

TO SAMPLE AND FORWARD TO THE TEST OFFICE WITHIN 5 WORKING DAYS

F 140643

TYPE R FILE VOL. SECTION PAGE or ILL. ITEM

TYPE L E313867 1 2. 签发: -

MIP SUBSCRIBER NO. WORK ORDER NO./ACCT. CCN

100030-765 R10062 01 ZJCZ

TAG NO. OF ORIGINAL SAMPLE

REPLACEMENT NO. OF SAMPLES DATE INSPECTED DATE MFR'D. PART NO. and PARA.

70 Ft 2014.4.23 2014.4.23 176

SPECIAL REVIEWING OFFICE INSP. CTR. NO. FIELD REP. NO. SPECIAL LETTER DATE

Suzhou 325 31439 -

HOLD LOT IDENTIFICATION per PROCEDURE (TYPE, CAT. NO., COMPOUND DESIGNATION, ETC.)

Flexible cord type: SJT

WITH MSDS TEMP. RATING COLOR SIZE OR RATING LOT NO.

3/c 18AWG 105°C 300V VW-1 -

CHECK HERE IF YOU WRITE REMARKS ON REVERSE SIDE OF TAG

SUPPLEMENTAL INFORMATION ON WIRE-CORD-CABLE

C-UL

OIL at _____ C

ALSO AWM at _____ C

GASOLINE

W or SUNLIGHT RES.

MOISTURE RES.

VW-1, VW-1S or VW-1SC

SELED CONDUCTORS

FURTHER PROCESSING

A RELATIVE PERM.

MONTHLY QUARTERLY SEMI-ANNUAL ANNUAL

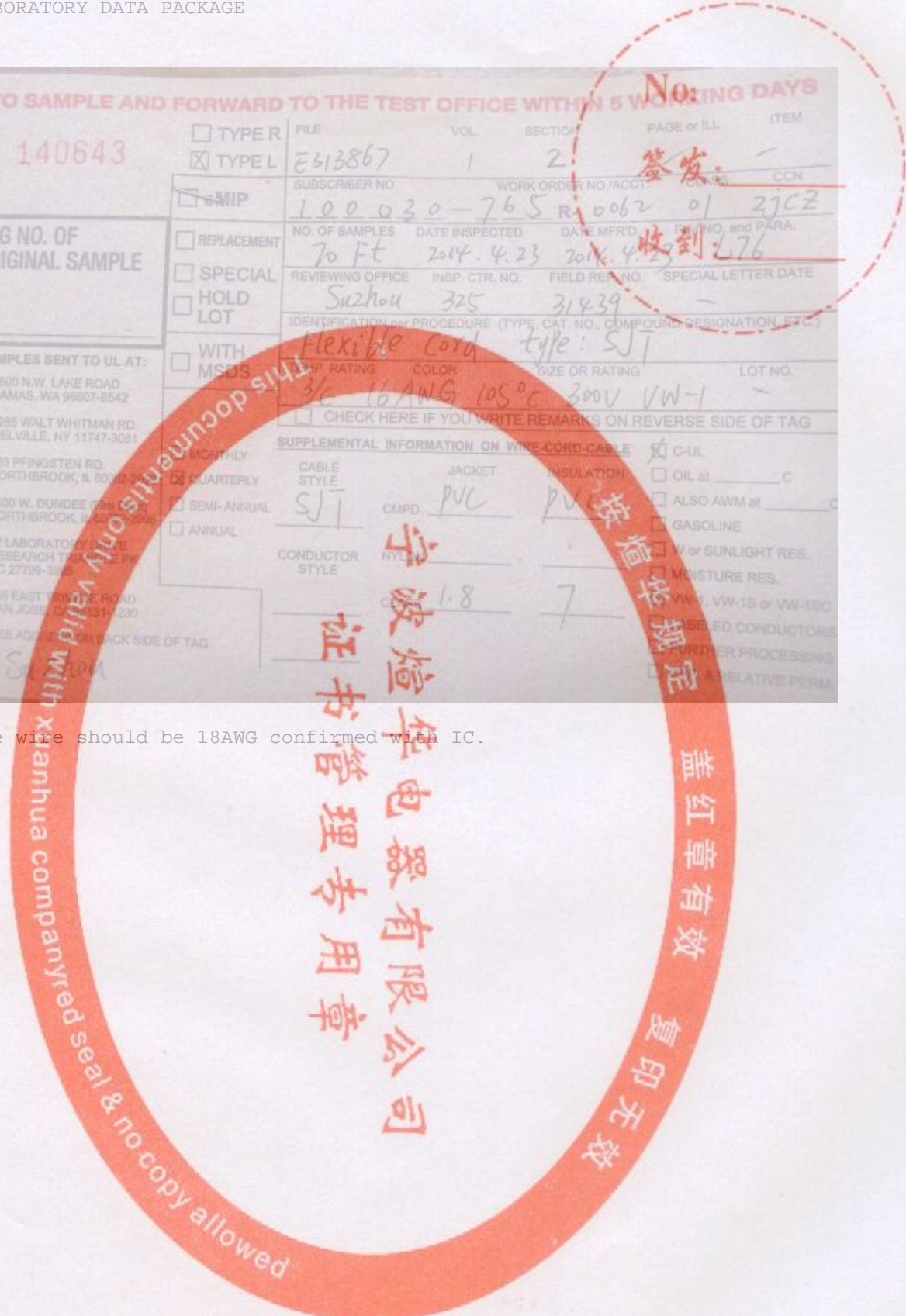
CABLE STYLE SJT JACKET PVC INSULATION PVC

