SPECIFICATION

FOR

BRITISH POWER SUPPLY CORDSET (PB FR)

CORD : H03VV-F 3X0.75mm² PVC LEAD FREE

CUSTOMER : VPE/RS COMPONENTS

CUSTOMER'S PART No. : 311-9359-ØØØ

VOLEX'S SPEC. REF. No. : 142801/5

ISSUE No. : 006

DATE : 16TH JUNE 2021

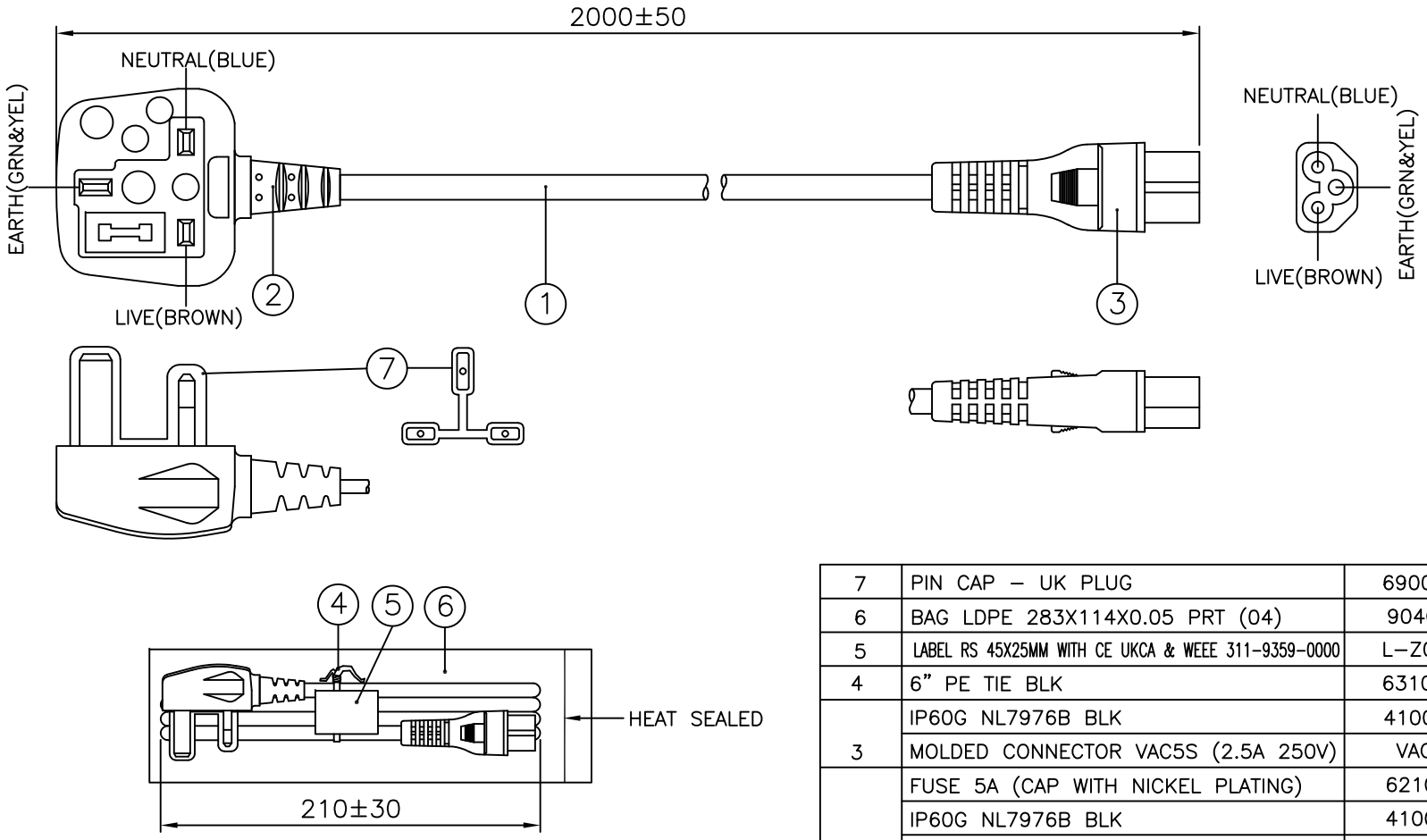
CUSTOMER APPROVED :

