SPECIFICATION

FOR

BRITISH & SINGAPOREAN POWER SUPPLY CORDSET (PB FR)

CORD : H05VV-F 3X1.00mm² PVC LEAD FREE

CUSTOMER

: VPE/FARNELL

CUSTOMER'S PART No. : 2460366

VOLEX'S SPEC. REF. No.: 143023/1

ISSUE No.

: 002

DATE

: 30TH JANUARY 2015

CUSTOMER APPROVED :

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



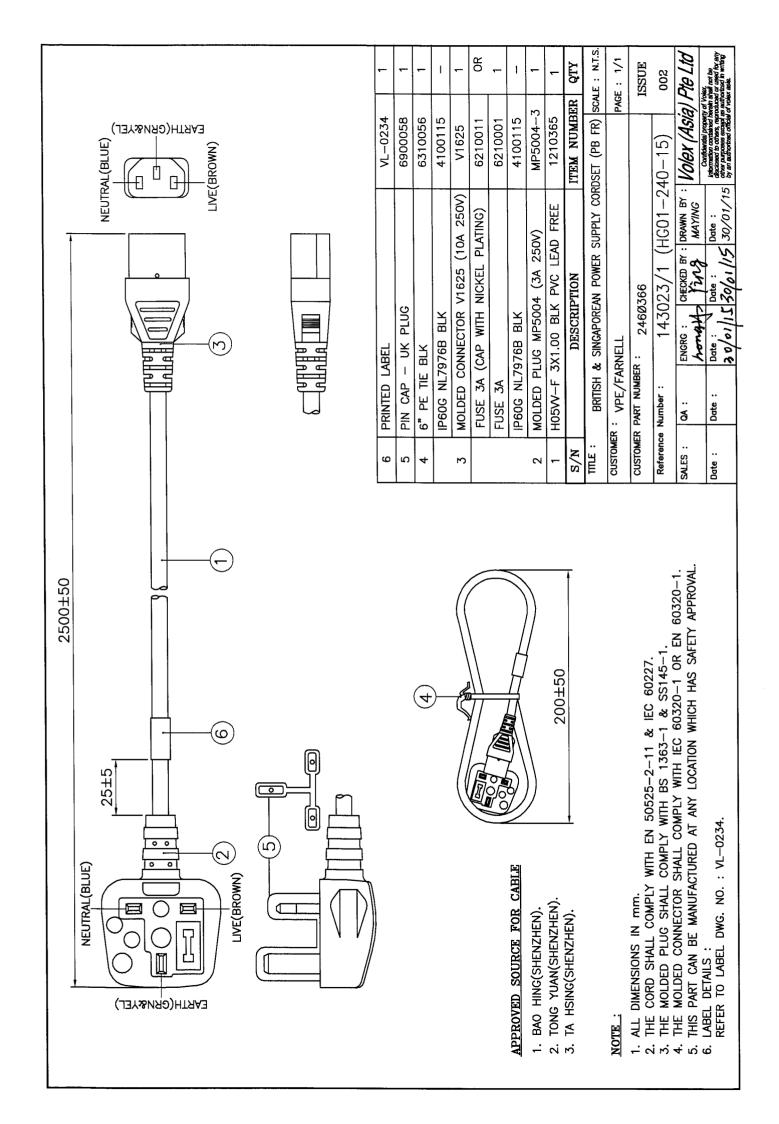
Volex (Asia) Pte Ltd

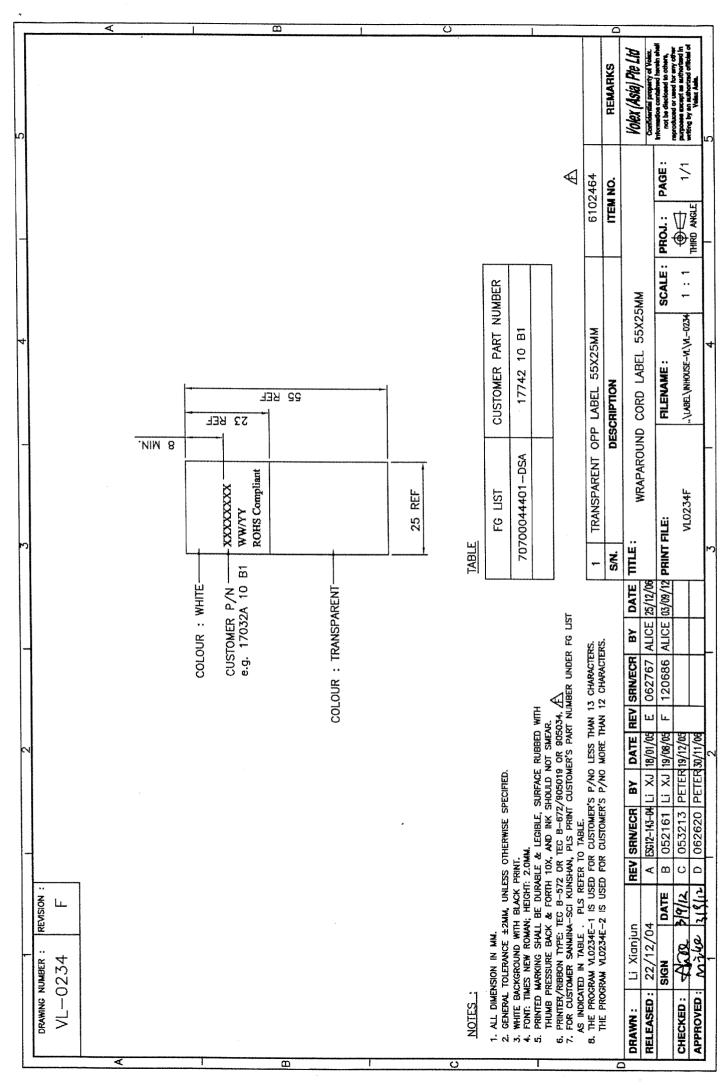
35 Tampines St. 92 Singapore 528880

Tel: (65) 6788 7833 Fax: (65) 6788 7822

AMENDMENT RECORD

REF. No.	DESCRIPTION OF CHANGES	DATE
143023/1	(1) FIRST SUBMISSION.	06/11/14
(HG10-048-14)		
ISSUE: 001		
143023/1	(1) CHANGE CUSTOMER P/N FM. '1217724' TO '246Ø366' ON COVER PAGE	30/01/15
(HG01-240-15)	& ASSEMBLY DWG. PAGE.	
ISSUE : 002		
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	A 40-20-11-11-11-11-11-11-11-11-11-11-11-11-11	
	17/44/14/14	





Form Number: Ol-ENG-057-FM005(B)

	REV.	DESCRIPTION	DATE	
-		REMOVE INSULATION COLOR 'BLUE, BROWN, BLACK'		
	ı	FM. REV. H PER HD STANDARD.	01/09/06	
		CHANGE THE COMPLIANCE STANDARD		
		PER SAFETY.		
	J	UPDATE FORMAT AS SHOWN.	23/12/13	

1. PVC FLEXIBLE CORD

1.1 SCOPE

This specification shall be in accordance with EN 50525-2-11. \triangle

