# 納入仕樣書 SPECIFICATION

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仕樣書番號 No.

Customer

U5467

Rev No. 01

發行日期 Date

2014年06月17日

品名

RoHS PVC Jacket Cord

**Part Name** 

規格

**SJT #14X3C 105°C Black** 

Part Spec.

承認印

Approval Signature

 承
 場標



大興電線電纜股份有限公司 TA HSING Electric Wire & Cable Co., Ltd.

Spec	U5467	承認書修訂履歷表	修訂	單位
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NO.	西元.月.日.	修訂內容	擔當	承 認
$\triangle$	2014.06.17	<ol> <li>客戶名稱變更為 IEWC Germany GmbH Page:封面</li> <li>導體標稱變更,原 線數/線徑 41/0.254mm =&gt;導體電阻 9.057Ω/km以下 Page: 1</li> <li>印字變更 Page: 1</li> </ol>	蕭阿鸞	吳順忠

### Spec No.U5467

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Construction	1-2
Safety Certification	3-6

## **SPECIFICATION**

1. Subject: UL & CSA type RoHS PVC jacket cord

2. Construction & size:

Type Max. voltage File No.

2-1 Cord SJT 300V UL E56356 CSA LL38816

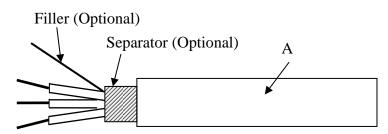
2-2 Construction:

UL & CSA type: SJT Max temp.: 105°C Max voltage: 300V No. of conductor: 3

Conductor		PVC insulation			PVC jacket		
AWG	Conductor	Min. average	Min. thickness	O.D.	Min. average	Min. thickness	O.D.
/No	resistance test $(20^{\circ}\text{C}) \triangle$	thickness	at any point	mm	thickness	at any point	mm
14/3	9.057 Ω/km max.	30 mils 0.76 mm	27 mils 0.68 mm	±0.1 3.45	30 mils 0.76 mm	24 mils 0.61 mm	±0.2 9.15

Conductor: Bare annealed copper wire.

3. Marking: 🛆



A: (UL) SJT E56356 VW-1 105℃ 300V 14AWGX3C TA HSING CSA SJT 105℃ 300V LL38816 3X2.08mm²(14AWG) FT2 LF

4. Insulation Color: Black, Red & Yellow/Green

Jacket: Black (050)

5. Method to examination: According to UL 62 & CSA 22.2 NO.49 & RoHS.

6. Electrical properties:

ITI	RESULT		
Dielectric-strength test In the air		All specimen shall withstand 2000V for one	
	25±5°C / 1 minute	minute without break down.	
Spark test	All specimen shall withstand 6000V for 0.15		
		second without break down.	
Insulation resistance test (20°C)	Not less than 2.5 megohms. 1000Feet.		

7. Physical properties:

	ITEM		RESULT	
	Unaged	Tensile-strength	1500psi or 1.05 kgf/mm <sup>2</sup> min.	
Tensile strength and		Elongation	100% min.	
Elongation of insula-	Aged in a full draft cir-	Tensile-strength	Min. acceptable 85% of the result with	
tion	culation air oven at		unaged specimen	
	136°C/168 hrs.	Elongation	Min. acceptable 65% of the result with	
			unaged specimen	
	Unaged	Tensile-strength	1500psi or 1.05 kgf/mm <sup>2</sup> min.	
Tensile strength and		Elongation	100% min.	
Elongation of jacket	Aged in a full draft cir-	Tensile-strength	Min. acceptable 85% of the result with	
	culation air oven at		unaged specimen	
	136°C/168 hrs.	Elongation	Min. acceptable 45% of the result with	
			unaged specimen	
Heat shock test	Sample to be tightly wou	and for six complete	The sample shall not show any crack	
	turns around a mandrel v	which have the 28.6	either on the surface or internality.	
	mm diameter.			
	Than place in circulating a	air oven temperature:		
	$121^{\circ}\text{C}\pm1^{\circ}\text{C}$ for one hour.			
Deformation test	Oven temp.: $121^{\circ}\text{C} \pm 1^{\circ}\text{C} / 1$	l hr.	The thickness of sample shall not de	
	weight.: 500g Insulation, 2	2000g Jacket	crease more than 50%.	
Cold bend test	Sample have been subject	t to a temperature of	The sample shall not show any crack	
	$-20^{\circ}\text{C}\pm1^{\circ}\text{C}$ for 4 hours and	I then tightly wound,	either on the surface or internality.	
	for six complete turns are	ound a mandrel have		
	19mm diameter while at a	bove temperature.		
Flame test	VW-1		Specimen continues to flame no longe	
			than 60 seconds after any application	
			and no burning particle or drips shall	
			fall from the sample.	
Soluble heavy metal content.	As per RoHS for Lead of	content.	1000ppm (Max.)	



