

# SPECIFICATION

FOR

NORTH-AMERICAN POWER SUPPLY CORDSET (PB FR)

CORD : SJT 18/3 105°C PVC LEAD FREE

CUSTOMER : VPE/FARNELL

CUSTOMER'S PART No. : 1651014

VOLEX'S SPEC. REF. No. : 143024/7

ISSUE No. : 003

DATE : 10TH MARCH 2021

CUSTOMER APPROVED :

APPROVED BY :	
SIGNATURE :	
APPROVED DATE :	
No. OF PAGES :	



*Volex (Asia) Pte Ltd*

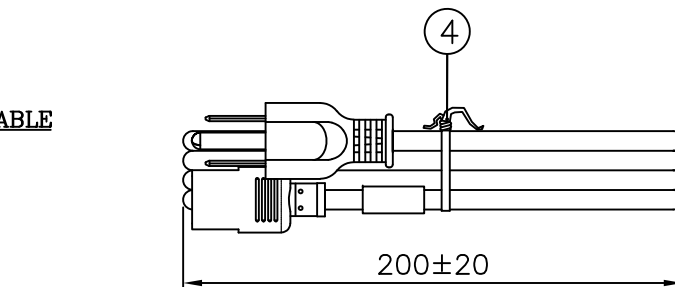
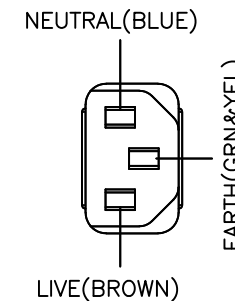
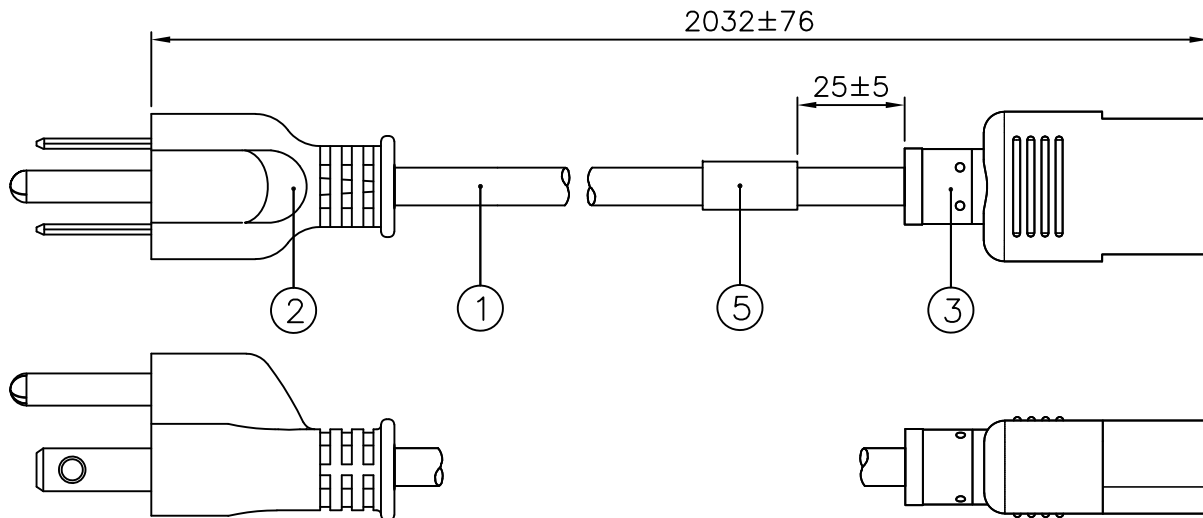
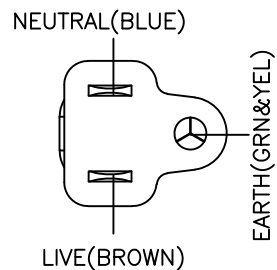
35 Tampines St. 92