1.2 CONSTRUCTION

CONDUCTOR	ANNEALED COPPER WIRE
INSULATION PVC (BLUE, BROWN, GREEN&YELLOW)	
JACKET	PVC

ITEM	UNIT	SPEC. VALUE	
TEMPERATURE RATING	.c	70	
RATED VOLTAGE		٧	300/500
NO. OF CORE		NO.	3
CONDUCTOR NOMINAL AREA		mm ²	1.00
MIN. AVE. THICKNESS OF IN	SULATION	mm	0.60
MIN. THICKNESS AT ANY POINT	OF INSULATION	mm	0.44
MIN. AVE. THICKNESS OF JA	ACKET	mm	0.80
MIN. THICKNESS AT ANY POINT	OF JACKET	mm	0.58
OVERALL DIAMETER OF JAC	KET	mm	6.3~8.0
DIELECTRIC-STRENGTH TEST IMMERSED	ON COMPLETED CABLE	_	2000 V FOR 15 MINS (MINIMUM)
IN WATER, 20±5°C FOR MINIMUM 1HR	ON CORES	_	1500 V FOR 5 MINS (MINIMUM)
VOLTAGE TEST (D.C)			2000 Va.c FOR 5 MINS (MINIMUM) OR 5000 Vd.c FOR 5 MINS (MINIMUM)
INSULATION RESISTANCE TE	ST (70°C)	MΩ km	> 0.01
CONDUCTOR RESISTANCE TE	Ω/km	<= 19.5	

TITLE: CABLE SPECIFICATION

EUROPEAN APPROVED POWER SUPPLY CABLE

H05VV-F 3X1.00mm²

SPEC NO.:

APPROVED BY: CHECKED BY: DRAWN BY: REMSON:

HONGYAN

DATE:
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REV.	DESCRIPTION	DATE
В	UPDATE SPEC. VALUE AS PRODUCT SAFETY.	29/07/02
	CHANGE ACCORDANCE STD FM. 'IEC227' TO 'IEC 60227'.	
С	UPDATE SPEC. VALUE AS PRODUCT SAFETY.	17/08/04

