear colour.
1109687	2000/09/06	Addition of Types SJTW, STW rated 60C and 105C, FT1 or FT2.
1101326	2000/06/13	Addition of clear colour for jacket compound of Type SVT rated 105C.
-1 FT1 or FT2.	1998/06/15	Original Certification of Types SPT-1, SPT-2, SPT-3, SVT, SJT & ST, 60c & 105c,

**MASTER CONTRACT:** 188794

**REPORT:** 1101326

**PROJECT:** 1868262

- Edition 1:** June 15, 1998; Application No LL 112007-1 - Toronto  
Issued by B. Harmer, C.E.I.
- Edition 2:** June 13, 2000; Project 1101326 - Toronto  
Issued by B. Harmer, C.E.I.
- Edition 5:** October 23, 2003; Project 1485142 - Toronto  
Issued by B. Chippel, P. Eng.
- Edition 6:** January 11, 2005; Project 1594932 - Toronto  
Issued by B. Chippel, P. Eng.
- Edition 7:** February 9, 2006; Project 1724231 - Toronto  
Issued by B. Chippel, P. Eng.
- Edition 8:** November 28, 2006; Project 1851873 - Toronto  
Issued by K. Nguyen; Reviewed by U. Weisz, P. Eng.
- Edition 9:** January 18, 2007; Project 1868262 - Toronto  
Issued by B. Harmer, C.E.I.

Report pages reissued

Contents: Certificate of Compliance - Pages 1 to 2  
Supplement to Certificate of Compliance - Page 1  
Description and Tests - Pages 1 to 18

## PRODUCTS

CLASS 5831 01 - WIRES - Flexible Cord

Flexible Cords Types SPT-1, NISPT-1, SPT-2, NISPT-2 and SPT-3, rated 60°C, 75°C, 90°C & 105°C, 300V, FT-1 or FT-2, Types SVT, SJT, SJTW, rated 60°C, 75°C, 90°C & 105°C, 300V, FT-1 or FT-2 and Types ST, STW, rated 60°C, 75°C, 90°C & 105°C, 600V, FT-1 or FT-2, with PVC insulated and jacket (where applicable).

Note: The flexible cords above may be marked "VW-1"

## APPLICABLE STANDARDS

CSA Standard C22.2 No 49-06 - Flexible Cords and Cables

This report shall not be reproduced, except in full, without the approval of CSA International.

## MARKINGS

### On the Product

Finished products shall be durably and legibly marked with the following information at intervals of not more than 0.6 m:

- manufacturer's name, tradename or other acceptable means (eg: legacy file "LL 112007");
- type designation;
- maximum temperature rating (see note 1);
- the number of conductors and size in mm<sup>2</sup> (AWG) (see note 1);
- voltage rating (see note 1);
- for types SPT-1, SPT-2 and SPT-3 three conductor constructions, the term "Green conductor for grounding only"
- the flame classification; and
- the CSA Logo or word mark "CSA".

The above markings shall be surface printed, embossed or indent printed.

### On the Package

Each spool or coil shall be tagged or marked with the following information:

- manufacturer's name;
- date of manufacture by month and year;
- applicable type designation;
- the number of conductors and size in mm<sup>2</sup> (AWG) (see note 1);
- for Type SPT-2 cords having conductors composed of 0.51mm<sup>2</sup> (30 AWG) strands, the wording "FOR USE IN GENERAL USE EXTENSION CORD SETS ONLY";
- For Type SPT-1 using size 0.519mm<sup>2</sup> (20 AWG) conductors, the wording "NOT FOR RETAIL SALE TO THE PUBLIC" and
- voltage rating; and
- the CSA Flexible Cord label or authorized use of the CSA Label Licencing Service.

### Notes:

1. The following information is required on all cords and cables manufactured as of June 30, 2008:
  - a) temperature rating "60°C" where so rated;
  - b) applicable voltage rating; and
  - c) the "mm<sup>2</sup>" size marking in addition to and preceding the AWG size. This pertains to both Product and Package Markings. (See Report Description for particulars)
2. Jurisdictions in Canada may require markings to be also in French. It is the responsibility of the Manufacturer to provide bilingual marking.