Singapore 528880

Tel : (65) 6788 7833

Fax : (65) 6788 7822





**APPROVED SOURCE FOR CABLE**

1. VOLEX (TA HSING).
2. BAO HING(SHENZHEN).

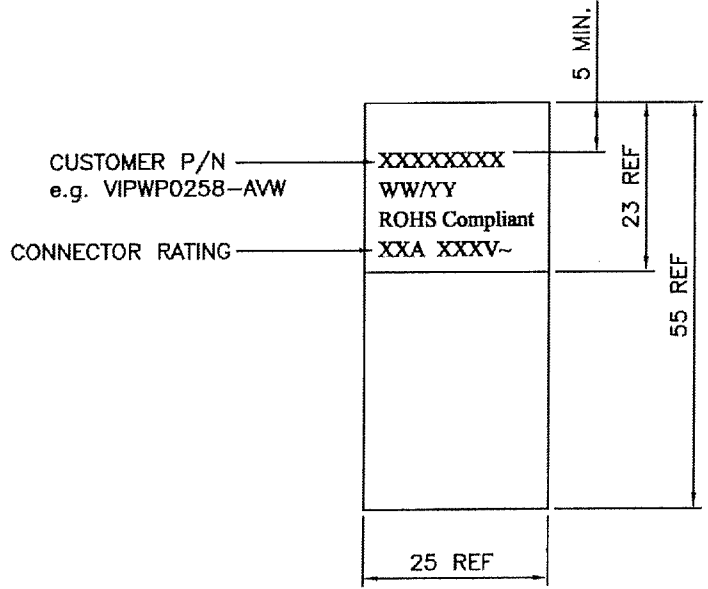
**NOTE :**

1. ALL DIMENSIONS IN mm.
2. THE CORD SHALL COMPLY WITH NMX-J-436-ANCE + CSA C22.2 NO.49 + UL 62.
3. THE MOLDED PLUG CONNECTOR SHALL COMPLY WITH UL498 & UL817 & CSA C22.2 NO.21-95.
4. THE MOLDED CONNECTOR SHALL COMPLY WITH UL 60320-1 AND CSA C22.2.NO. 60320-1.
5. LABEL DETAILS : REFER TO LABEL DRAWING NO. : VL-0356.
6. CARTON BOX MUST HAVE A LABEL/STAMP SAYING : "THIS PACKAGE CONTAINS CORDS HAVING GROUNDING CONDUCTOR WITH GREEN/YELLOW COLOUR INSULATION, NEUTRAL CONDUCTOR WITH BLUE COLOUR INSULATION AND LIVE CONDUCTOR WITH BROWN COLOUR INSULATION".
7. THIS PART CAN BE MANUFACTURED AT ANY LOCATION WHICH HAS SAFETY APPROVAL.
8. THIS PART ONLY HAS UL/C-UL APPROVAL.


5	PRINTED LABEL	VL-0356	1
4	6" PE TIE BLK	6310056	1
3	IP40G NL792B BLK	4100017	-
	MOLDED CONNECTOR VNBC13S (10A 125V)	VNBC13S-4	1
2	IP40G NL792B BLK	4100017	-
	MOLDED PLUG US15S3 (10A 125V)	US15S3	1
1	SJT 18/3 105°C BBGY BLK PVC LEAD FREE	1910181	1
S/N	DESCRIPTION	ITEM NUMBER	QTY



TITLE : NORTH-AMERICAN POWER SUPPLY CORDSET (PB FR)		SCALE : N.T.S.	
CUSTOMER : VPE/FARNELL		PAGE : 1/1	
CUSTOMER PART NUMBER : 1651014		ISSUE	
Reference Number : 143024/7 (VPE03-011-21)		003	
SALES :	QA :	ENGRG : Feng	CHECKED BY : ROBIN
			DRAWN BY : FAN LIAN
Date :	Date :	Date : 10/03/21	Date : 10/03/21
<p style="text-align: right;"><i>Volex (Asia) Pte Ltd</i></p> <p style="font-size: small;">Confidential property of Volex. Information contained herein shall not be disclosed to others, reproduced or used for any other purposes except as authorized in writing by an authorized official of volex asia.</p>			

DRAWING NUMBER :	REVISION :
VL-0356	D



**NOTES :**

1. ALL DIMENSION IN MM.
2. GENERAL TOLERANCE ±2MM, UNLESS OTHERWISE SPECIFIED.
3. WHITE BACKGROUND WITH BLACK PRINT.
4. FONT: TIMES NEW ROMAN; HEIGHT: 2.0MM.
5. PRINTED MARKING SHALL BE DURABLE & LEGIBLE, SURFACE RUBBED WITH THUMB PRESSURE BACK & FORTH 10X, AND INK SHOULD NOT SMEAR.
6. PRINTER/RIBBON TYPE: TEC B-572 OR TEC B-672/905019 OR 905034.
7. FOR PN WITH THE CHARACTERS >=10, USE VL0356-1 TO PRINT.  
FOR PN WITH THE CHARACTERS <10, USE VL0356-2 TO PRINT. 