### ZJCZ.E56356 Flexible Cord

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#### Flexible Cord

See General Information for Flexible Cord

TA HSING ELECTRIC WIRE & CABLE CO LTD

E56356

NO. 23 CHENG-TIEN ROAD TU-CHENG NEW TAIPEI, 23674 TAIWAN

Clock cord, Type(s) Clock

Decorative cord, Type(s) CXTW, SPT-1W, SPT-2W, XTW

 $\textbf{Dryer and range cord}, \ \mathsf{Type}(s) \ \mathsf{SRDT}$ 

Heater cord, Type(s) HPN, HPN-R, HSJ, HSJ-R, HSJO, HSJOO

Jacketed cord, Type(s) S, SE, SEO, SJ, SJE, SJEO, SJEOW, SJEW, SJO, SJOOW, SJOOW, SJOW, SJT, SJTOO, SJTOOW, SJTOW, SJTW, SJTW-R, SO, SOO, SOOW, SOW, ST, STO, STOO, STOOW, STOW, STW, SV, SVE, SVEO, SVO, SVOO, SVT, SVTO, SVTOO

Parallel cord, Type(s) NISPT-1, NISPT-2, SP-2, SP-3, SPT-1, SPT-2, SPT-2-R, SPT-3

Tinsel cord, Type(s) TPT, TST

Trademark and/or Tradename: "E56356", "TA HSING"

Last Updated on 2013-09-26

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### CERTIFICATION RECORD

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File No: 038816\_0\_000

Class No: 5831 01 WIRES Flexible Cord

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Ta Hsing Electric Wire & Cable Co.,

Ltd.

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Tu-Cheng Hsiang Taipei Hsien, 236

Taiwan

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China

May 17, 2010 (Replaces: August 1, 2008)

### TO THE REQUIREMENTS OF CSA STANDARD C22.2 NO 49-06:

Rated Size of

Voltage Conductors No of Insul Jacket

Type	(V)	(AWG)*	Conductors	Type	Type	Notes		
• Temperature rating 60C:								
SPT-1	300	20, 18	2, 3	PVC	-	1, 2, 3,11		
NISPT-1	300	18	2	PVC	PVC	1,2,7,10		
SPT-2	300	18, 16	2, 3	PVC	-	1, 2, 3,7,11		
NISPT-2	300	18,16	2	PVC	PVC	1,2,7,10		
SPT-3	300	18-10	2, 3	PVC	-	1, 2, 3		
SVT, SVTO, SVTOO	300	18, 17, 16	2, 3	PVC	PVC	1, 2, 6		
SJT, SJTO, SJTOO	300	18-10	2-6	PVC	PVC	1, 2, 6		
ST, STO, STOO	600	18-2	2 or more	PVC	PVC	1, 2, 6		
TX	125	20	2	PVC	-	1, 2		
PXT	125	20	2	PVC	-	1, 2		
TPT	300	27	2	PVC	-	1, 2, 9		
SJ	300	18-10	2-6	CSM	CPE	1, 2, 9		
SJTW	300	18-10	2-6	PVC	PVC	1, 2, 12		
STW	600	18-2	2 or more	PVC	PVC	1, 2, 12		
• Tem	perature ratir	ng 90C:						
HPN	300	18, 16	2, 3	CPE	-	2, 4, 8		
HPN	300	14-18	2	CR	-	2, 5		
SJO, SJOO	300	18-10	2-6	CSM	CPE	1, 2, 9		
• Tem	perature ratir	ng 105C:						
SPT-1	300	20, 18	2, 3	PVC	-	1, 2, 3,7,11		
NISPT-1	300	18	2	PVC	-	1,2,7, 10		
SPT-2	300	18, 16	2, 3	PVC	-	1, 2, 3,7,11		
NISPT-2	300	18,16	2	PVC	-	1,2,7, 10		
SPT-3	300	18-10	2, 3	PVC	-	1, 2, 3, 7		
SVT, SVTO, SVTOO	300	18, 17, 16	2, 3	PVC	PVC	1, 2, 6		
SJT, SJTO, SJTOO	300	18-10	2-6	PVC	PVC	1, 2, 6		
ST, STO, STOO	600	18-2	2 or more	PVC	PVC	1, 2, 6		
HPN	300	18, 16	2, 3	CPE	-	1, 2, 4		
SJTW	300	18-10	2-6	PVC	PVC	1, 2,12		
STW	600	18-2	2 or more	PVC	PVC	1,2,12		
*mm <sup>2</sup> condu	uctor sizes als	so apply						

### Notes:

- 1. In all colours except for clear and translucent.
- 2. Flame classification FT2.
- 3. Insulation type for bonding (grounding) conductor, PVC.
- 4. Insulation type for bonding (grounding) conductor, CPE.
- 5. Insulation type for bonding (grounding) conductor, CR.
- 6. Optional shielding.
- 7. May be in coiled form.
- 8. In dark colours only.
- 9. Flame classification FT1.
- 10. Non-integral construction.
- 11. In all colours including clear and translucent (see report for compound designation).
- 12. Low temperature rating -40C

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