## ALTERATIONS

1. All markings as detailed above.
2. The minimum insulation thickness at any point after separation shall not be less than 0.33mm for Type

SPT-1, 0.69mm for Type SPT-2 and 1.01mm for Type SPT-3.

### **FACTORY TESTS**

1. Continuity – all constructions
2. Spark test – per Table 45 of the referenced Standard.

### **PROJECT HISTORY:**

1. LL 112007-1: Types SPT-1, SPT-2, SPT-3, SVT, SJT & ST. Compounds: Men Wai Plastic Cat No. 8080 & 8105, in all colours except clear and translucent (insulation & jacket), temperature rated at 60C & 105C.
2. Project 1101326: Type SVT. Compound: Men Wai Plastic Cat No. 8105, clear colour (jacket), temperature rated at 105C.
3. Project 1109687: Types SJTW & STW. Compounds: Men Wai Plastic Cat No. 8080 & 8105, in all colours except clear and translucent (insulation & jacket), temperature rated at 60C & 105C.
4. Project 1122573: Types SJT & ST. Compound: Men Wai Plastic Cat No. 8105, clear colour (jacket), temperature rated at 105C.  
Types SPT-1, SPT-2, SPT-3. Compound: Men Wai Plastic Cat No. 8105, clear colour (insulation), temperature rated at 105C.  
Types NISPT-1 & NISPT-2. Compound: Men Wai Plastic Cat No. 8105, clear colour (insulation & jacket), temperature rated at 105C.
5. Project 1485142: Green colour bonding conductor. Compound: Men Wai Plastic Cat No. 8105 (insulation), temperature rated at 105C.
6. Project 1594932: Types SPT-1, SPT-2, SPT-3, SVT, SJT & ST. Compound: Legend Plastic Cat No. EPL-94V, in all colours except clear and translucent (insulation & jacket), temperature rated at 105C.
7. Project 1851873: Types SPT-1, SPT-2 & SPT-3. Compound: Men Wai Plastic Cat No. 8105, clear colour (insulation), temperature rated at 75C & 90C.  
Types NISPT-1, NISPT-2, SVT, SJT & ST. Compound: Men Wai Plastic Cat No. 8105, clear colour (jacket), temperature rated at 75C & 90C.  
Types SJTW & STW. Compound: Men Wai Plastic Cat No. 8105, in all colours except clear and translucent (jacket), temperature rated at 75C & 90C.  
Types SPT-1, SPT-2, SPT-3, SVT, SJT, ST. Compound: Legend Plastic Cat No. EPL-94V, in all colours except clear and translucent, temperature rated at 75C & 90C.
8. Project 1868262: Update all constructions to CSA C22.2 No. 49-06.

### **DESCRIPTION**

#### **Construction**

**ZJCZ.E156136**  
**Flexible Cord**[Page Bottom](#)

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**Flexible Cord**[See General Information for Flexible Cord](#)**SHENZHEN TONGYUAN ELECTRICAL WIRE & CABLE CO., LTD.**

E156136

TONGYUAN INDUSTRY ZONE, XIKENG NEW VILLAGE

FUMIN GUANLAN TOWN, LONGHUA

SHENZHEN, GUAGNDONG 518110 CHINA

**Clock cord**, Type(s) Clock**Decorative cord**, Type(s) CXTW, SPT-1W, SPT-2W, XTW**Jacketed cord**, Type(s) SE, SEO, SEOO, SEOOW, SEOW, SEW, SJE, SJEO, SJEOO, SJEOOW, SJEOW, SJEW, SJT, SJT-R, SJTO, SJTOO, SJTOOW, SJTOW, SJTW, ST, STO, STOO, STOOW, STOW, STW, SVE, SVT, SVT-R**Parallel cord**, Type(s) NISPT-1, NISPT-2, SPT-1, SPT-2, SPT-2-R, SPT-3[Last Updated](#) on 2017-09-08