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

AMENDMENT RECORD

REF. No.	DESCRIPTION OF CHANGES	DATE
142801/5	(1) FIRST SUBMISSION.	05/08/14
(HG07-173-14)		
ISSUE : 001		
142801/5	(1) CHANGE CABLE MARKING FM. 'INK MARK' TO 'INDENTED'	03/01/18
(EVPE11-128-17)	& REMOVE ITS ITEM No. '1210456' ON ASSEMBLY DWG. PAGE.	
ISSUE : 002	(2) UPDATE LABEL DWG. PAGE.	
	(3) UPDATE CABLE MARKING PAGES.	
	(4) UPDATE PLUG & CONNECTOR SPEC PAGES.	
142801/5	(1) CHANGE LABEL FM. 'VL-0538' TO 'L-T383' & REMOVE	19/02/18
(EVPE02-082-18)	NOTE 5 FROM ASSEMBLY DWG. PAGE.	
ISSUE : 003	(2) CHANGE LABEL DWG. PAGE.	
142801/5	(1) ADD IN CABLE ITEM NO. '1211369' ON ASSEMBLY DWG. PAGE.	14/03/19
(EVPE01-042-19)	(2) REMOVE CABLE SOURCE 'TONG YUAN(SHENZHEN)' FM.	
ISSUE : 004	ASSEMBLY DWG. PAGE.	
	(3) CHANGE LABEL ITEM NO. FM. 'L-T383' TO '6103559'	
	ON ASSEMBLY DWG. PAGE.	
	(4) CHANGE LABEL DWG. PAGES.	
	(5) REMOVE CABLE MARKING PAGE OF 'TONG YUAN(SHENZHEN)'.	
	(6) UPDATE PLUG & CONNECTOR SPEC PAGES.	
142801/5	(1) UPDATE LABEL DESCRIPTION IN S/N 5 AS SHOWN ON ASSEMBLY	27/11/19
(VPE11-128-19)	DWG. PAGE.	
ISSUE : 005	(2) REMOVE FUSE NUMBER '6210004' IN S/N 2 ON	
	ASSEMBLY DWG. PAGE.	
	(3) CHANGE LABEL DWG. FROM 'L-0644' TO 'L-0654' PAGES.	
	(4) UPDATE PLUG & CONNECTOR SPEC PAGES.	
	(5) REMOVE FUSE DWG. OF 'ATLAS' AND 'SEM' PAGES.	
	(6) CHANGE FUSE DWG. OF 'BUSSMANN' AND 'ASIAFUSE' PAGES.	
142801/5	(1) CHANGE LABEL WITH CE UK LOGO & ITS ITEM NO. FR.	16/06/21
(EVPE06-041-21)	'L-0654(6103559)' TO 'L-Z015' ON ASSEMBLY DWG. PAGE.	
ISSUE : 006	(2) CHANGE LABEL DWG. PAGES.	
	(3) UPDATE PLUG'S AND CONNECTOR'S SPEC PAGES.	



S/N	DESCRIPTION	ITEM NUMBER	QTY
7	PIN CAP – UK PLUG	6900058	1
6	BAG LDPE 283X114X0.05 PRT (04)	904028	1
5	LABEL RS 45X25MM WITH CE UKCA & WEEE 311-9359-0000	L–Z015	1
4	6" PE TIE BLK	6310056	1
3	IP60G NL7976B BLK	4100115	–
	MOLDED CONNECTOR VAC5S (2.5A 250V)	VAC5S	1
2	FUSE 5A (CAP WITH NICKEL PLATING)	6210012	1
	IP60G NL7976B BLK	4100115	–
	MOLDED PLUG MP5004A (5A 250V)	MP5004–3	1
1	H03VV–F 3X0.75 BLK LF(INDENT)	1211369	1

TITLE : BRITISH POWER SUPPLY CORDSET (PB FR)					SCALE : N.T.S.
CUSTOMER : VPE/RS COMPONENTS					PAGE : 1/1
CUSTOMER PART NUMBER : 311–9359–ØØØØ					ISSUE 006
Reference Number : 142801/5 (EVPE06–041–21)					
SALES :	QA :	ENGRG : Eamon	CHECKED BY : Wai Fong	DRAWN BY : FAN LIAN	Volex (Asia) Pte Ltd
Date :	Date :	Date : 28/06/21	Date : 25/06/21	Date : 16/06/21	