1	TRANSPARENT OPP LABEL 55X25MM	6102464	
S/N.	DESCRIPTION	ITEM NO.	REMARKS
TITLE : WRAPAROUND CORD LABEL 25X55MM			<b>Volex (Asia) Pte Ltd</b>
PRINT FILE: VL0356D 			Confidential property of Volex. Information contained herein shall not be disclosed to others, reproduced or used for any other purposes except as authorized in writing by an authorized official of Volex Asia.
FILENAME :	SCALE :	PROJ. :	PAGE :
..\\LABEL\\INHOUSE-VL\\VL-0356	1 : 1	 THIRD ANGLE	1/1

DRAWN :	ALICE	REV	SRN/ECR	BY	DATE	REV	SRN/ECR	BY	DATE
RELEASED :	05/12/07	A	HG12-018-07	ALICE	10/12/07				
	SIGN	DATE	B	080027	ALICE	14/01/08			
CHECKED :	<i>Star</i>	15/3/13	C	120686	ALICE	03/09/12			
APPROVED :	<i>Mike</i>	15/3/13	D	130243	ALICE	15/03/13			

REV.	DESCRIPTION	DATE
D	UPDATE VALUE AS PRODUCT SAFETY.	15/09/04
E	CHANGE COMPLIANCE STANDARD & UPDATE	03/07/07
	VALUES PER PRODUCT SAFETY.	

## 1. PVC FLEXIBLE CORD

### 1.1 SCOPE

△ This specification shall be in accordance with NMX-J-436-ANCE + CSA C22.2 NO.49 + UL 62.

### 1.2 CONSTRUCTION

CONDUCTOR	ANNEALED COPPER WIRE
INSULATION	PVC (BLACK, WHITE, GREEN OR BLUE, BROWN, GREEN&YELLOW OR BLACK, WHITE. GREEN&YELLOW)
JACKET	PVC

ITEM	UNIT	SPEC. VALUE
TEMPERATURE RATING	°C	105
MAXIMUM VOLTAGE	V	300
NO. OF CONDUCTORS	NO.	3
△ SIZE OF CONDUCTORS	mm <sup>2</sup> (AWG)	0.824 (18)
△ CONDUCTOR DIAMETER OF INDIVIDUAL WIRES	mm (in)	0.125-0.26 (0.0049-0.010)
△ MIN. AVE. THICKNESS OF INSULATION	mm (mils)	0.76 (30)
△ MIN. THICKNESS AT ANY POINT OF INSULATION	mm (mils)	0.69 (27)
△ MIN. AVE. THICKNESS OF JACKET	mm (mils)	0.76 (30)
△ MIN. THICKNESS AT ANY POINT OF JACKET	mm (mils)	0.61 (24)
△ OVERALL DIAMETER OF JACKET	mm (in)	7.62-8.51 (0.330-0.335)
DIELECTRIC-STRENGTH TEST- IN THE AIR 20±5°C	-	2000V for 1 min.
SPARK TEST	V/sec	6000/0.18 (For 50 Hz) 6000/0.15 (For 60 Hz)
△ INSULATION RESISTANCE AT 15°C	-	≥0.76Gohm (2.5 Mohm 1000 ft)

TITLE : CABLE SPECIFICATION

UL/CSA APPROVED POWER SUPPLY CABLE

SJT 18/3C 105°C

SPEC NO. :	APPROVED BY :	CHECKED BY :	DRAWN BY :	REVISION :
CS-035UL	<i>[Signature]</i>	<i>[Signature]</i>	QIAN SM	E
	DATE :	DATE :	DATE :	PAGE :
	04/01/07	04/17/07	03/07/07	1/1

**Volex**

REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	06/09/19

CABLE MARKING

VOLEX (TA HSING)

(UL) SJT E67601 VW-1 300V 105°C 3X18AWG Volex CSA SJT

600152 VW-1 300V 105°C 3X0.824mm<sup>2</sup> (18AWG) LF

DRAWN	FUWANG	06/09/19	FILENAME :	TITLE : CABLE MARKING (UL/CSA)
CHECK	FUWANG	06/09/19	CABLE-MARKING/ VOLEX(TA HSING)/	
APPR	ROBERT W	06/09/19	SJT 18X3 105°C LF	
SCALE	N.T.S.	REV.	A	
REFERENCE :				<i>Volex (Asia) Pte Ltd</i>
SJT 18/3 105°C - LF				
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REV.	DESCRIPTION	DATE
	ADD IN NEW CABLE MARKING.	
B	ADD IN 'UL/CSA' ON THE TITLE.	11/07/07
C	REMOVE OLD MARKING AS SHOWN.	27/11/08

CABLE MARKING

BAO HING(SHENZHEN)



(UL) SJT E159216 VW-1 300V 105°C 3X18AWG BAOHING CSA SJT  
LL112007 VW-1 300V 105°C 3X0.824mm<sup>2</sup>(18AWG) LF

DRAWN	HONGYAN	27/11/08	FILE NAME :	TITLE : CABLE MARKING (UL/CSA)
CHECK	<i>Yin Sun</i>	27/11/08	CABLE MARKING/BH/	
APPR	<i>Hongyan</i>	28/11/08	SJT/SJT 18/3 105 LF-BH	
SCALE	N.T.S.	REV.	C	
REFERENCE :				<b>Volex</b>
SJT 18/3 105°C - LF				

## 2. PLUG

REV	DESCRIPTION	DATE
BL	ADD IN CATALOGUE NO. KM5F.	24/09/19
BM	ADD IN CATALOGUE NO. MSUS15S2.	09/04/20

### 2.1. SCOPE

The specification applies to plug in compliance with UL498, UL817 and CSA C22.2 No.21-95. Except for the plug molded with SJT-R or SVT-R cable shall be in according to UL498 & UL817.