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# CERTIFICATION RECORD

The company named below has been authorized by CSA International 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: 110486\_0\_000  
 Class No: 5831 01 WIRES Flexible Cord

## SUBMITTOR

Shenzhen Tongyuan Industrial Co.  
 4573384 Ltd.  
 13th Flr Blk F Jinfeng Bldg  
 Shangbu Rd S  
 Shenzhen, Guangdong 518031  
 China

## FACTORIES

Shenzhen Tongyuan Industrial Co.  
 4661884 Ltd.  
 Tongyuan Industry Zone  
 Xikang New Village Fumin  
 Guanlan Township Bao'an District  
 Shenzhen, Guangdong 518110  
 China

March 27, 2007(Replaces:July 23, 2001)

TO THE REQUIREMENTS OF CSA STD. C22.2 NO. 49-06 AND CERTIFICATION NOTICE,  
 WIRE AND CABLE NO. 128:

Type	Max Volt	Size of Conductors (AWG)*	No of Conductors	Insul Type	Jacket Type	Notes
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- Max Temperature Rating 60C:

SPT-1	300	20, 18	2, 3	PVC	-	1, 2, 5
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NISPT-1	300	20, 18	2, 3	PVC	PVC	1, 2, 5
SPT-2	300	18, 16	2, 3	PVC	-	1, 2, 5
NISPT-2	300	18, 16	2, 3	PVC	PVC	1, 2, 5
SPT-3	300	18 to 8	2, 3	PVC	-	1, 2, 5
SVT	300	18, 17, 16	2, 3	PVC	PVC	1, 2, 4
SJT	300	18-10	2 to 6	PVC	PVC	1, 2, 4
ST	600	18-2	2 or more	PVC	PVC	1, 2, 4
SJTW	300	18-10	2 to 6	PVC	PVC	1, 2, 4
STW	600	18-2	2 or more	PVC	PVC	1, 2, 4

• Max Temperature Rating 75C:

SPT-1	300	20, 18	2, 3	PVC	-	1, 2, 5
NISPT-1	300	20, 19	2, 3	PVC	PVC	1, 2, 5
SPT-2	300	18, 16	2, 3	PVC	-	1, 2, 5
NISPT-2	300	18, 16	2, 3	PVC	PVC	1, 2, 5
SPT-3	300	18 to 8	2, 3	PVC	-	1, 2, 5
SVT	300	18, 17, 16	2, 3	PVC	PVC	1, 2, 4
SJT	300	18-10	2 to 6	PVC	PVC	1, 2, 4
ST	600	18-2	2 or more	PVC	PVC	1, 2, 4
SJTW	300	18-10	2 to 6	PVC	PVC	1, 2, 4
STW	600	18-2	2 or more	PVC	PVC	1, 2, 4

• Max Temperature Rating 90C:

SPT-1	300	20, 18	2, 3	PVC	-	1, 2, 5
NISPT-1	300	20, 18	2, 3	PVC	PVC	1, 2, 5
SPT-2	300	18, 16	2, 3	PVC	-	1, 2, 5
NISPT-2	300	18, 16	2, 3	PVC	PVC	1, 2, 5
SPT-3	300	18 to 8	2, 3	PVC	-	1, 2, 3
SVT	300	18, 17, 16	2, 3	PVC	PVC	1, 2, 4
SJT	300	18-10	2 to 6	PVC	PVC	1, 2, 4
ST	600	18-2	2 or more	PVC	PVC	1, 2, 4
SJTW	300	18-10	2 to 6	PVC	PVC	1, 2, 4
STW	600	18-2	2 or more	PVC	PVC	1, 2, 4

• Max Temperature Rating 105C:

SPT-1	300	20, 18	2, 3	PVC	-	1, 2, 5
NISPT-1	300	20, 18	2, 3	PVC	PVC	1, 2, 5
SPT-2	300	18, 16	2, 3	PVC	-	1, 2, 5
NISPT-2	300	20, 18	2, 3	PVC	PVC	1, 2, 5
SPT-3	300	18 to 8	2, 3	PVC	-	1, 2, 5



SVT	300	18, 17, 16	2, 3	PVC	PVC	1, 2, 4
SJT	300	18-10	2 to 6	PVC	PVC	1, 2, 4
ST	600	18-2	2 or more	PVC	PVC	1, 2, 4
SJTW	300	18-10	2 to 6	PVC	PVC	1, 2, 4
STW	600	18-2	2 or more	PVC	PVC	1, 2, 4

\*Conductor sizes in mm<sup>2</sup> also apply as detailed within report.