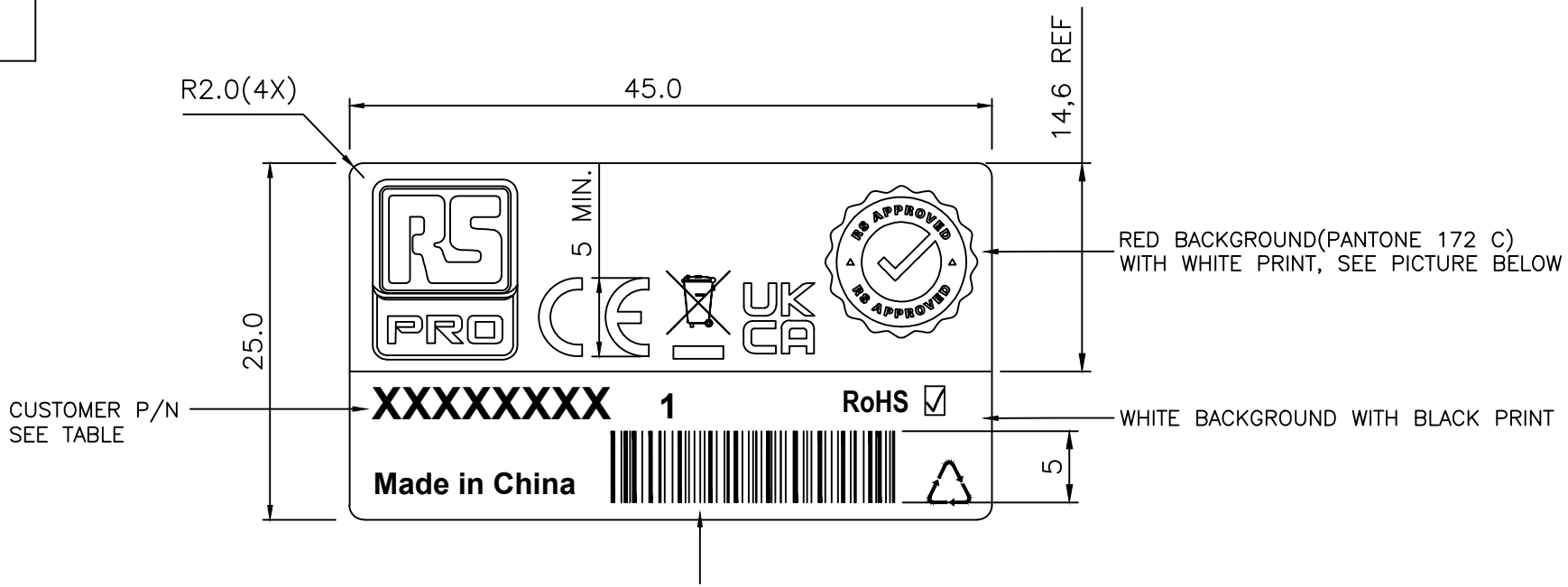
APPROVED SOURCE FOR CABLE

1. BAO HING(SHENZHEN).

NOTE :

1. ALL DIMENSIONS IN mm.
2. THE CORD SHALL COMPLY WITH EN 50525–2–11.
3. THE MOLDED PLUG SHALL COMPLY WITH BS 1363–1.
4. THE MOLDED CONNECTOR SHALL COMPLY WITH IEC 60320–1 OR EN 60320–1.
5. THIS PART CAN BE MANUFACTURED AT ANY LOCATION WHICH HAS SAFETY APPROVAL.

DRAWING NUMBER :	REVISION :
L–Z015	1



PICTURE FOR COLOUR PRINT

			REV	IMM/ECR	BY	DATE	REV	IMM/ECR	BY	DATE	TITLE :					
DRAWN :	ALICE										RS LABEL 45X25MM WITH CE & UKCA & WEEE LOGO					Volex (Asia) Pte Ltd
RELEASED :	22/01/19		1	ECN006-21	Eamon	11/06/21										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.
	SIGN	DATE									ITEM NO.:	FILENAME :	SCALE :	PROJ. :	PAGE :	
CHECKED :											SEE TABLE	..\LABEL\PREPRINTED\L-0654	2 : 1	THIRD ANGLE	1/2	
APPROVED :																

DRAWING NUMBER :	REVISION :
L-Z015	1

TABLE

CUSTOMER P/N	ITEM NO.
1247409	6103431-XXXX
1468803	6103441-XXXX
1468804	6103442-XXXX
1469102	6103443-XXXX
1469103	6103444-XXXX
1469104	6103445-XXXX
1469105	6103446-XXXX
1469106	6103447-XXXX
1469107	6103448-XXXX
1469108	6103449-XXXX
1469109	6103450-XXXX
1469110	6103451-XXXX
321180	6103473-XXXX
321196	6103474-XXXX
321219	6103476-XXXX
426424	6103478-XXXX
7316166	6103497-XXXX
7316175	6103498-XXXX
7440925	6103501-XXXX
7440929	6103502-XXXX
7440931	6103503-XXXX
7440941	6103505-XXXX
8188909	6103508-XXXX
8188912	6103509-XXXX
9010753	6103512-XXXX
9092156	6103513-XXXX