1. PVC FLEXIBLE CORD

1.1 SCOPE

This specification shall be in accordance with IEC 60227. 🛆

1.2 CONSTRUCTION

CONDUCTOR	ANNEALED COPPER WIRE	
INSULATION	PVC (BLUE, BROWN, GREEN&YELLOW)	
JACKET	PVC	

	ITEM		UNIT	SPEC. VALUE
	TEMPERATURE RATING		.c	70
f	RATED VOLTAGE		V	300/500
	NO. OF CORE		NO.	3
f	CONDUCTOR NOMINAL AR	EA	mm ²	1.00
ļ	MIN. AVE. THICKNESS OF	INSULATION	mm	0.60
	MIN. THICKNESS AT ANY POIN	IT OF INSULATION	mm	0.44
	MIN. AVE. THICKNESS OF JACKET		mm	0.80
<u> </u>	MIN. THICKNESS AT ANY POINT OF JACKET OVERALL DIAMETER OF JACKET		mm	0.58
			mm	6.3~8.0
	VOLTAGE TEST - IMMERSED IN ON COMPLETED CABLE WATER 20±5°C FOR MINIMUM 1 HR ON CORES		-	2000V for 5 mins. (minimum)
			_	1500V for 5 mins. (minimun)
	INSULATION RESISTANCE	TEST (70°C)	MΩ/km	>0.01
	CONDUCTOR RESISTANCE (20°C)		Ω/km	<= 19.5

TITLE : CABLE SPECIFICATION

INTERNATIONAL APPROVED POWER SUPPLY CABLE

H05VV-F 3X1.00mm²

SPEC NO. : APPROVED BY : CHECKED BY : DRAWN BY : REVISION :

CS-001IN

DATE : DATE : DATE : PAGE :

18/8/14/8/08/04/17/08/04 1/1



REV.	DESCRIPTION	DATE		
A	initial release.	12/10/02		
	UPDATE MARKING DETAILS.			
	UPDATE THE FORMAT AS SHOWN.			
В	B ADD IN '(EU/SAA/SAB/IEC)' ON THE TITLE.			

CABLE MARKING

BAO HING (SHENZHEN)

⚠ H05VV-F 3G1.0mm² \triangleleft VDE \triangleright KEMA-KEUR + \wp + \wp + \wp \triangleleft \bigcirc \bigcirc VDE \triangleright CEBEC IEMMEQU SABS 1574 \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc BAOHING GTSA-3 N14586 **C€** LF

DRAWN	LI XF	19/01/05	
CHECK	weits	19/1/05	CABLE MARKING/
APPR	champhin	19/01/05	8H/H05/H05W-F 3X1.0 LF- BH
SCALE	N.T.S.	REV.	В

TITLE :

CABLE MARKING
(EU/SAA/SAB/IEC) 🖄

REFERENCE :

HO5VV-F 3X1.0mm² LF

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REV.	DESCRIPTION	DATE
	UPDATE FORMAT AS SHOWN.	
C	ADD IN '(EU/SAA/SAB/IEC)' ON THE TITLE.	21/01/05
	ADD IN NEW MARKING PER ECN002-13.	
D	ADD IN NOTE 1.	07/05/13

CABLE MARKING

TONG YUAN (SHENZHEN)

HO5VV-F 3G1.0mm² ⊲VDE> KEMA-KEUR CEBEC +0+0+0 √ÖVE>

(D) (S) (N) (F) IEMMEQU S/370 SABS 1574 NF-USE TONGYUAN LF

H05W-F 3G1.0mm² < VDE> KEMA-KEUR CEBEC + v0+v0+v < COVE>

(D) (S) (N) F) IEMMEQU SABS 60227-5 NF-USE 1321FC TONGYUAN LF

NOTES:

1) * - PREFERRED CABLE MARKING.

HO	5W-F 3X	1.0mm²	LF	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 asis.
REFERENC	Œ:	-		Volex (Asia) Pte Ltd
SCALE	N.T.S.	REV.	D	
APPR	Hung	111113	-F 3X1.0 LF-1Y-SZ	(EU/SAA/SAB/IEC)
CHECK	horale	09/05/13	C-MARKING/TONG YUAN/HO5/HO5VV	(EU/SAA/SAB/IEC)
DRAWN	HONGYAN,		FILENAME :	TITLE : CABLE MARKING

REV.	DESCRIPTION	DATE
	ADD IN NEW MARKING PER ECNO06-10.	
В	ADD IN NOTE 1.	26/07/10
С	REMOVE OLD MARKING PER ECR101239.	26/10/10

CABLE MARKING

△ TA HSING(SHENZHEN)

· <VDE> KEMA-KEUR CEBEC IEMMEQU (D) (N) (S) (F) $\label{eq:control_objective} \ensuremath{\triangleleft} \ensuremath{\square} \ensuremath{\square} \ensuremath{+} \omega + \omega + \omega + \omega \ \mbox{NF-USE-1344 Q050104 H05VV-F } \ensuremath{3\mbox{G1.00mm}}^2$ TA HSING INDUSTRIES LTD. LF

Δ

DRAWN	WANGHUI				FILENAME :	TITI F
CHECK	mi.	26	/10	10	/TH(SZ)/H05W-F	,,,,
APPR	way	26	10	10	3X1.00 - LF	
SCALE	N.T.S.	R	EV.	•	С	

E : CABLE MARKING

(EU/SAA/IEC)

REFERENCE :

H05VV-F 3X1.00mm² LF

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2. PLUG

REV	DESCRIPITION	DATE
	CHANGE 'TEST RESULT' TO 'ACCEPTANCE CRITERIA'.	
Y	CHANGE FORMAT AS SHOWN.	23/02/13
Z	ADD IN CATALOG NO. MFUK13A2.	26/04/13

2.1. SCOPE

The plug shall be in accordance with BS 1363 Part 1, (Specification for up to 13A fused plugs, switched and unswitched socket-outlets)

2.2. CONSTRUCTION

The plug construction shall comply with our catalogue No: MP5004, MP5004A, MP5004AW, MP5004H, MP5004SC, UK13A2,UK13CBA2,UK10SC3, MP5004BS, MP5004V, UK13A3 , MP5004DBS , MP5004D , VPUK13A3, VPUK13A2, DS13CA2, APUK13A2 , APUK13A3, DS13EA2 & MFUK13A2.