Notes:

1. In all colours except for clear and transparent.
2. Flame rating - FT2.
3. Deleted.
4. Optional shielding.
5. Insulation type for bonding (grounding) conductor, PVC.

/jj



File E115060

Vol 1C

Auth. Page 1

Issued: 1988-02-10

Revised: 2017-08-04

FOLLOW-UP SERVICE PROCEDURE  
(TYPE L)

UNLISTED COMPONENT

COMPONENTS FOR USE IN

COMPONENT - WIRING HARNESSSES  
(ZPFW2,ZPFW8)

Manufacturer: SEE ADDENDUM FOR MANUFACTURER LOCATIONS

197624 (Party Site)  
Applicant: Volex (Asia) Pte Ltd  
(337951-004) 35 TAMPINES ST 92  
SINGAPORE 528880 SINGAPORE

This Follow-Up Service Procedure authorizes the above Manufacturer(s) to use the marking specified by UL LLC, or any authorized licensee of UL LLC, including the UL Contracting Party, only on products when constructed, tested and found to be in compliance with the requirements of this Follow-Up Service Procedure and in accordance with the terms of the applicable service agreement with UL Contracting Party and any applicable Service Terms. The UL Contracting Party for Follow-Up Services is listed on addendum to this Follow-Up Service Procedure ("UL Contracting Party"). UL Contracting Party and UL LLC are referred to jointly herein as "UL."

UL further defines responsibilities, duties and requirements for both Manufacturers and UL representatives in the document titled, "UL Mark Surveillance Requirements" that can be located at the following web-site: <http://www.ul.com/fus> and in the document titled "UL and Subscriber Responsibilities" that can be located at the following website: <http://www.ul.com/responsibilities>. Manufacturers without Internet access may obtain the current version of these documents from their local UL customer service representative or UL field representative. For assistance, or to obtain a paper copy of these documents or the applicable Service Terms, please contact UL's Customer Service at <http://ul.com/aboutul/locations/>, select a location and enter your request, or call the number listed for that location.

The Applicant and the specified Manufacturer(s) in this Follow-Up Service Procedure must agree to receive Follow-Up Services from UL Contracting Party. If your applicable agreement is a Global Services Agreement ("GSA") with an effective date of January 1, 2012 or later and this Follow-Up Service Procedure is issued on or after that effective date, the Applicant and the specified Manufacturer(s) will be bound to a Service Agreement for Follow-Up Services upon the earliest by any Subscriber of use of the prescribed UL Mark, acceptance of the factory inspection, or payment of the Follow-Up Service fees which will incorporate such GSA, this Follow-Up Service Procedure and the Follow-Up Service Terms which can be accessed by clicking here: <http://www.ul.com/contracts/Terms-After-12-31-2011>. In all other events, Follow-Up Services will be governed by and incorporate the terms of your applicable service agreement and this Follow-Up Service Procedure.

It is the responsibility of the Manufacturer to make sure that only the products meeting the aforementioned requirements bear the authorized Marks of UL LLC, or any authorized licensee of UL LLC.

This Follow-Up Service Procedure contains information for the use of the above Manufacturer(s) and representatives of UL and is not to be used for any other purpose. It is provided to the Manufacturer with the understanding that it will be returned upon request and is not to be copied in whole or in part.

This Follow-Up Service Procedure, and any subsequent revisions, is the property of UL and is not transferable. This Follow-Up Service Procedure contains confidential information for use only by the above named Manufacturer(s) and representatives of UL and is not to be used for any other purpose. It is provided to the Subscribers with the understanding that it is not to be copied, either wholly or in part unless specifically allowed, and that it will be returned to UL, upon request.