CONDUCTOR STYLE NYLON

1.8 7

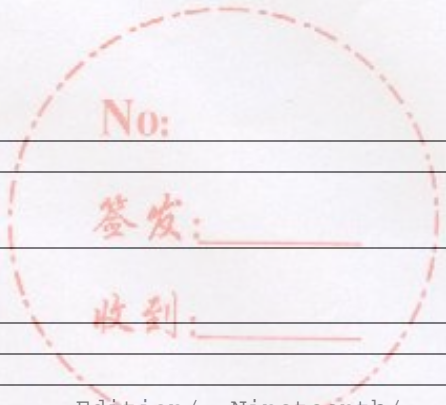
See address on back side of tag

The wire should be 18AWG confirmed with IC.



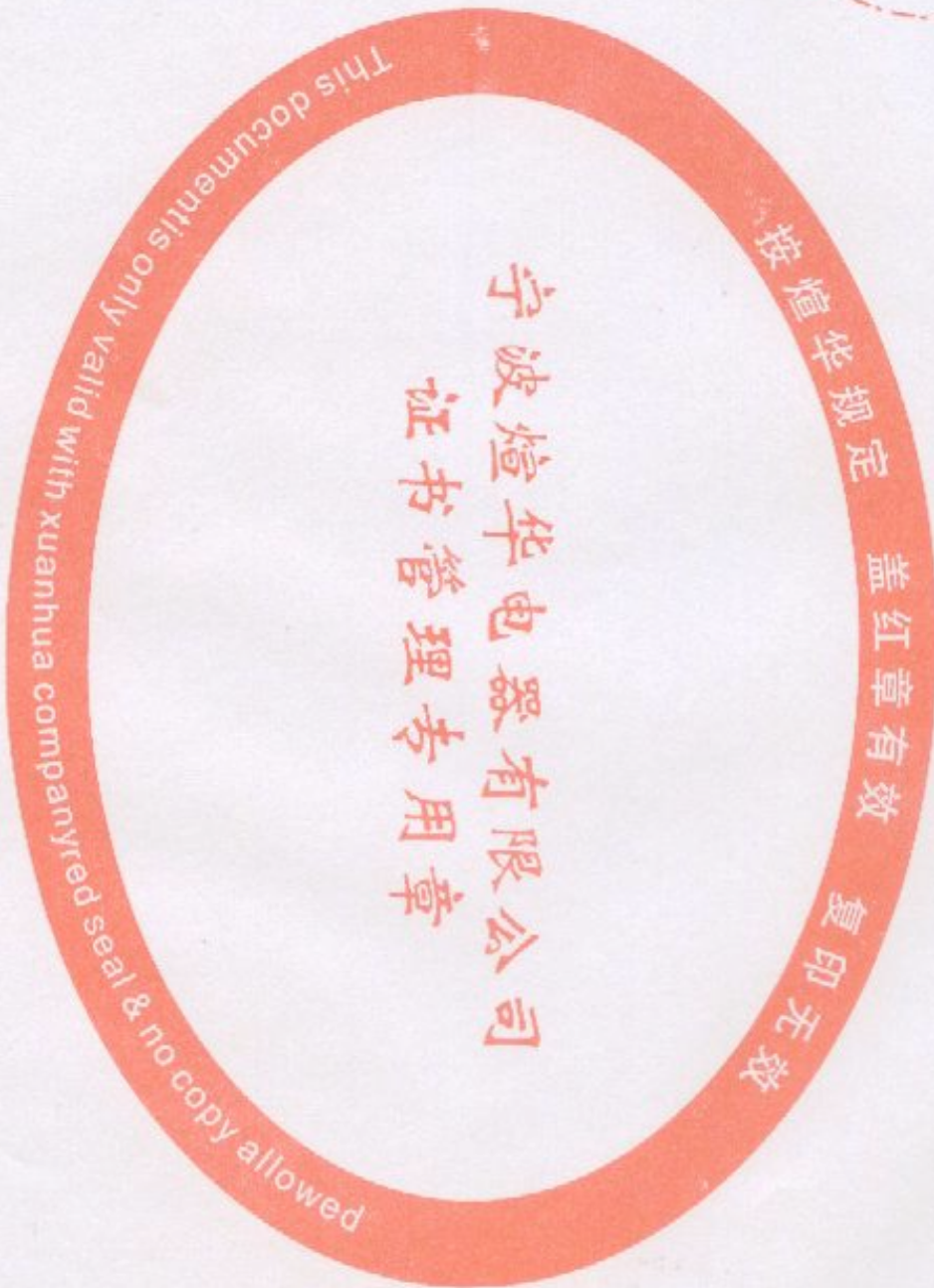
Number of pages in this package 14
(Fill in when using printed copy as record)