2.3. 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 85 to 95% and a temperature of 20°C-30°C for a duration of 48 hours.	No damage
2.	Electric strength test	A voltage of A.C 2000V with a trip current of min. 100mA is applied for 1 min after the moisture resistance test. A voltage of A.C 6000V is also applied between current carrying parts and body for 1 min.	No flashover and breakdown
3.	Insulation resistance test	This test is measured with a D.C 500V for 1 min. after the moisture resistance test.	Min. 5 M Ohm
4.	Flexing test	The sample shall be loaded with a weight of 1kg for 0.75mm ² or less, or 2kg for 1.00mm ² and above 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.Rated current of the plug is passed.	No damage to the insulation and the breakage of conductor of each core shall not exceed 10%.
5.	Tumbling test	The samples are dropped from a height of 50cm onto a plywood base(10mm thick) for a total of 5000 times.	No damage
6.	Abrasion test	The pin of sample slopes downwards at angle of 10° to the horizontal. The sample is loaded with a force of 4N on the sleeve of the pin. The number of movement is 20,000 and the length of pin subjected to abrasion is approx. 7mm over the insulating sleeve.	No damage

DRAWN:	SANDY YU	26/04/13	TITLE:
CHECK:	Longe	27/04/19	
APPR:	Huy	27/4/13	BRITISH PLUG
REV:	Z	,	
REFERENCE	:		Volex (Asia) Pte Ltd
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NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
7.	Heat deformation test	The samples are kept for 1 hour in a heating carbinet at temperature of 70±5°C.	no damage and withstand electric strength test.
8.	Ageing test	The samples are kept for 7 days in a heating carbinet at temperature of 70±5°C. It is then put in room temperature for 4 hours.	no damage
9.	Temperature rise test	Rated current of the plug is passed for at least 4 hours. This test is repeated on the same sample after tumbling barrel test.	Rise in temperature for joints shall not exceed 52K while the rest shall not exceed 37K.
10.	Cord-anchorage test	The cord is subjected to a load of 3kg for (1.0mm ² or smaller) or 6kg (the rest) 25 times without jerk. The cord is then subjected to a torque of 0.15Nm (0.5mm ²), 0.2Nm (0.75mm ²), 0.25Nm (1.0mm ²), 0.3Nm (1.25mm ²), 0.35Nm (1.5mm ²) for 1 min.	Shall withstand a voltage of 3750±75V for 1 min., between each conductor and cord shall not been displaced by more than 2mm.
11.	Pressure test	A force of 20N is applied on the sample for 1 hour at a temperature of 70±5°C.	No damage and shall withstand electric strength and insulation resistance test. The sample must also fit into fig. 5 jig of BS1363.
12.	Ball pressure test	A steel ball of 5mm in diameter is applied with 20N force on the sample at a temperature of 75±5°C for 1 hour. The sample is then cooled by cold water.	The diameter of the impression shall not exceed 2mm.
13	Glow wire test	The tip of the glow wire heated electrically to 750±10°C shall be applied at the portion between the current-carrying pins for a period of 30s.	Any flame and glowing shall extinguish within 30s after the removal of the glow-wire. There shall be no ignition of the tissue papernor sorching of the board.

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REFERENCE:			Volex (Asia) Pte Ltd
REV:	z		
APPR:	they	27/4/13	BRITISH PLUG
CHECK:	hough	27/06/17	
DRAWN:	SANDY YU	26/04/13	TITLE:

	REV	DESCRIPTION	DATE
		ADD IN CATALOG NO. 'APUK13A2'.	
2. PLUG	:	CHANGE 'TEST RESULT' TO 'ACCEPTANCE CRITERIA'.	
	s	CHANGE FORMAT AS SHOWN.	26/03/13
	Т	ADD IN CATALOG NO. 'MFUK13A2'.	26/04/13

2.1. SCOPE

The plug shall be in accordance with SS145 Part 1.

(Specification for up to 13A fused plugs, switched and unswitched socket-outlets)

2.2. CONSTRUCTION

The plug construction shall comply with our catalogue No: MP5004, MP5004A, MP5004AW, MP5004BS, MP5004V, UK13A2, UK13A3, MP5004D, MP5004SC VPUK13A3, VPUK13A2, DS13CA2, DS13EA2, APUK13A3, APUK13A2 & MFUK13A2.