### 2.2. CONSTRUCTION

The plug construction shall comply with our catalogue No: ME301,ME301R,ME301P, ME301RP,ME301S,ME302,ME302P,ME302GR,ME302GRP,PS204,PS204A,PS204D, PS204GR,PS206,MP204,VS205A,VS205S,VS207A,VS208A,US15B,US15BP,US115PSC, US115SC,US115LS,US115LPS,USJ15B,US115S,USI15A,US515SC,PS520,PS620, PS206A,926,926SR,US650A, US515A , US115VPS2, US15S3, US15S2, MA115VPS2, 926BSR, 926NPSR, US515BTA3, 953, USJ15TS3, US15GPS2, US115DPS2, VPUS15S3, PL-3001,VPUS15DS3, PS520A, CX-394S, VPUS15S2, USD15GPS2, USD115PS2, APUS15S3, DS15PS2, APUS15S2, DS15FPS2, DS15EPS2, DS15JPS2 , US520A3 DS15FBPS2 ,MFUS15S2, HO515S3,DLUS15S3, VNUS15S2, LSUS15THA3, USL15PS3, VNUS15S3, VNUS15FS3, CSUS15S3, DGUSJ15HS3, US515AD, MLUS15S2, VBUS15S2, MFUS15S2U,KM5F& **MSUS15S2**.

### 2.3. CHARACTERISTICS

NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
1.	Conductor secureness test	A force of 20lbf (89N) is applied on the connection between the blade and conductor for 1 min.	The connection shall not break.
2.	Strain relief test (May be exempted with abrupt pull test)	A pull of 30lbf (133N) is applied between the cord and fitting for 1 min.	There shall not be any damage to the cord and fitting. For hospital grade plug, the cord shall not be displaced by more than 0.8mm.
3.	Insulation resistance test	A D.C 500V is applied to the following; i) between live parts of opposite polarity for Class I & Class II plugs. ii) between live parts and grounded parts for Class I plug only. iii) between live parts and exposed surfaces for Class I & Class II plugs.	Min. 100 M Ohm
4.	Temperature rise test	A rated current is passed through the cord for 4 hours.	The rise in temperature of the blades shall not exceed 30°C.
5.	Dielectric voltage withstand test	An alternating voltage of 1250V is applied between each conductors for 1 min.	There shall be no arching, breakdown or flashover
6.	Accelerated aging test	The sample is placed in an oven at a temperature of 100±1°C for 96 hours.	There shall be no damage.
7	Crushing test	After ageing for 7 days at 90±1°C, a pressure of 75lbf (334N) (500lbf for hospital grade) shall be applied on the fitting for 1 min.	The shall be no damage and expose of live parts.

DRAWN:	ROBIN LIU	09/04/20
CHECK:	<i>ROBIN LIU</i>	09/04/20
APPR:	<i>Jian Yang</i>	09/04/20
REV:	BM	

TITLE :  
NORTH-AMERICAN  
PLUG

REFERENCE:

***Volex (Asia) Pte Ltd***

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NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
8	Flexing test (applicable only to parallel cord)	The sample is secured on an oscillating member with a weight of 284g(HPN cord) or 113g(others) and moved backward and forward through an angle of 180° (90° on each vertical side) for 2500 cycles. Rate of cycle is 10/min. and each cycle is from the left to the right and back again.	The conductors on each core shall not have been completely broken.
9	Abrupt pull test	i) Cords with grounding conductor. The plug is inserted into a receptacle with grounding pin on the up position. The angle is 45°. The blades are secured with set screws. A weight of 2.5lb (1.1Kg) is impacted by pulling on the cord for 25 times dropped at height of 10 inches (254mm). A current of 40A at 6-12V is then applied to the grounding conductor for 2 mins. ii) Cords with two conductors. Similar to item (i) but with only 5 impacts and the height is 7 inches (178mm).	No open circuit of any conductors.
10	Abrupt removal test (Hospital grade only)	The preparation is similar to item (9i) but the angle is at 90° and the blades are not secured. A 10lb (4.5Kg) weight is dropped from a height of 24 inches (610mm).	The plug shall be completely removed from the receptacle.
11	Jacket retention test	i) Similar to item (9i) but with only 10 impacts. ii) Similar to item (12) but the 15lbf(67N) is applied at 8 inches from the cord entrance. A weight of 3 lb(1.33kg) is then suspended 8 inches from the cord entrance for 15s. It is then rotated 360° in 15s.	No fillers, separators, insulation or bare conductors shall be seen on the cord entrance area.
12	Security of insulation test (Applicable to parallel cord only)	Insulation on each conductor is slitted open at approx. 25mm from it's entry. All strands of conductor are to be severed. A pull of 15lbf (67N) is applied for 2 min between all blades and free end of the cord.	There shall not be any detachment of insulation from the plug or baring of conductors.
13	Blade pull test at elevated temp.	The sample is conditioned at 60°C. A 10lbf (44.5N) pull is applied to the blades in succession for 4 hours at 60°C. The weight is then removed and the sample is allowed to cool to room temperature.	The blades must not be displaced by more than 1.6mm.
14	Security of blades test	A force of 20lbf (89N) is applied for 2 min. at each blade in succession.	After the removal of the weight, the blades shall not be displaced by more than 2.4mm.