CUSTOMER P/N	ITEM NO.
9092193	6103524-XXXX
445 740	6103528-XXXX
449 297	6103529-XXXX
449 326	6103530-XXXX
815 846	6103531-XXXX
268 2610	6103532-XXXX
311 9315	6103533-XXXX
262 1126 0001	6103535-XXXX
262 1154 0001	6103536-XXXX
262 1160 0001	6103537-XXXX
262 1176 0001	6103538-XXXX
262 1182 0001	6103539-XXXX
680 3798 0001	6103540-XXXX
426 373 0001	6103541-XXXX
426 389 0001	6103542-XXXX
426 395 0001	6103543-XXXX
426 402 0001	6103544-XXXX
426 418 0001	6103545-XXXX
452 669 0001	6103546-XXXX
487 277 0001	6103547-XXXX
487 277 0010	6103548-XXXX
489 201 0001	6103549-XXXX
489 217 0001	6103550-XXXX
489 346 0001	6103551-XXXX
489 352 0001	6103552-XXXX
311-9337-0000	6103558-XXXX

CUSTOMER P/N	ITEM NO.
311-9359-0000	6103559-XXXX
1230935	6103686-XXXX
1230938	6103687-XXXX
1230951	6103688-XXXX
1230952	6103689-XXXX
1230953	6103690-XXXX
7316153	6103693-XXXX
7440922	6103694-XXXX

CUSTOMER P/N	ITEM NO.

			REV	IMM/ECR	BY	DATE	REV	IMM/ECR	BY	DATE
DRAWN :	ALICE		1	ECN006-21	Eamon	11/06/21				
RELEASED :	22/01/19									
	SIGN	DATE								
CHECKED :										
APPROVED :										

TITLE :				
RS LABEL 45X25MM WITH CE & UKCA & WEEE LOGO				
ITEM NO.:	FILENAME :	SCALE :	PROJ. :	PAGE :
SEE TABLE	..\LABEL\PREPRINTED\L-0654	2 : 1	THIRD ANGLE	2/2

Volex (Asia) Pte Ltd

REV.	DESCRIPTION	DATE
D	UPDATE VALUE AS PRODUCT SAFETY.	03/08/04
E	CHANGE THE COMPLIANCE STANDARD PER SAFETY.	
	UPDATE FORMAT AS SHOWN.	19/12/13

1. PVC FLEXIBLE CORD

1.1 SCOPE

This specification shall be in accordance with EN 50525-2-11. ⚠E

1.2 CONSTRUCTION

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

ITEM		UNIT	SPEC. VALUE
TEMPERATURE RATING		°C	70
RATED VOLTAGE		V	300/300
NO. OF CORE		NO.	3
CONDUCTOR NOMINAL AREA		mm^2	0.75
MIN. AVE. THICKNESS OF INSULATION		mm	0.50
MIN. THICKNESS AT ANY POINT OF INSULATION		mm	0.35
MIN. AVE. THICKNESS OF JACKET		mm	0.60
MIN. THICKNESS AT ANY POINT OF JACKET		mm	0.41
OVERALL DIAMETER OF JACKET		mm	5.20~6.70
DIELECTRIC-STRENGTH TEST-IMMERSED IN WATER 20±5°C FOR MINIMUM 1 HR	ON COMPLETED CABLE	–	2000V for 15 mins(minimum)
	ON CORES	–	1500V 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 TEST (70°C)		MΩ/km	> 0.01
CONDUCTOR RESISTANCE TEST (20°C)		Ω/km	⩽ 26

TITLE : CABLE SPECIFICATION
EUROPEAN APPROVED POWER SUPPLY CABLE
H03VV-F 3X0.75mm²

SPEC NO. :	APPROVED BY :	CHECKED BY :	DRAWN BY :	REVISION :	⚠E Volex (Asia) Pte Ltd
CS-012EU	DATE : 23/12/13	DATE : 20/12/13	DATE : 19/12/13	PAGE : 1/1	

REV.	DESCRIPTION	DATE
	ADD IN '(EU/SAA/SAB/IEC)' ON TITLE.	
B	UPDATE FORMAT AS SHOWN.	24/01/05
C	ADD NEW MARKING AS SHOWN.	02/01/18