2.3. CHARACTERISTICS

NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
1.	Moisture resistance test	Samples are kept in the humidity cabinet containing air with a relative humidity between 85% to 95% and a temperature of 20°C-30°C for a duration of 48+1, -0 hours.	No damage
2.	High voltage test	A test voltage of 6000±100V shall be alternating (50 to 60 Hz), applied between all current carrying parts connected together and body for a period between 3s and 5s.	No breakdown or flashover
3.	Insulation resistance test	This test is measured using a D.C. voltage of 500+250, -0 V the measurement being made approximately 1 min after application of the voltage.	Min. 5 M Ohm
4.	Flexing test	The flexible cord shall be loaded with a weight of 1kg (0.50mm ² & 0.75mm ² cables) or 2kg (1.00mm ² and above). The oscillating member is moved backwards and forwards throught an angle of 45°±3° on either side of the vertical. The number of flexings being 10,000 at a rate of 60+0, -10 flexings being per minutes. A rated current is passed, the voltage is 250V± 10 V.a.c.	No damage. Breakage of no more than 10% of the total number of conductor strands in any core is ignored provided they have not pierced the insulation.
5.	Tumbling test	The samples is dropped from a height of 50cm onto a plywood base for a total of 5000 times.	No damage
6.	Resistance to Heat test	The samples are kept for 1 hour in a heating cabinet at the temperature of 70°C±5°C.	No damage and withstand electric strength test.
7	Resistance to Ageing	The samples are kept in a heating cabinet at a temperature of 70°C±5°C for a minimum of 7 days. It is the put in room temperature for 4 hours.	No damage. No crack visible, nor shall the material become sticky or greasy.

DRAWN:	SANDY YU	26/04/13	TITLE:
CHECK:	spring	>7/06/13	1
APPR:	my	27/4113	SINGAPOREAN PLUG
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NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
8	Temperature rise test	Rated current is passed for at least 4 hours. The test is repeated on the same samples after tumbling barrel test.	Rise in temperature for joints shall not exceed 52K, while the rest shall not exceed 37K.
9	Cord-anchorage test	The cord is subjected to a load of 3+2%,-0% kg (0.50mm², 0.75mm² & 1.0mm² cables) and 6+2%, 2%, -0% kg (1.25mm² & 1.5mm² cables), 25 times.	Shall withstand a voltage of 3750±75V for 60+5, -0s between each conductor and cord shall not have been displaced by more than 2mm.
10	Abrasions test	The pin of samples slopes downwards at angle of 5-10° to the horizontol. The sample is loaded with the force of 4+0,-1N on the sleeve of the pin. The number of movement is 20,000 and the length of pin subjected to the abrasion is approx. 7mm over the insulating sleeve.	No damage.
11	Ball pressure test	A steel ball of 5mm in diameter is applied with 20+0,-1N force on the sample at a temperature of 75°C±5°C for 60+1, -0 min. The sample is cooled by cold water.	The diameter of the impression shall not exceed 2mm.
12	Presure test	A force of 20+0, -1N is applied on the sample for 60+5, -0 min. at temperature of 70±5°C.	No damage and shall withstand electric strength and insulation resistance test. The sample must also fig. 5 jig of SS145:1997.
13	Glow wire test	The tip of the glow wire heated electrically to 750±10°C shall be applied at the portion between the current-carrying pins for a period of 30s.	Any flame and glowing shall extinguish within 30s after the removal of the glow-wire. There shall be no ignition of the tissue papernor sorching of the board.

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REV:	Т		
APPR:	/fry	2714113	SINGAPOREAN PLUG
CHECK:	hongh	>7/04/13	
DRAWN:	SANDY YU	26/04/13	TITLE:

REV DESCRIPTION DATE 3. CONNECTOR CHANGE TEST RESULT TO 'ACCEPTANCE CRITERIA' 11/03/14 AP CHANGE FORMAT AS SHOWN. 11/03/14 3.1. SCOPE AQ ADD IN CATALOGUE NO. VAC17KS. 24/02/14

The connector shall be in accordance with IEC 60320-1 or EN 60320-1, Test specification - appliance couplers.

3.2. CONSTRUCTION

The connector construction shall comply with our catalogue No: VAC5S, APC5A, APC5S, APC5M, VAC5AR, APC5SM, DLC5A3, V1625, V1625A, VAC19, VAC17S, VSCC13, AVLC13, APC13, APC13S, VSC19, V1625LA, VAC19A, VSCC15, APC5SP, APC13F, V1625BS, APC13G, VAC13A, VAC13S, PIC17S, VIC13A, DLC5U3, VAC13KS,SOC5S, V1625H, VAC19KS, DLC5E3, HPC13A, V1625AT, VAC17A, APC5SF, VCC13, VCC5S, APC13H, VCC17S, VAC19H, APC13FH, APC13HC & VAC17KS "All connectors complying to Standard Sheet C5, C13, C15, C15A, C17 and C19"