Capitalized terms used but not defined herein have the meanings set forth in the GSA and the applicable Service Terms or any other applicable UL service agreement.

UL shall not incur any obligation or liability for any loss, expense or damages, including incidental, consequential or punitive damages arising out of or in connection with the use or reliance upon this Follow-Up Service Procedure to anyone other than the above Manufacturer(s) as provided in the agreement between UL LLC or an authorized licensee of UL LLC, including UL Contracting Party, and the Manufacturer(s).

UL LLC has signed below solely in its capacity as the accredited entity to indicate that this Follow-Up Service Procedure is in compliance with the accreditation requirements.

Bruce A. Mahrenholz  
Director  
North American Certification Program

LOCATION

(342882-001) 175031 (Party Site)  
VOLEX CABLE ASSEMBLY (VIETNAM) CO LTD  
D-5B THANG LONG INDUSTRIAL PARK  
DONG ANH DISTRICT  
HANOI VIETNAM

Factory ID: VH  
UL Contracting Party for above site is: UL AG

(221809-001) 202099 (Party Site)  
PT VOLEX INDONESIA  
JALAN IR SUTAMI, KAWASAN INDUSTRI SEKUPANG  
BATAM 29422 INDONESIA

Factory ID: B  
UL Contracting Party for above site is: UL AG

(918517-001) 21297 (Party Site)  
Volex Cable Assembly (Zhongshan) Co Ltd  
2 Xingda St  
Torch Development Zone  
ZHONGSHAN  
GUANGDONG 528437 CHINA

Factory ID: SM1  
UL Contracting Party for above site is: UL AG

(106395-001) 28615 (Party Site)  
Volex Cable Assembly (Shenzhen) Co Ltd  
VOLEX BLDG  
1173 SHENHUI RD  
BAO'AN, HENGGANG  
SHENZHEN  
GUANGDONG 518115 CHINA

Factory ID: SM  
UL Contracting Party for above site is: UL AG

LOCATION

(788163-001) 65729 (Party Site)  
VOLEX INTERCONNECT (INDIA) PVT LTD  
22-1A 1ST ST  
KHAZURA GARDEN  
NEELANGARAI  
CHENNAI Tamil Nadu 600041 INDIA

Factory ID: VC

UL Contracting Party for above site is: UL India Private Limited

## INDEX

## WIRING HARNESSSES:

Cat. No.	Cord AWG	Sec.	Ill.	Fig.	C-UL
MS127		2	1-4	1	-
1209006019,-6041,-6047,-6102		2	5-10	2	Yes
SR5029		5	1	-	Yes

## BUSHING TYPE:

Note: All are USR - Recognized Terminals, CNR and C-UL or CSA Certified. Prefix letters are intended for mold's previous ownership and have no significance in this Procedure Report unless described or a different Ill. is shown.

## GROMMET:

Cat. No.	Cord AWG	Sec.	Ill.	Fig.	C-UL
G-1,-2	16/3	3	-	18	-
G-11,-12	16/3	3	79,80	22	-
KM30W	10/3	3	-	11	-
KM31	18/3	3	-	12	-
KM31B	14/3	3	-	13	-
PH-789	20-30/Multi	3	73	-	-
PHF-62	18/2	3	33	-	-
PHF-107A	18/2	3	35	-	-
PHF-107B	18/2	3	34	-	-
PHX-213	27/2, 18/2,3	3	54	-	-
PHX-213A	27/2, 18/2,3	3	55	-	-
SR-420	18/2	3	42	-	-
SR-450's (0-13)	18/3	3	37	-	-
SR-450-13	18/3	3	36	-	-
SR-470	18/2	3	30	-	-
SR-471,-1	18/2	3	29	-	-
SR-472	18/2	3	28	-	-
SR-475	18/7	3	27	-	-
SR-480	18/3	3	6	1	-
SR-481	17/2	3	7	-	-
SR-482	18/3	3	8	-	-
SR-488	16/3	3	9	-	-
SR-F/C1229-006	18/3	3	10	-	-
SRMF-168J	18/3	3	51	-	-
5112	16/2,3	3	75	17	-
SR-5020, SR-5021, & SR-5022	None applicable	3	81-83	-	X
5224	18/3	3	-	8	-
5949	16/2	3	-	9	-
5980	16/3	3	-	10	-
5996	18/3	3	74	14	-
5997	18,16,14,12/3	3	76	15	-
5998	18,16,14/3	3	-	16	-
3389955	16/3	3	78	19	-