CLIENT INFORMATION	
Manufacturer Name	NINGBO XUANHUA ELECTRIC CO LTD
Manufacturer Subscriber No.	100030-765



AUDIT INFORMATION:			
<input checked="" type="checkbox"/> Description of Tests	Per Standard No.	<input checked="" type="checkbox"/> UL 62	Edition/ Revision date
			Nineteenth/ 2014-03-14
		<input type="checkbox"/> UL 2556	Third/ 2013-03-22
		<input checked="" type="checkbox"/> CSA C22.2 No. 49	Fourteenth/ 2014-03
		<input type="checkbox"/> UL 507	Ninth/ 2010-04-20
		<input type="checkbox"/> UL 1042	Fifth/ 2010-06-16
		<input type="checkbox"/> UL 1278	Third/ 2010-06-16
<input type="checkbox"/> Tests Conducted by +	-	-	-
	Printed name		Signature
<input type="checkbox"/> UL Staff conducting or witnessing testing (WTDP, TMP, WMT only)	-	-	-
<input type="checkbox"/> UL Staff supervising UL Staff in training	-	-	-
<input type="checkbox"/> Authorized Signatory (CTDP, TPTDP, TCP, PPP, SMT)	Printed name		Signature. Include date for CTDP, TPTDP, TCP, PPP, WMT, TMP, SMT
Reviewed and accepted by qualified Project Handler	-	Jessie Wu	
	Printed Name		Signature

TESTS TO BE CONDUCTED:			
Test No.	Done +++	Test Name	<input type="checkbox"/> Comments/Parameters <input checked="" type="checkbox"/> Tests Conducted by ++
1	X	PHYSICAL PROPERTIES	Jerry Shen/ Jerry Shen
2	X	MECHANICAL STRENGTH	Randy Wang/ Randy Wang
3	X	VERTICAL FLAME TEST - VW-1 OR FV2	Randy Wang/ Randy Wang
4	X	VERTICAL FLAME TEST - FT1 OR FV1	Randy Wang/ Randy Wang



Instructions -

+ - When all tests are conducted by one person, printed name and signature can be inserted here instead of including printed name and signature on each page containing data. Must indicate number of pages in the data package.
++ - When test conducted by more than one person, printed name and signature of person conducting the test can be inserted next to the test name instead of including printed name and signature on each page containing data. Test dates may be recorded here instead of entering test dates on the individual datasheet pages. Must indicate number of pages in the data package.
+++ - Use of this field is optional and may be employed differently. If used to include a date instead of entering the testing date on the individual datasheet pages, the date shall be the date the test was conducted.