CABLE MARKING

BAO HING(SHENZHEN)

H03VV-F 3G0.75mm² ◁VDE▷ KEMA-KEUR +ᔕ +ᔕ +ᔕ ◁öVE▷
CEBEC IEMMEQU SABS 1574 Ⓢ Ⓝ Ⓓ Ⓕⓘ BAOHING LTSA-3
N14586 CE LF

OR

△C H03VV-F 3G0.75mm² ◁VDE▷ KEMA-KEUR +ᔕ +ᔕ +ᔕ ◁öVE▷
CEBEC IEMMEQU Ⓢ Ⓝ Ⓓ Ⓕⓘ BAOHING LTSA-3
N14586 CE LF

DRAWN	LI XIA	02/01/18	FILENAME : CABLE MARKING/BH/H03W-F 3X0.75 LF-BH
CHECK	Feng	02/01/18	
APPR	keith	03/01/18	
SCALE	N.T.S.	REV.	C

TITLE : CABLE MARKING (EU/SAA/SAB/IEC)

REFERENCE :

H03VV-F 3G0.75mm² LF

Volex (Asia) Pte Ltd

2. PLUG

REV	DESCRIPTION	DATE
AH	ADD IN CATALOG NO. VNBUK13A3B & VNBUK13A2B.	09/05/20
AI	ADD IN CATALOG NO. DS13CA2.	06/11/20

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, DLUK10S3, VNUK13A3, LSUK13THA3, VNUK13A2, CSUK13A3 , VBUK13A2, VNBUK13A2, VNBUK13A3,VNBUK13A2B , VNBUK13A3B***&DS13CA2.***

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:	ROBIN LIU	06/11/20	TITLE :
CHECK:	ROBIN	06/11/20	BRITISH PLUG
APPR:	Feng	06/11/20	
REV:	AI		
REFERENCE:			**Volex (Asia) Pte Ltd**

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.

DRAWN:	ROBIN LIU	06/11/20	TITLE :
CHECK:	ROBIN	06/11/20	BRITISH PLUG
APPR:	Feng	06/11/20	
REV:	AI		
REFERENCE:			Volex (Asia) Pte Ltd

REV	DESCRIPTION	DATE
BE	ADD IN CATALOGUE NO. HPC13S.	31/08/20
BF	ADD IN CATALOGUE NO. VNBC5S.	11/11/20

3. CONNECTOR

3.1. SCOPE

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, DLC5CS3, VNC13S, HWC13U, VNC5S, VNC13A, VAC19LA, VAC13AD, MS225A, VNC21S, VAC5ALS , VSCC21A, VSCC21 , VNBC13S , HPC13S & ***VNBC5S*** .

"All connectors complying to Standard Sheet C5, C13, C15, C15A, C17, C19 and 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 48 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 seperately. 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.

DRAWN:	MEI MAN	11/11/20
CHECK:	Feng	11/11/20
APPR:	Chum	11/11/20
REV:	BF	
REFERENCE:		

TITLE:
EUROPEAN & BRITISH APPLIANCE COUPLERS

Volex (Asia) Pte Ltd

NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
5.	Glow wire test	Glow wire is applied for 30s with temperature of 750ºC on inserts and housings retaining contacts and 650ºC 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.
6.	Bending test	The sample shall be loaded with a weight of 10N for 0.75mm^2 or 20N for 1.00mm^2 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 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.	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 connnected 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^2) or 0.25Nm(others).	The cord shall not be damaged and shall not been displaced by more than 2mm.
12.	Heat deformation test	Samples are kept for 1 hour in a heating cabinet at temperature of 100±2°C.	No damage to impair further use of connector.
13.	Heat pressure test	A pressure of 20N is applied at a temperature of 100°C ± 2°C for 1 hour.	No damage to impair further use of connector.

DRAWN:	MEI MAN	11/11/20
CHECK:	Feng	11/11/20
APPR:	Chum	11/11/20
REV:	BF	
REFERENCE:		