3.3. CHARACTERISTICS

NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
1.	Moisture resistance	Samples are kept in a humidity cabinet con-	No damage
1.	test	taining air with a relative humidity between 91	140 damage
	iest	to 95% and a temperature of 20°C-30°C for a	
		duration of 48 hours.	
2.	Electric strength	Voltages of 3000V±60V and 1500V±60V, with	No flashover
-	test	min. trip current of 100mA is applied for 60s±5s	and breakdown
	tost	between current-carrying contacts and body and	
		between each contacts respectively after the	
		moisture resistance tests.	
3.	Insulation resistance	This test is measured with a D.C 500V after the	Min. 5 M Ohm
	test	moisture resistance test.Readings are taken	
		after 60s ± 5s of application of voltage.	
4.	Withdrawal	i) Min. 1.5N (2N for 16A) - A single pin made	i) The pin with the weight
	force	to the minimum dimension is inserted into the	should not be withdrawn
	test	connector. The pin, together with the weight	from the connector for
		should exert a force of 1.5N (2N for 16A	more than 3 seconds.
		connector). Each individual pole of the	
		connector is tested seperately.	
		ii) Max. 50N (60N for 16A) - Insert and withdraw	ii) The connector shall be
		the connector from a socket having pin dimension	withdrawn from the socket.
		to the maximum and shroud dimension to the	If not the supplementary
		minimum for 10 times. The connector is then	weight is lifted from a
		inserted again into the socket hang with a total	height of 5cm and drop.
		weight of 50N(60N for 16A). The weight consist	The connector must be
		of a principal weight which is 90% of the total	withdrawn.
		weight and a supplementary weight of 10%.	
		The test is repeated for hot connector with	The test is repeated after
		temperature of 120°C±2°C on the pins.	temperature rise test.

DRAWN:	MOLLY	24/02/14	TITLE:
CHECK:	monats	74/02/14	EUROPEAN & BRITISH
APPR:	44	29/2/14	APPLIANCE COUPLERS
REV:	AQ		
REFERENCE:			Volex (Asia) Pte Ltd
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		D TO CONTINUE ON I	ACCEPTANCE
NO.	TEST ITEM	DESCRIPTION	CRITERIA
5.	Glow wire test	Glow wire is applied for 30s with temperature of	Flame (if any) shall be self-
i i		750°C on inserts and housings retaining contacts	extinguished within 30s .
		and 650°C on elsewhere.	upon the removal of the
			glow wire and molten
			droplets shall not ignite
			paper.
6.	Bending	The sample shall be loaded with a weight of 10N	There shall be no complete
	test	for 0.75mm ² or 20N for 1.00mm ² or bigger and the	breakage of any of the
		oscillating member shall be moved backward and	conductor. Broken
		forward through an angle of 90°(45° on either	conductor shall not have
		side of the vertical) the number of flexing being	pierced the insulation.
		20,000.A rated current is applied.	
		For round cord, the sample is turned 90 degree	
		around the axis of cable after 10,000 cycles.	
		The flexing is further completed in this axis.	
		Flat cable is flexed only along the bigger axis of	
		the cable.	
7.	Tumbling	The sample is dropped from a height of 50cm onto	No damage to impair
	test	a steel plate(3mm thick) for a total of 500 times.	further use of connector.
8.	Breaking capacity	The connector is connected and disconnected 50	No flashover or sustained
	test	times (100 strokes) with the inlet at a rate of 30	arcing during the test and
		strokes per minute with 275V and 1.25 times of	no damage to impair
		rated current.	further use of connector.
9.	Normal operation	Test is similar to breaking capacity except that	Withstand electric
ļ	test	the test voltage is 250V with the connector	strength at 1500V for
		connnected and disconnected with the inlet for	1 min, and show no
		1000 times (2000 strokes) with rated current and	damage.
		3000 times (6000 strokes) without current.	
10.	Temperature rise	An alternating current at 1.25 times rated current	The temperature
	test	is passed through the current carrying contacts	rise shall not exceed 45K.
	+	for 1 hour. This is repeated for connector with	
		earth contact passing current between earth	
		and each of the current carrying contacts.	
11.	Cord-anchorage	The cord is subjected to pulls of 50N(2.5A) or	The cord shall not be
	test	60N(others) for 100 times each time for 1 sec.	damaged and shall not
		without jerk. Thereafter the cord is subjected for	been displaced by more
		1 min. to a torque of 0.15Nm(0.75mm ²) or	than 2mm.
		0.25Nm(others).	
12.	Heat deformation	Samples are kept for 1 hour in a heating cabinet	No damage to impair
	test	at temperature of 100±2°C.	further use of connector.
13.	Heat pressure	A pressure of 20N is applied at a temperature of	No damage to impair
	test	100°C ± 2°C for 1 hour.	further use of connector.