DRAWN:	ROBIN LIU	09/04/20	TITLE : NORTH-AMERICAN PLUG
CHECK:	<i>ROBIN LIU</i>	09/04/20	
APPR:	<i>Jawar Yang</i>	09/04/20	
REV:	BM		
REFERENCE:			<b><i>Volex (Asia) Pte Ltd</i></b>
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NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
15	Impact Resistance Test	After ageing for 7 days at 90±1°C, the fitting is allowed to cool to room temperature. The fitting with a cable length of about 45 in (1143 mm) is to be mounded on a vertical wall with the plug hanging freely along a striking block. The plug is lifted vertically up but about 36 in (965 mm) away from the wall. The plug is then let go and be allowed to strike the block. This is to be repeated 1000 times.	There shall be no damage to the fitting.
16	Rotary Pull (applicable only to hospital grade)	The plug is moulded with the flexible cord without the conductors terminated to the blades or grounding pin. The cord is then subjected to a vertical force of 10lbf (44.5N) and rotated at a rate of 9rpm in a 3 in diameter circle at a point 6 in (152mm) below the cord exit for 2 hours.	The conductors shall not have been displaced by more than 0.8mm.
17	Adhesion test (applicable only to outdoor-use)	Adhesion between the cord and the body of the fitting shall be determined by bending the cord to an angle of 90° with the plane of the cord entry.	The area shall be examined visually for openings that would likely permit the entry of moisture into the body.  If the visual examination cannot verify that acceptable adhesion exists, the plug may be cut apart for examination. The adhesion may be determined to be acceptable if the examination of the inner construction reveals a positive seal at all points around the periphery of the cord.
18	Weather (sunlight) resistance test (applicable only to outdoor-use)	If the plastic material is not tested for weather resistance, then the plugs/connectors/assemblies shall be subjected to conditioning according to CSA C22.2 No. 2556 or CSA C22.2 0.17 for 720 hrs (carbon arc) or 1000 hrs (Xenon-arc), and then subjected to crushing and impact resistance test.	After crushing test, there shall be no damage and expose of live parts.  After impact resistance test, there shall be no damage to the fitting.

DRAWN:	ROBIN LIU	09/04/20	TITLE : NORTH-AMERICAN PLUG
CHECK:	<i>ROBIN</i>	09/04/20	
APPR:	<i>Jawia Yang</i>	09/04/20	
REV:	BM		
REFERENCE:			<b><i>Volex (Asia) Pte Ltd</i></b> <small>Confidential property of Volex. Information contained herein shall not be disclosed to others, reproduced or used for any other purposes except as authorized in writing by an authorized official of volex asia.</small>

REV	DESCRIPTION	DATE
E	ADD IN CATALOGUE NO. AS SHOWN.	1/12/20
F	ADD 'MFC7SL' AS SHOWN.	25/12/20

### 3. CONNECTOR

#### 3.1. SCOPE

The connector shall be in accordance with UL 60320-1 and CSA C22.2.No. 60320-1.

Test specification - appliance couplers.

#### 3.2. CONSTRUCTION

The connector construction shall comply with our catalogue No: VNC21S, VSCC21, VSCC21A, VNBC7S, VNBC13S, VNC21KS, VNBC7SL, HPC13S & VAC5S, VAC5AR, VAC7S, SZC7S, VCC13, VSCC13, AVL13, VAC7A, VAC7PS, V1625, V1625LA, V1625A, V1625BA, V1625BS, VAC15BS, VAC17S, VAC17BS, PIC17BS, PIC17S, VAC19, VAC19A, VSC19, VAC17A, VAC13KS, VAC19KS, V1625AT, SOC7S, VCC5S, VCC7S, V1625H, VAC19H, VAC15A, VAC17KS, VAC13AU, VAC13CS, VAC13AD, VNC7S, VNC13S, VNC5S, VNC13A, VNC7A, VNC5FS, DGC13S, DGC13A, DGC19S, VAC5AL, VAC7SR, VAC19LA, VBC7A, DLC5U3, DLC5E3, DLC7U2, DLC5CS3, VAC17FS, MLC7S, APC13HC, APC7HB, MFC7SL.