Special Instructions

[x] It shall be permitted to use a mandrel with a smaller size for heat shock, cold bend & flexibility test. If nonconforming results are obtained, a mandrel as specified on these data sheets shall be used.

Unless specified otherwise in the individual Methods, the tests shall be conducted under the following ambient conditions. Confirmation of these conditions shall be recorded at the time the test is conducted.

Ambient Temperature, C 23±5 Relative Humidity, % <70 Barometric Pressure, mBar N/A

[x] No general environmental conditions are specified in the Standard(s) or have been identified that could affect the test results or measurements. Refer to individual test method for the requirement of ambient condition.

RISK ANALYSIS RELATED TO TESTING PERFORMANCE:

The following types of risks have been identified. Take necessary precautions. This list is not all inclusive.

<input type="checkbox"/> Electric shock	<input type="checkbox"/> Radiation
<input type="checkbox"/> Energy related hazards	<input type="checkbox"/> Chemical hazards
<input checked="" type="checkbox"/> Fire	<input checked="" type="checkbox"/> Noise
<input checked="" type="checkbox"/> Heat related hazards	<input type="checkbox"/> Vibration
<input checked="" type="checkbox"/> Mechanical	<input checked="" type="checkbox"/> Other (Specify) occupational injury

To Lab Staff:

Refer to the below table for the unit conversion on the following datasheet.

1 mm = 0.03937 inch
1 KN = 224.8089lbf

Tested by: _____

Date _____

Printed Name

Signature

TEST LOCATION: (To be completed by Staff Conducting the Testing)													
<input checked="" type="checkbox"/>	UL or Affiliate	<input type="checkbox"/>	WTDP	<input type="checkbox"/>	CTDP	<input type="checkbox"/>	TPTDP	<input type="checkbox"/>	WMT	<input type="checkbox"/>	TMP	<input type="checkbox"/>	SMT
Company Name		UL-CCIC Company Limited											
Address		2, Chengwan Road, Suzhou Industrial Park, Suzhou 215122, China											

TEST EQUIPMENT INFORMATION

Inst. ID No.	Instrument Type	Test Number +, Test Title or Conditioning	Function /Range	Last Cal. Date	Next Cal. Date
-	-	-	-	-	-

+ - If Test Number is used, the Test Number must be identified on the data sheet pages or on the Data Sheet Package cover page.

The following additional information is required when using client's or rented equipment, or when a UL ID Number for an instrument number is not used. The Inst. ID No. below corresponds to the Inst. ID No. above.

Inst. ID No.	Make/Model/Serial Number/Asset No.
-	-

UL test equipment information is recorded on Meter Use in UL's Laboratory Project Management (LPM) database.

TEST SAMPLE IDENTIFICATION:

The table below is provided to establish correlation of sample numbers to specific product related information. Refer to this table when a test identifies a test sample by "Sample No." only.

Sample Card No.	Date Received	<input checked="" type="checkbox"/> Test No.	Sample No.	Manufacturer, Product Identification and Ratings
1865376	2014-04-29	1-4	W1-W16	Referred to the attached sample tag

+ - If Test Number is used, the Test Number or Numbers the sample was used in must be identified on the data sheet pages or on the Data Sheet Package cover page.

Sampling Procedure -

This document contains data using color and if printed, should be printed in color to retain legibility and the information represented by the color.

Project No. F140643

File E313867

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Tested by:

Printed Name

Signature

Date

2014-05-13~
2014-05-21

PHYSICAL PROPERTIES:

UL 62 and CSA C22.2 No. 49, Clauses 5.1.1

Sample Card No.:	1865376	Sample No.:	W1
Material:	PVC	Ins/Jkt:	Ins.
Ambient Temp.:	23°C	Humidity:	55% RH