## STRAIGHT STRAIN RELIEF:

Cat. No.	Cord AWG	Sec.	Ill.	Fig.	C-UL
458, -B	18/2 SVT	3	-	21	-
1500, 920, 921	16/3 SOW	3	-	-	-
EC-764SRL	18/2	3	21	6	-
EC-764SR	18/2	3	22	-	-
DXP-5905	18,16/2,3	3	56	-	-
-5912	18/2,3 16/2,3	3	56	-	-
PH-131, -X	18/2,3 16/2,3	3	57	-	-
PHC-131	18/2,3, 16/2,3	3	58	-	-
PHF-253	18,16/2; 18/3	3	59	-	-
PHF-253C, -D	18,16/2	3	60	-	-
PHX-946	18/2	3	18	-	-
PHX-951	18/2	3	61	-	-
SPHC-945	18/2 SJT, 18/3 & 16/3 SJTW	3	19	-	-
SPHC-864	18/3, 18/2 & 16/3 SJTW	3	20	-	-
SPH-253C	18/2	3	62	-	-
SPHF-919	18/2	3	63	-	-
SPHX-129C	18/3	3	64	-	-
SPHX-295D	18/2	3	65	-	-
SPHX-295E	18/2	3	66	-	-
SPHX-957	16/3	3	67	-	-
SPHX-958	16/2	3	68	-	-
SPHX-959	18/2	3	69	-	-
SR-400's (0-14)	18/3	3	50	-	-
SR-401	18/2	3	48	-	-
SR-401-1	18/3	3	47	-	-
SR-402	18/3	3	46	-	-
SR-403	18/3	3	45	-	-
SR-410	18/3	3	44	-	-
SR-411	18/3	3	43	-	-
SR-411-A	18/3	3	49	-	-
SR-420	18/2	3	-	-	-
SR-430	18/3	3	41	-	-
SR-431	18/3	3	40	-	-
SR-432	18,16/3	3	39	-	-
SR-437	18/2	3	38	-	-
SR-465	18/3	3	31	-	-
SR-460, -1, -2	16/3	3	32	-	-
SR-500-1	16/3	3	-	5	-
SR-525	16/3	3	1	2	-
SR-525-1	16/3	3	2	-	-
SR-525-2	14,12/2	3	3	-	-
SR-530	16/2	3	4	-	-
SR-531	16/3	3	5	-	-
SR-5003	16/3	3	70	-	-
SR-5004	18/3	3	52	7	-
SR-5005	18/3	3	53	7	-
SR-5010	18/3	3	53A	7	-
SR-BI-5494-1	18/3	3	24	-	-
SR-BI-5494	18/3	3	25	-	-
SR-LG951	18/4	3	26	-	-

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## STRAIGHT STRAIN RELIEF (CONT'D):