....."All Connectors complying to Standard Sheet C5,C7, C13, C15,C17,C19,C21.

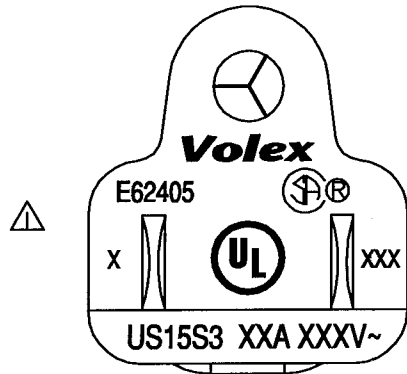
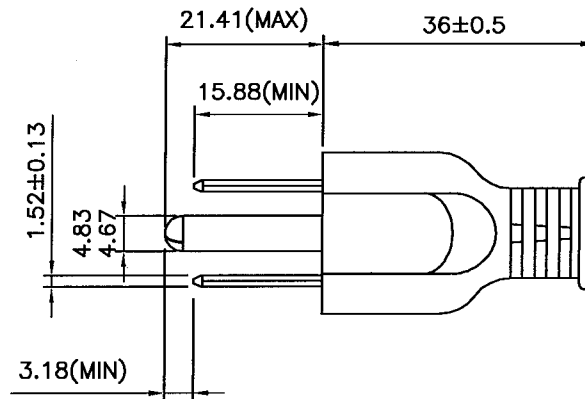
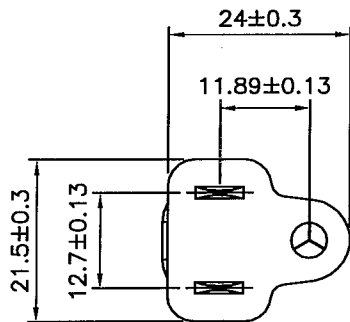
#### 3.3. CHARACTERISTICS

NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
1.	Moisture resistance test	Samples are kept in a humidity cabinet containing air with a relative humidity between 91 to 95% and a temperature of 20°C-30°C for a duration of 168 hours.	No damage
2.	Electric strength test	Voltages of 3000V±60V and 1500V±60V, with min. trip current of 100mA is applied for 60s±5s between current-carrying contacts and body and between each contacts respectively after the moisture resistance tests.	No flashover and breakdown
3.	Insulation resistance test	This test is measured with a D.C 500V after the moisture resistance test. Readings are taken after 60s±5s of application of voltage.	Min. 5 M Ohm
4.	Withdrawal force test	i) Min. 1.5N (2N for 16A) - A single pin made to the minimum dimension is inserted into the connector. The pin, together with the weight should exert a force of 1.5N (2N for 16A connector). Each individual pole of the connector is tested separately. ii) Max. 50N (60N for 16A) - Insert and withdraw the connector from a socket having pin dimension to the maximum and shroud dimension to the minimum for 10 times. The connector is then inserted again into the socket hang with a total weight of 50N(60N for 16A). The weight consist of a principal weight which is 90% of the total weight and a supplementary weight of 10%.  The test is repeated for hot connector with temperature of 120°C±2°C on the pins.	i) The pin with the weight should not be withdrawn from the connector for more than 3 seconds. ii) The connector shall be withdrawn from the socket If not the supplementary weight is lifted from a height of 5cm and drop. The connector must be withdrawn.  The test is repeated after temperature rise test.
5	Glow wire test	Glow wire is applied for 30s with temperature of 750°C on inserts and housings retaining contacts and 650°C on elsewhere.	Flame (if any) shall be self-extinguished within 30s upon the removal of the glow wire and molten droplets shall not ignite paper.