Ambient Temperature Requirement : 24 ± 8 °C				
Sample Type:	<input checked="" type="checkbox"/> Insulation	<input type="checkbox"/> Jacket		
Sample Preparation:	<input checked="" type="checkbox"/> Tubular	<input type="checkbox"/> Die Cut	<input type="checkbox"/> Buffed	<input type="checkbox"/> Planed
Speed of Separation:	20 Inches Per Minute			
Actual Speed of Separation:	20 Inches Per Minute			
Conditioning: <input checked="" type="checkbox"/> Unaged				
Specimen No.				
	1	2*	3*	4*
O.D., mils.	109.1	-	-	-
Cond dia, mils.	51.3	-	-	-
Area, in ²	-	-	-	-
Peak load, lbf	17.85	-	-	-
Tensile strength, lbf/in ²	2450.8	-	-	-
Bench marks broke at, in.	3.87	-	-	-
Elongation, percent	287	-	-	-
	Results	Results of *	Requirement	
Average tensile strength, lbf/in ²	2450.8	-	Min. 1500	
Average elongation, percent	287	-	Min. 100	

All Specimens were broken within gauge mark. J.S. 2014-05-21

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Tested by:

Date

2014-05-13~
2014-05-21

Printed Name

Signature

PHYSICAL PROPERTIES:
(CONT'D)

UL 62 and CSA C22.2 No. 49, Clauses 5.1.1

No:

签发:

Sample Card No.:	1865376	Sample No.:	W2.W3
Material:	PVC	Ins/Jkt:	Ins.
Ambient Temp.:	23°C	Humidity:	55% RH

Conditioning:					
[X] After 7 Days In Air Oven at 136 °C					
[] After Hrs / Days in IRM902 Oil at °C					
Test Start Date/Time:			2014-05-13/17:00		
Test End Date/Time:			2014-05-20/17:00		
Actual Aging Temperature:			136°C		
Specimen No.					
	1	2	3*	4*	5*
O.D., mils.	109.1	109.1	-	-	-
Cond dia, mils.	51.3	51.3	-	-	-
Area, in ²	-	-	-	-	-
Peak load, lbf	18.83	19.07	-	-	-
Tensile strength, lbf/in ²	2586.2	2618.7	-	-	-
Bench marks broke at, in.	3.61	3.24	-	-	-
Elongation, percent	261	224	-	-	-
	Results	Results of *	Requirement		
Average tensile strength, lbf/in ²	2602.5	-	--		
Percent of original	106.2	-	Min. 85		
Average elongation, percent	242.5	-	--		
Percent of original	84.5	-	Min. 65		

All Specimens were broken within gauge mark. J.S. 2014-05-21

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File E313867

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Tested by:

Date

2014-05-13~
2014-05-21

Printed Name

Signature

PHYSICAL PROPERTIES:

UL 62 and CSA C22.2 No. 49, Clauses 5.1.2

Sample Card No.:	1865376	Sample No.:	W4		
Material:	PVC	Ins/Jkt:	Jkt.	Color:	Black
Ambient Temp.:	23°C	Humidity:	55% RH		

Ambient Temperature Requirement: 24 ± 8 °C				
Sample Type:	<input type="checkbox"/> Insulation	<input checked="" type="checkbox"/> Jacket		
Sample Preparation:	<input type="checkbox"/> Tubular	<input checked="" type="checkbox"/> Die Cut	<input type="checkbox"/> Buffed	<input type="checkbox"/> Planed
Speed of Separation:	20 Inches Per Minute			
Actual Speed of Separation:	20 Inches Per Minute			
Conditioning: <input checked="" type="checkbox"/> Unaged				
Specimen No.				
	1	2*	3*	4*
width of die, mils.	250.0	-	-	-
thickness of die, mils.	31.5	-	-	-
Area, in ²	-	-	-	-
Peak load, lbf	21.07	-	-	-
Tensile strength, lbf/in ²	2676.2	-	-	-
Bench marks broke at, in.	3.82	-	-	-
Elongation, percent	282	-	-	-
	Results	Results of *	Requirement	
Average tensile strength, lbf/in ²	2676.2	-	Min. 1500	
Average elongation, percent	282	-	Min. 100	

All Specimens were broken within gauge mark. J.S. 2014-05-21

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Tested by:

Date

2014-05-13~
2014-05-21

Printed Name

Signature

PHYSICAL PROPERTIES:
(CONT'D)

UL 62 and CSA C22.2 No. 49, Clauses 5.1.2

Sample Card No.:	1865376	Sample No.:	W5.W6		
Material:	PVC	Ins/Jkt:	Jkt.	Color:	Black
Ambient Temp.:	23°C	Humidity:	55% RH		