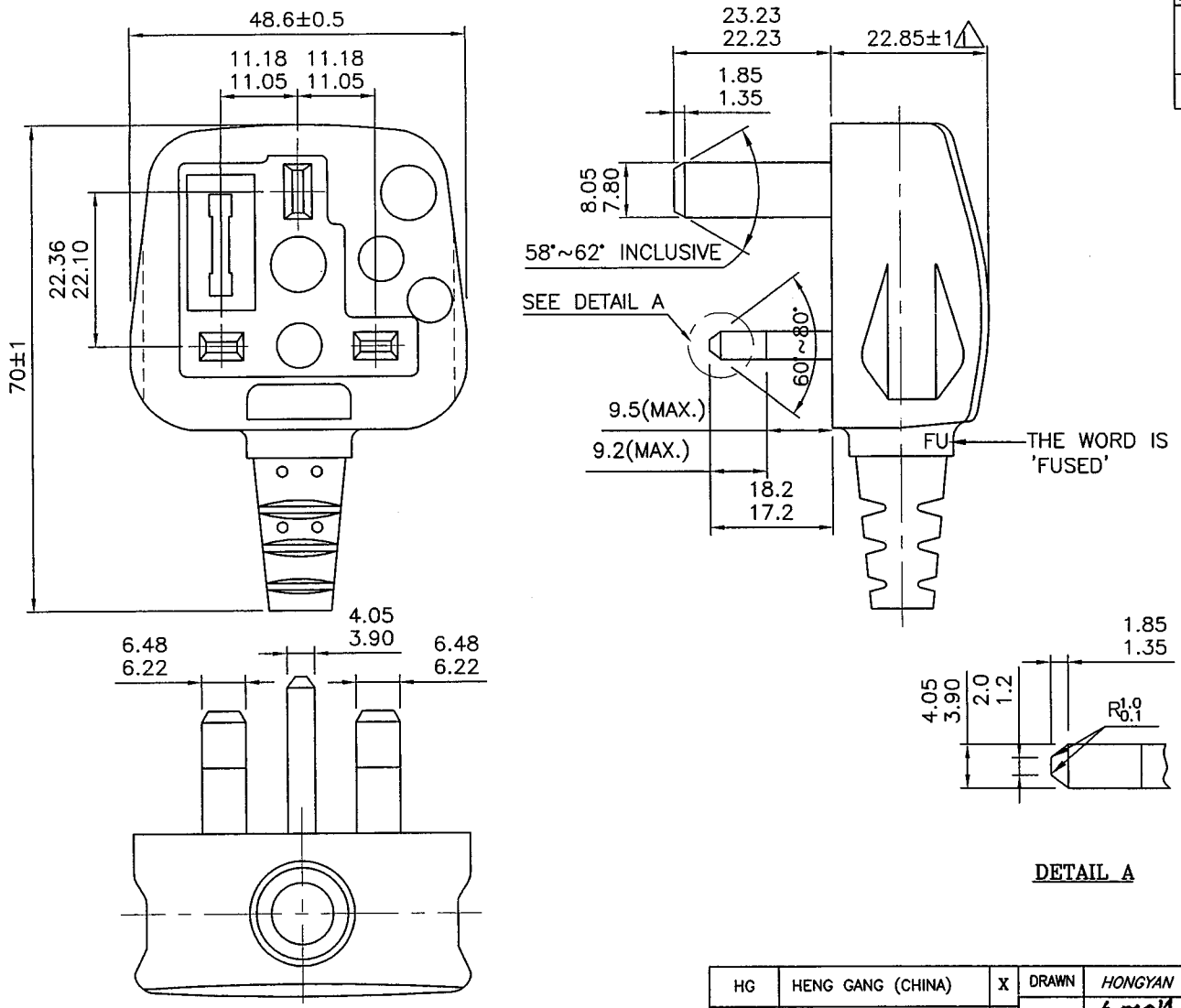
TITLE:
EUROPEAN & BRITISH APPLIANCE COUPLERS

Volex (Asia) Pte Ltd

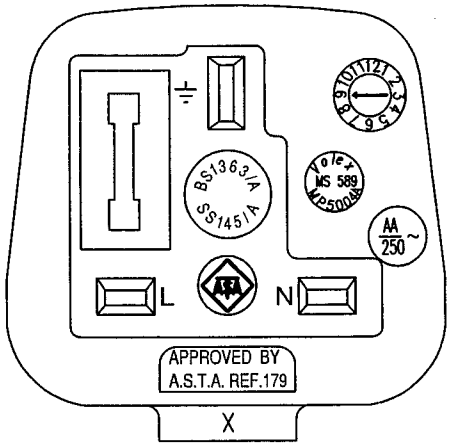
NO.	TEST ITEM	DESCRIPTION	ACCEPTANCE CRITERIA
14.	Aging test	The samples are kept for 168 hours in a heating cabinet at a temperature of 80±2°C.	No damage & marking shall be legible.
15.	Ball pressure test	A ball of 5mm in diameter is applied on the connector with the following temperature with 20N force for 1 hour. 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.	The diameter of the impression shall not exceed 2mm.