DRAWN:	MOLLY	24/02/14	TITLE:
CHECK:	hongets	74/02/14	EUROPEAN & BRITISH
APPR:	Thuy.	24/2/14	APPLIANCE COUPLERS
REV:	AQ		

REFERENCE:

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NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
14.	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.
15.	Ball pressure	A ball of 5mm in diameter is applied on the	The diameter of the
	test	connector with the following temperature with	impression shall not
		20N force for 1 hour.	exceed 2mm.
		i) 125°C for hot connectors.	
		ii) 125°C for parts retaining current carrying parts	
		and earth circuit.	
		iii) 75°C for other parts for cold connector.	
		The connector is then cooled down to room	
		temperature with cold water.	

DRAWN:	MOLLY	24/02/14
CHECK:	hongto	14/02/14
APPR:	Hug	24/2/14
REV:	AQ	

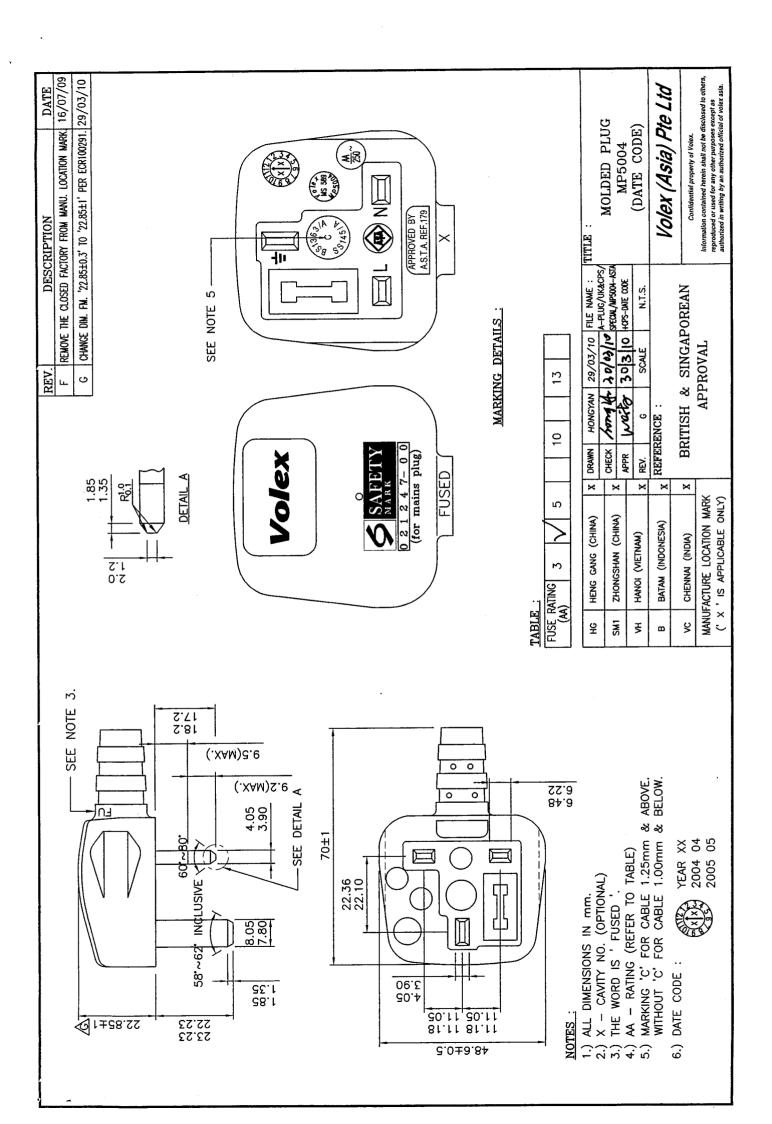
TITLE: EUROPEAN & BRITISH APPLIANCE COUPLERS

REFERENCE:

Volex (Asia) Pte Ltd

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REV.	DESCRIPTION	DATE
	ADD IN 'TYPE REFERENCE TDC 180	
F	-3A' IN REFERENCE COLUMN.	14/07/08
G	AMEND NOTE FOR ADD IN ITEM b.	29/08/08

*PRINT BLOCK TOPS WITH MACHINE NUMBERS

Bussmann BS 1362

(1) *PRINT BLOCK TOP (DOT LINE) = BUSSMANN INTERNAL IDENTIFICATION ON MACHINERY. a: DIFFERENT LOCATION/NUMBER OF DOT LINE INDICATE DIFFERENT MACHINE NUMBER USED. b: THE FUSE PRODUCE ON THE MACHINE #20 IS WITHOUT THE PRINT BLOCK TOP (DOT LINE).