Conditioning:					
<input checked="" type="checkbox"/> After 7 Days In Air Oven at 136 °C					
<input type="checkbox"/> After Hrs / Days in IRM902 Oil at _____ °C					
Test Start Date/Time: 2014-05-13/17:00					
Test End Date/Time: 2014-05-20/17:00					
Actual Aging Temperature: 136°C					
Specimen No.					
	1	2	3*	4*	5*
width of die, mils.	250.0	250.0	-	-	-
thickness of die, mils.	31.5	31.5	-	-	-
Area, in ²	-	-	-	-	-
Peak load, lbf	26.61	24.68	-	-	-
Tensile strength, lbf/in ²	3378.7	3134.1	-	-	-
Bench marks broke at, in.	2.81	2.80	-	-	-
Elongation, percent	181	180	-	-	-
	Results	Results of *	Requirement		
Average tensile strength, lbf/in ²	3256.4	-	--		
Percent of original	121.7	-	Min. 85		
Average elongation, percent	180.5	-	--		
Percent of original	64.0	-	Min. 45		

All Specimens were broken within gauge mark. J.S. 2014-05-21

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Tested by:

Printed Name

Signature

Date

2014-05-22

MECHANICAL STRENGTH

UL 62 and CSA C22.2 No. 49, Clause 5.1.4

Sample Card No.:	1865376	Sample No.:	W7
Material:	PVC	Jacket:	--
Ambient Temp.:	22 °C	Humidity:	59 % RH
		Color:	Black

<input checked="" type="checkbox"/> Dead Weight Method		<input type="checkbox"/> Tensile Testing Machine Method	
Applied force, lb.			150
Actual force applied, lb.			150
Requirement: There shall be no breaking of grounding or circuit conductors.			
RESULTS			
		Specimen # 1	
Were there any broken conductors?		{Yes}	[No]

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Tested by:

Printed Name

Signature

Date

2014-05-22

VERTICAL FLAME TEST - VW-1 OR FV2 UL 62 and CSA C22.2 No. 49, Clause 5.1.5.4

Sample Card No.:	1865376		Sample No.:	W8-W10	
Material:	PVC	Ins./Jkt.:	Ins.	Color:	Black
Ambient Temp.:	23 °C		Humidity:	51 % RH	

Requirement: There shall be no ignition of cotton, burns shall not exceed 60 sec, and no more than 25% of the indicator flag shall be consumed.

	Specimen		
	# 1	# 2	# 3
Duration after 1st application (sec)	1	1	1
Duration after 2nd application (sec)	1	0	1
Duration after 3rd application (sec)	0	0	0
Duration after 4th application (sec)	0	0	0
Duration after 5th application (sec)	0	0	0
Percent of indicator flag burned	0	0	0
Cotton ignition?	{Yes} [No]	{Yes} [No]	{Yes} [No]

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Tested by:

Printed Name

Signature

Date

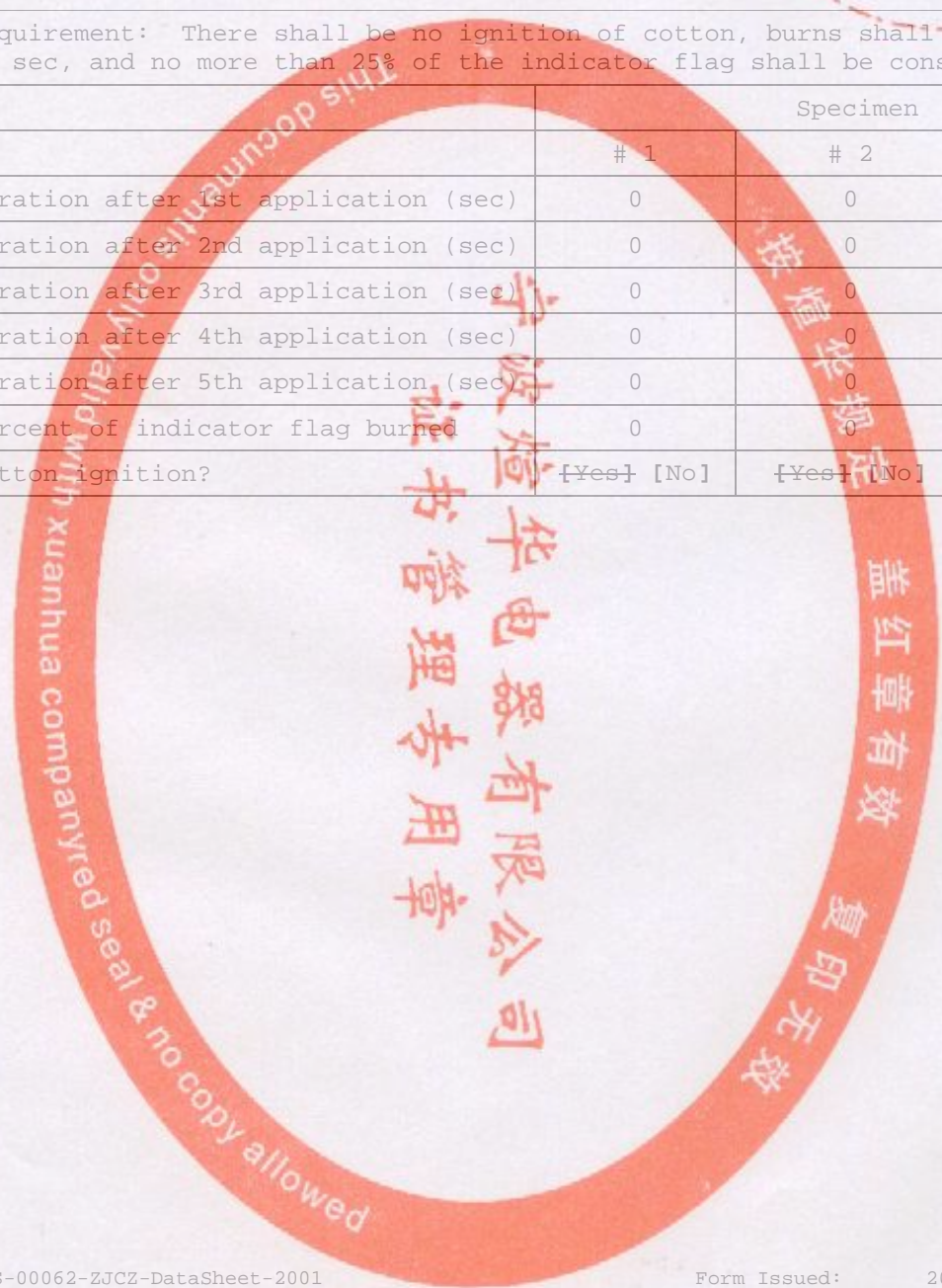
2014-05-22

VERTICAL FLAME TEST - VW-1 OR FV2 UL 62 and CSA C22.2 No. 49, Clause 5.1.5.4

Sample Card No.:	1865376	Sample No.:	W11-W13		
Material:	PVC	Ins./Jkt.:	Jkt.	Color:	Black
Ambient Temp.:	23 °C		Humidity:	51 % RH	

Requirement: There shall be no ignition of cotton, burns shall not exceed 60 sec, and no more than 25% of the indicator flag shall be consumed.

	Specimen		
	# 1	# 2	# 3
Duration after 1st application (sec)	0	0	0
Duration after 2nd application (sec)	0	0	0
Duration after 3rd application (sec)	0	0	0
Duration after 4th application (sec)	0	0	0
Duration after 5th application (sec)	0	0	0
Percent of indicator flag burned	0	0	0
Cotton ignition?	{Yes} [No]	{Yes} [No]	{Yes} [No]



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Tested by: _____

Date

2014-05-22

Printed Name

Signature

VERTICAL FLAME TEST - FT1 OR FV1 UL 62 and CSA C22.2 No. 49, Clause 5.1.5.1

Sample Card No.:	1865376	Sample No.:	W14-W16		
Material:	PVC	Ins./Jkt.:	Jkt.	Color:	Black
Ambient Temp.:	23 °C		Humidity:	51 % RH	

Requirement: Burns shall not exceed 60 sec, and more than 25% of the indicator flag shall not be consumed.

[] Note: Conduct Vertical Flame Test - FT1 OR FV1 only when Vertical Flame Test - VW-1 or FV2 fails.

	Specimen		
	# 1	# 2	# 3
Duration of specimen flaming after 5 th flame application (sec.)	0	0	0
Dripping of flaming particles	Yes / No	Yes / No	Yes / No
Percent of indicator flag burned	0	0	0

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Tested by:

Printed Name

Signature

Date

2014-05-22

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