DRAWN:	MEI MAN	11/11/20	TITLE: EUROPEAN & BRITISH APPLIANCE COUPLERS
CHECK:	Feng	11/11/20	
APPR:	Chum	11/11/20	
REV:	BF		
REFERENCE:			Volex (Asia) Pte Ltd

REV.	DESCRIPTION	DATE
	REMOVE THE CLOSED FACTORY FROM MANU.	
H	LOCATION MARK.	17/07/09
I	CHANGE DIM. FM. '22.85±0.3' TO '22.85±1' PER ECR100291.	30/03/10



DETAIL A



MARKING DETAILS

NOTES :

1.) ALL DIMENSIONS IN mm.
2.) X – CAVITY NO. (OPTIONAL)
3.) AA – RATING : (REFER TO TABLE)

TABLE :

FUSE RATING (AA)	3		5	✓	10		13	

HG	HENG GANG (CHINA)	X
SM1	ZHONGSHAN (CHINA)	X
VH	HANOI (VIETNAM)	X
B	BATAM (INDONESIA)	X
VC	CHENNAI (INDIA)	X

MANUFACTURE LOCATION MARK
(' X ' IS APPLICABLE ONLY)

DRAWN	HONGYAN	30/03/10	FILE NAME : A-PLUG/UK/GENERAL/MP5004A-ASTA
CHECK		30/03/10	
APPR		30/3/10	
REV.	I	SCALE	N.T.S.

REFERENCE :

BRITISH APPROVAL

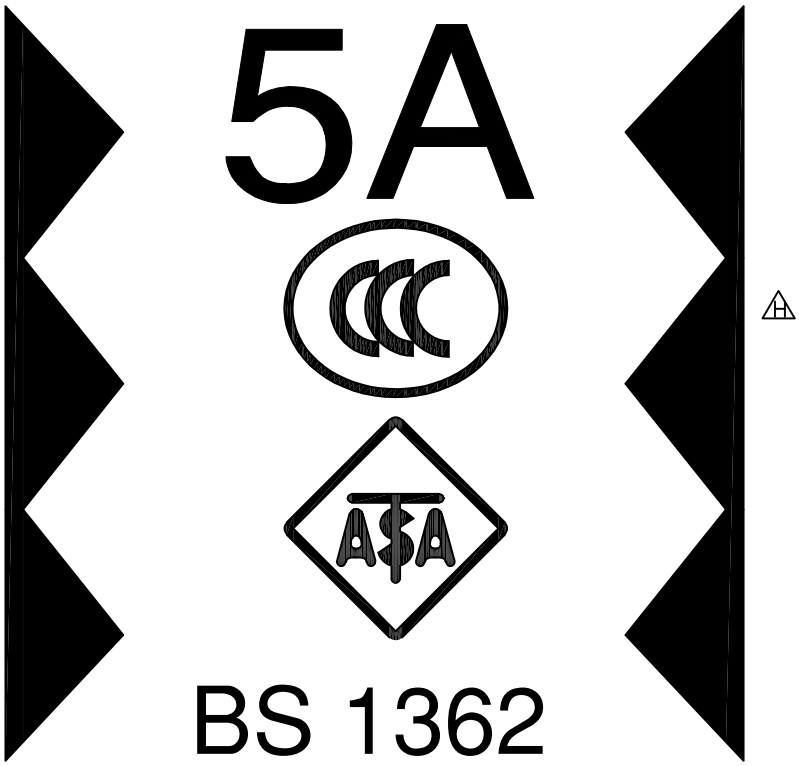
TITLE :

MOLDED PLUG
MP5004A

Volex (Asia) Pte Ltd

REV.	DESCRIPTION	DATE
G	AMEND NOTE FOR ADD IN ITEM b.	29/08/08
H	UPDATE CHINESE MARKING PER ECN011-19.	01/11/19

*PRINT BLOCK TOPS WITH MACHINE NUMBERS



NOTE:

(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).