DRAWN:	YANNIS	25/12/20	TITLE : NORTH AMERICA APPLIANCE COUPLERS (UL 60320-1)
CHECK:	<i>FOWKING</i>	25/12/20	
APPR:	<i>Feng</i>	25/12/20	
REV:	F		
REFERENCE:			<b><i>Voilex (Asia) Pte Ltd</i></b> <small>Confidential property of Voilex. Information contained herein shall not be disclosed to others, reproduced or used for any other purposes except as authorized in writing by an authorized official of voilex asia.</small>

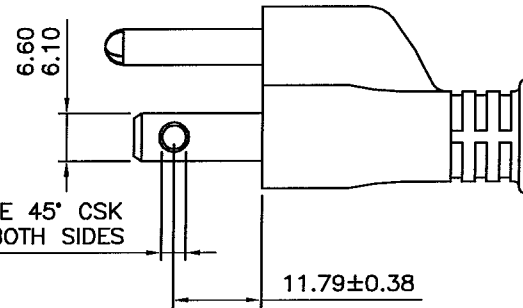
NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
6	Flexing test	The sample shall be loaded with a weight of 10N for 0.75mm <sup>2</sup> or 20N for 1.00mm <sup>2</sup> or bigger and the oscillating member shall be moved backward and forward through an angle of 90°(45° on either side of the vertical) the number of flexing being 10,000. A rated current and rated voltage is applied. For round cord, the sample is turned 90 degree around the axis of cable after 5,000 flex. The flexing is further completed in this axis. Flat cable is flexed only along the bigger axis of the cable.	There shall be no complete breakage of any of the conductor. Broken conductor shall not have pierced the insulation.
7	Tumbling test	The sample is dropped from a height of 50cm onto a steel plate(3mm thick) for a total of 500 times.	No damage to impair further use of connector.
8	Breaking capacity test	The connector is connected and disconnected 50 times (100 strokes) with the inlet at a rate of 30 strokes per minute with 275V and 1.25 times of rated current.	No flashover or sustained arcing during the test and no damage to impair further use of connector.
9	Normal operation test	Test is similar to breaking capacity except that the test voltage is 250V with the connector connected and disconnected with the inlet for 1000 times (2000 strokes) with rated current and 3000 times (6000 strokes) without current	Withstand electric strength at 1500V for 1 min, and show no damage
10	Temperature rise test	An alternating current at 1.25 times rated current is passed through the current carrying contacts for 1 hour. This is repeated for connector with earth contact passing current between earth and each of the current carrying contacts.	The temperature rise shall not exceed 45K.
11	Cord-anchorage test	The cord is subjected to pulls of 50N(2.5A) or 60N(others) for 100 times each time for 1 sec. without jerk. Thereafter the cord is subjected for 1 min. to a torque of 0.15Nm(0.75mm <sup>2</sup> ) or 0.25Nm(others).	The cord shall not be damaged and shall not be displaced by more than 2mm.
12	Aging test	The samples are kept for 168 hours in a heating cabinet at a temperature of 80±2°C.	No damage & marking shall be legible.
13	Ball pressure test	A ball of 5mm in diameter is applied on the connector with the following temperature with 20N force for 1 hour. i) 155°C for very hot connectors. ii) 125°C for hot connectors. iii) 125°C for parts retaining current carrying parts and earth circuit. iv) 75°C for other parts for cold connector. The connector is then cooled down to room temperature with cold water.	The diameter of the impression shall not exceed 2mm.

DRAWN:	YANNIS	25/12/20	TITLE : NORTH AMERICA APPLIANCE COUPLERS (UL 60320-1)
CHECK:	<i>FUNANG</i>	25/12/20	
APPR:	<i>Feng</i>	25/12/20	
REV:	F		
REFERENCE:			<b><i>Volex (Asia) Pte Ltd</i></b> <small>Confidential property of Volex. Information contained herein shall not be disclosed to others, reproduced or used for any other purposes except as authorized in writing by an authorized official of volex asia.</small>



**MARKING DETAILS**

∅3.18±0.13 HOLE 45° CSK  
3.96±0.13 DIA BOTH SIDES



REV.	DESCRIPTION	DATE
H	ADD '2.5A' IN RATING TABLE.	12/11/12
	CHANGE MARKING PER ECN005-14.	
	UPDATE TABLE AS SHOWN.	
I	UPDATE NOTE 5.	02/12/14