OUN SM 29/08/08 WAY 19/8/08 TITLE : LEAD FREE REVISION: CHECK FUSE (3A) APPR SCALE

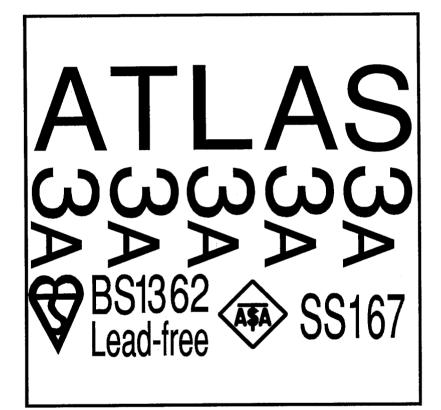
REFERENCE :

6210011

(TYPE REFERENCE TDC 180-3A)



REV.	DESCRIPTION	DATE
C	IN REFERENCE COLUMN.	31/07/08
D	CHANGE MARKING AS SHOWN.	13/11/12



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DRAWN	HONGYAN 13/11/12		TITLE : LEAD FREE
CHECK	hong (13/11/12	1.27.0.0	
APPR	NOS 13 11/17		FUSE (3A)
SCALE	N.T.S.] •	

REFERENCE :

6210001

(REFERENCE E07.003-B)

Volex

REV.	DESCRIPTION	DATE
Α	INITIAL RELEASE.	29/06/12

AsiaFuse AF63B-3A 3A BS1362 SS167

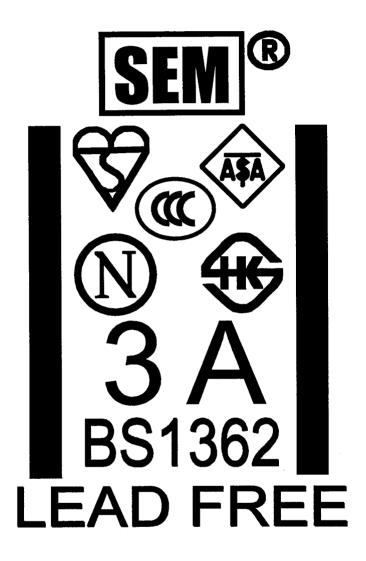




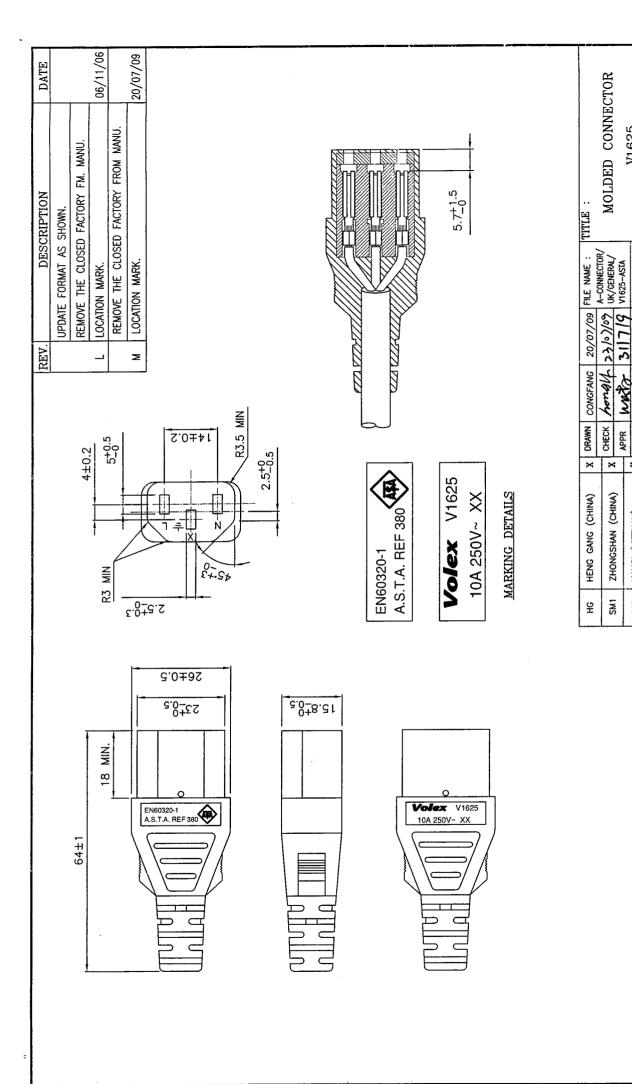
DRAWN	HONGYAN 29/06/12		TITLE :	LEAD FREE	
CHECK	21/20100 Aprosy	ALVIOION.	,,,		
APPR	Nex 24/7/12	Y		FUSE (3A)	
SCALE	N.T.S.	^			
	<u> </u>				



REV.	DATE	
Α	INITIAL RELEASE.	29/06/12



REFERENCE :				Volex	
SCALE	N.T.S.		^		
APPR	MOS	47/12	•		FUSE (3A)
CHECK	ronger	04/07/12	REVISION.		
DRAWN	HONGYAN	29/06/12	REVISION:	TITLE :	LEAD FREE



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BRITISH APPROVAL

MANUFACTURE LOCATION MARK (' X ' IS APPLICABLE ONLY)

4

CHENNAI (INDIA)

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2.) X - CAVITY NO. (OPTIONAL)3.) XX - MANUFACTURING LOCATION.

1.) ALL DIMENSIONS IN mm.

NOTE :

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Volex (Asia) Pte Ltd

V1625

N.T.S.

SCALE

X REFERENCE

BATAM (INDONESIA)

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X

HANOI (VIETNAM)

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