DRAWN	PEIYUAN	01/11/19	REVISION:	TITLE : LEAD FREE FUSE (5A)
CHECK	ROBIN	01/11/19		
APPR	Jianying	04/11/19	H	
SCALE	N.T.S.			
REFERENCE : 6210012 (TYPE REFERENCE TDC 180-5A)				Volex

REV.	DESCRIPTION	DATE
B	ADD IN REFERENCE NO. '6210012'.	25/10/19
C	UPDATE CHINESE MARKING PER ECN011-19.	01/11/19

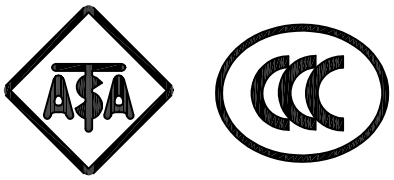
AsiaFuse

AF63B-5A

5A

BS1362

SS167



C

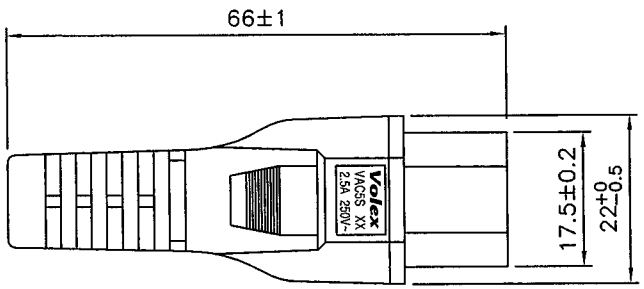
DRAWN	PEIYUAN	01/11/19	REVISION:	TITLE : LEAD FREE FUSE (5A)
CHECK	ROBIN	01/11/19		
APPR	Jianying	04/11/19	C	
SCALE	N.T.S.			

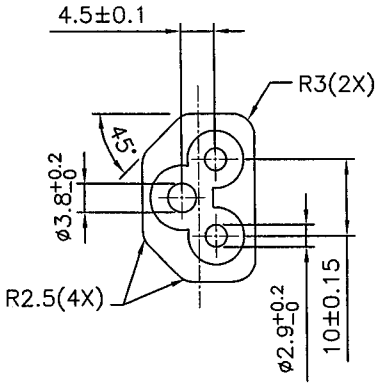
REFERENCE :

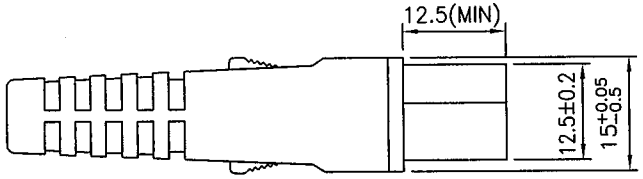
6210012

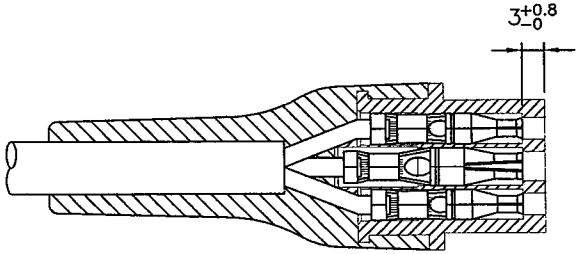
Volex

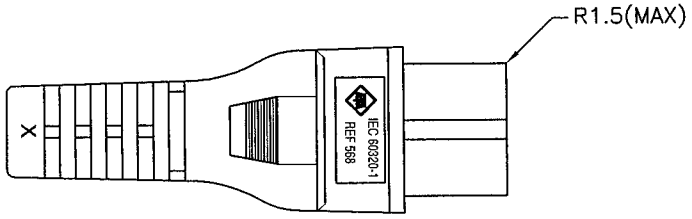
REV.	DESCRIPTION	DATE
	UPDATE FORMAT AS SHOWN.	
	REMOVE THE CLOSED FACTORY FM. MANU.	
H	LOCATION MARK.	06/11/06
	REMOVE THE CLOSED FACTORY FROM MANU.	
I	LOCATION MARK.	20/07/09











Volex
VAC5S XX
2.5A 250V~

IEC 60320-1
REF 568

MARKING DETAILS :

HG	HENG GANG (CHINA)	X
SM1	ZHONGSHAN (CHINA)	X
VH	HANOI (VIETNAM)	
B	BATAM (INDONESIA)	X
VC	CHENNAI (INDIA)	

MANUFACTURE LOCATION MARK
(' X ' IS APPLICABLE ONLY)

DRAWN	CONGFANG	20/07/09	FILE NAME : A-CONNCTOR/UK/GENERAL/VAC5S-ASTA
CHECK	hongHz	23/07/09	
APPR	Wetz	31/7/9	
REV.	I	SCALE	N.T.S.

REFERENCE :

BRITISH APPROVAL

TITLE :

MOLDED CONNECTOR
VAC5S

Volex (Asia) Pte Ltd

NOTES :

1.) ALL DIMENSIONS IN mm.
2.) X – CAVITY NO.(OPTIONAL)
3.) XX – MANUFACTURING LOCATION.