**TABLE :**

VOLTAGE (XXXV~)	125V~	✓		
CURRENT (XXA)	10A	✓	2.5A	

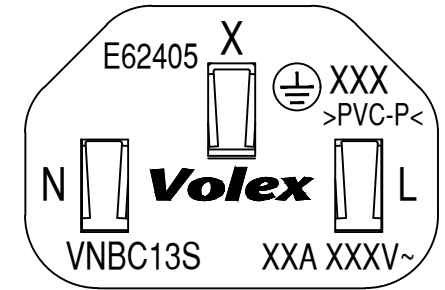
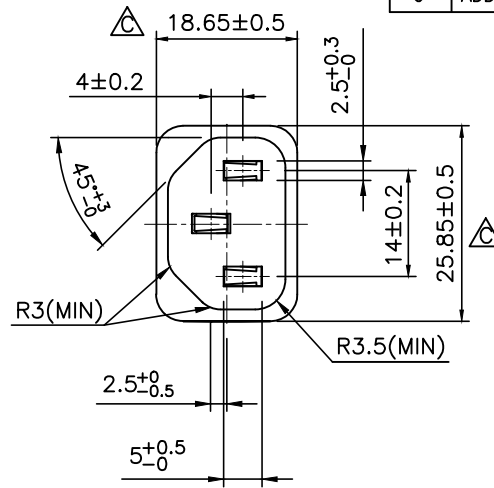
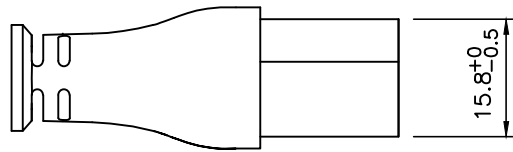
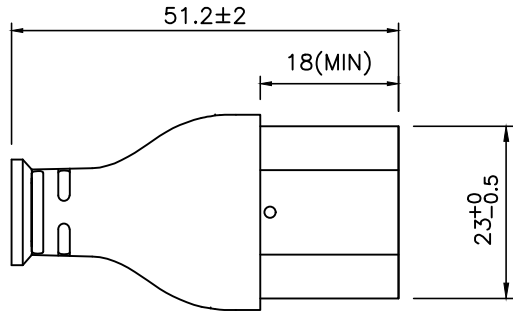
**NOTES :**

- 1) ALL DIMENSIONS IN mm.
- 2) X - CAVITY NO. (OPTIONAL)
- 3) XXX - MANUFACTURING LOCATION.
- 4) VENDOR'S TRADEMARK MUST BE ON THE BLADE.

△ 5.) XXA XXXV~ - RATING(REFER TO TABLE)

SM	HENG GANG (CHINA)	X	DRAWN	LI XIA	02/12/14	FILE NAME :	TITLE :	
SM1/SMI	ZHONGSHAN (CHINA)	X	CHECK	LS	02/12/14	A-PLUG/UL&CSA	MOLDED PLUG US15S3	
VH	HANOI (VIETNAM)	X	APPR	Y	4/12/14	/GENERAL/US15S3 -UL&CSA		
B	BATAM (INDONESIA)	X	REV.	I	SCALE	N.T.S.		
VC	CHENNAI (INDIA)	X	REFERENCE :				Volex (Asia) Pte Ltd	
MANUFACTURE LOCATION MARK (' X ' IS APPLICABLE ONLY)			NORTH-AMERICAN APPROVAL				Confidential property of Volex. Information contained herein shall not be disclosed to others, reproduced or used for any other purposes except as authorized in writing by an authorized official of Volex Asia.	

REV.	DESCRIPTION	DATE
B	ADD 'UL/C-UL' AS SHOWN.	27/07/20
C	ADD DIMENSIONS AS SHOWN.	29/07/20



MARKING DETAILS :

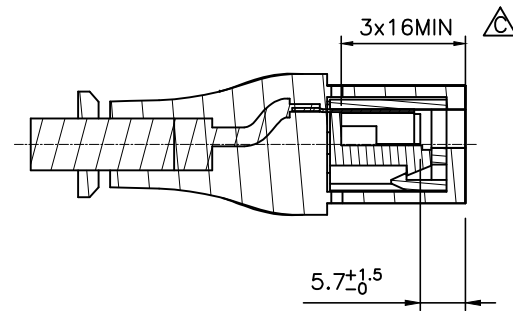


TABLE :

CURRENT (XXA)	13A		12A		10A	✓
VOLTAGE (XXXV~)	250V~		125V~	✓		

NOTES :

- 1.) ALL DIMENSIONS IN mm.
- 2.) X - CAVITY NO. (OPTIONAL)
- 3.) XXA XXXV~ - RATING. (REFER TO TABLE)
- 4.) XXX - MANUFACTURING LOCATION.

SM	HENG GANG (CHINA)	X	DRAWN	FAN LIAN	29/07/20	FILE NAME :	TITLE : MOLDED CONNECTOR VNBC13S
SM1/SMI	ZHONGSHAN (CHINA)	X	CHECK	Feng	31/07/20	A-CONNECTOR/ UL&CSA/GENERAL /VNBC13S-UL/CUL	
VH	HANOI (VIETNAM)	X	APPR	Alen Ho	31/07/20	N.T.S.	
B	BATAM (INDONESIA)	X	REV.	C	SCALE	N.T.S.	<b>Volex (Asia) Pte Ltd</b> <small>Confidential property of Volex. Information contained herein shall not be disclosed to others, reproduced or used for any other purposes except as authorized in writing by an authorized official of volex asia.</small>
VC	CHENNAI (INDIA)		REFERENCE : NORTH-AMERICAN APPROVAL (UL/C-UL)				
MANUFACTURE LOCATION MARK ( ' X ' IS APPLICABLE ONLY)							