Cat. No.	Cord AWG	Sec.	Ill.	Fig.	C-UL
SR-WI-9096	18/2	3	23	-	-
16042, AEC-220	18/2	3	-	20	-
AEC-130	14/3	3	-	20	-
403	-	6	1	-	-
107	18/2	6	2	-	-
GM-148A	-	6	3	-	Yes
SR5020	16/3	9	1	1	-
SR5021	18/3	9	2	2	-
SR5022	16/4	9	3	3	-
UG-0001	18/3	3	84	23	Yes
UG-0002	18/3	3	85	24	Yes
UG-0003	18/3	3	86	25	Yes
UG-0004	18/3	3	87	26	Yes
UG-0005	18/2	3	88	27	Yes
UG-0007	18/2	3	89	28	Yes
UG-0008	18/2	3	90	29	Yes
UG-0009	18/2	3	91	30	Yes
UG-0010	18/3	3	92	31	Yes
UG-0006	18/2	3	93	32	Yes
UG-0015	18/3	3	94	33	Yes
UG-0017	14/3	3	95	34	Yes
UG-0022	18/2	3	96	35	Yes
UG-0026	18/2	3	97	36	Yes
UG-0016	18/2	3	98	37	Yes
UG-0019	18/3	3	99	38	Yes
UG-0021	14/3	3	100	39	Yes
UG-0023	18/2	3	101	40	Yes
UG-0025	18/2, 18/3	3	102	41	Yes
UG-0014	16/2	3	103	42	Yes
UG-0027	18/2	3	104	43	Yes
UG-0028	18/3	3	105	44	Yes
UG-0029	18/2	3	106	45	Yes
UG-0030	12/3	3	107	46	Yes
UG-0031	18/2	3	108	47	Yes
GM/092G	18/2	3	109	48	Yes
GM/092H	18/2	3	110	49	Yes
GM/092L	18/2, 16/2	3	111	50	Yes
GM/092Q	18/2	3	112	51	No
GM/092R	18/2	3	113	52	No
UG-0033	14/2	3	114	53	Yes
UG-0034	18/2	3	115	54	Yes
UG-0035	18/2	3	116	55	Yes
UG-0036	18/2	3	117	56	Yes
UG-0037	18/2	3	118	57	Yes
GM/092-013	16, 18/2	3	119	58	Yes
UG-0038	12/3	3	120	59	Yes
<b>UG-0042</b>	<b>14/3</b>	<b>3</b>	<b>121</b>	<b>60</b>	<b>Yes</b>



## STRAIGHT STRAIN RELIEF (CONT'D):

Cat. No.	Cord AWG	Sec.	Ill.	Fig.	C-UL
UG-0044	18/3	3	123	62	Yes
UG-0045	16/3	3	124	63	Yes
<b>UG-0046</b>	<b>18/3</b>	<b>3</b>	<b>125</b>	<b>64</b>	<b>Yes</b>

## ANGLED STRAIN RELIEF:

Cat. No.	Cord AWG	Sec.	Ill.	Fig.	C-UL
SR-MI/84735	18/3	3	11	3	-
SR-478	18/2	3	12	-	-
SR-477	18/3	3	13	-	-
SR-77-91	18/3	3	14	-	-
SR-84907-1	18/3	3	15	4	-
SR-84907-2	18/3	3	17	-	-
PHF-779	18/2	3	16	-	-
PH-131W	18/2	3	71	-	-
SPHX-131	18/2	3	72	-	-
SPHX-938	18/2	3	77	-	-
<b>UG-0043</b>	<b>18/2</b>	<b>3</b>	<b>122</b>	<b>61</b>	<b>Yes</b>

## ATTACHMENT PLUG:

Cat. No.	Cord AWG	Sec.	Ill.	Fig.	C-UL
664A	18/2	7	1	1	-
664L	18/2	7	1A	1	-
PHC-780D	18/3	7	2	2	-
AEC110-1	18/2	7	3, 4, 5, 6	3	Yes
PL-3006	16/4	10	1~4	1	-
PL-3008	16/4	10	5, 6	2	-

## CORD CONNECTOR:

Cat. No.	Cord AWG	Sec.	Ill.	Fig.	C-UL
744	16/2, 18/2	8	1, 2	1	-
PHC-780A	18/3	8	3	-	-
PH-707A	18/2	8	5	2	-
856	18/2	8	6	3, 4	-
CN-4007	18/3 AWG, Type SJT + 16/4 AWG, Type SJT + No. 16/3 AWG, Type SPT-2 + No. 16/1, Style 1015 AWM	11	1, 2	1	-
CN-4008	18/3	11	3~6	2	-
CN-4009	16/4	11	7~10	3	-
CN-4010	16/5	11	11~15	4	-