SPECIFICATION

FOR

EUROPEAN JUMPER CORDSET (PB FR)

COED : HODAN-F 3X0.75mm² PVC LEAD FREE

: ABE\EYREFT COSTOMER

CUSTOMER'S PART No. : 2490171

AOFEX, 2 SEC. REF. No.: 152522/5

IZZNE No. : 003

: 14TH JULY 2015 DATE

CUSTOMER APPROVED:

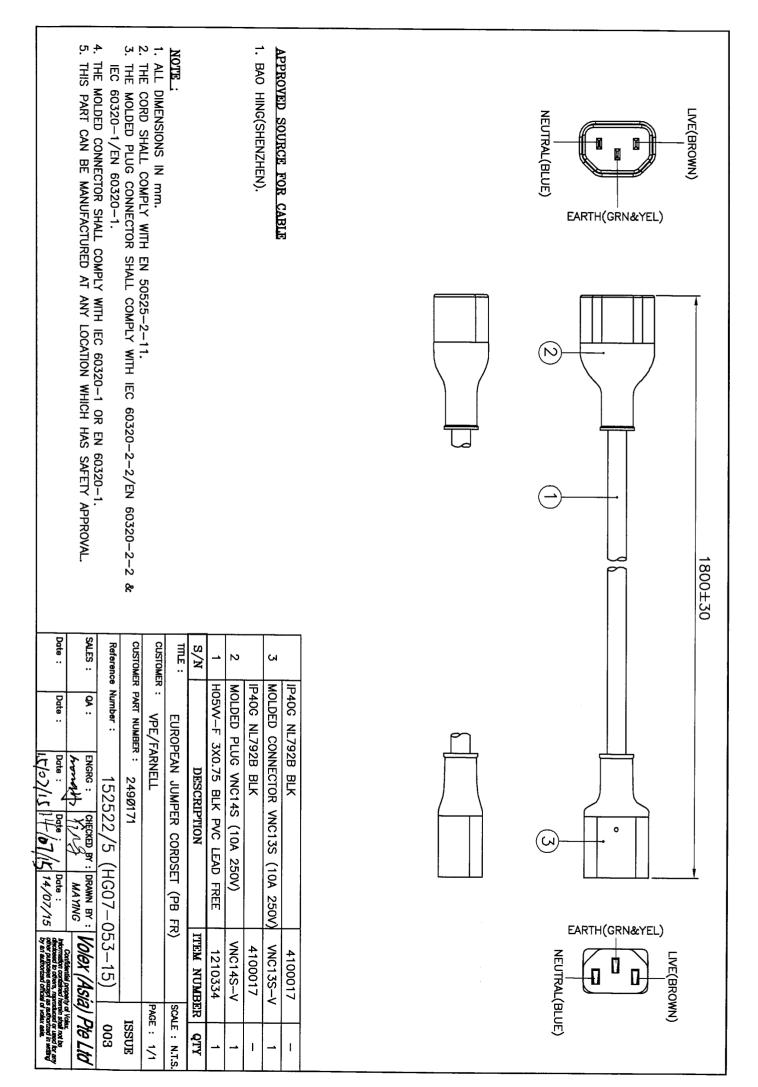
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35 Tampines St. 92 bid əfq (bisA) xəlov

Fax: (65) 6788 7822 ΣΣ87 8878 (38) : I=T Singapore 528880

WENDWENL KECOKD

-		
		ISSNE: 002
	COVER PAGE & ASSEMBLY DWG. PAGE.	(HG07-053-15)
S1/70/41	(1) CHANGE CUSTOMER P/N FM. 'VNC14S-VNC13S' TO '2490171' ON	152522/5
		IZZNE: 005
01/15/11	ASSEMBLY DWG. PAGE.	(HCO7-15)
91/70/70	(1) CHANGE CORDSET OVERALL LENGTH FM. '800±30' TO '1800±30' ON	122522/5
		ISSNE: 001
		(HCO2-500-15)
27/05/15	(1) FIRST SUBMISSION.	152522/5
DATE	DESCRIPTION OF CHANGES	REF. No.



23/12/13	UPDATE FORMAT AS SHOWN.	F
	PER SAFETY.	
	CHANGE THE COMPLIANCE STANDARD	
28/07/94	UPDATE VALUES AS PER PRODUCT SAFETY.	3
DATE	DESCRIPTION	REV.

I' BAC EFEXIBLE CORD

1.1 SCOPE

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

1.2 CONSTRUCTION

PVC	JACKET
PVC (BLUE, BROWN AND GREEN&YELLOW)	NOITAJUZNI
ANNEALED COPPER WIRE	ЯОТОПОИОО

9Z=>	IJ/km	CONDUCTOR RESISTANCE TEST (20°C)		
110.0<	MQ km	INSULATION RESISTANCE TEST (70°C)		
2000V a.c. for 5 mins.(minimum)	-	VOLTAGE TEST (D.C)		
(muminim).snim Z 101 .3.b V000Z	_	(0 0) 1311 10/1		
(muminim).enim & vot V00&f	_	FOR MINIMUM 1 HOUR ON CORES		
(muminim).anim 21 vo V0002	_	IMMERSED IN WATER 20±5°C DIELECTRIC—STRENGTH TEST ON COMPLETED CABLE		
9.7~0.8	աա	OVERALL DIAMETER OF JACKET		
85.0	աա	MIN. THICKNESS AT ANY POINT OF JACKET		
08.0	шш	MIN. AVE. THICKNESS OF JACKET		
44.0	աա	MIN. THICKNESS AT ANY POINT OF INSULATION		
09.0	աա	MIN. AVE. THICKNESS OF INSULATION		
GT.0	² mm	CONDUCTOR NOMINAL AREA		
Σ	.ON	NO. OF CORE		
009/002	٨	RATED VOLTAGE		
04	၁.	TEMPERATURE RATING		
SPEC. VALUE	TINU	ILEM		

ENGOPEAN APPROVED POWER SUPPLY CABLE SPECIFICATION

pt 049 (512A) ¥0 0) \$	KENZION:		Y	VV—IF 3	
bil bil (rish) xolov A	4	NAYONOH	efency	4	112000 55
Commoente property at Volex. Information contained herein aheil not be disclosed to others,	: 30A9	: JTAG		DATE:	
sa spoode er eny other transporter asia. Antitrodicad in writing by an authorizad official of volex asia.	1/1	53/15/13	41/21/14	41K1 04	

18/01/02	WARKING DETAILS.	Э
	REMOVE BAO HING (SUZHOU) CABLE	
	ADD IN '(EU/SAA/SAB/IEC)' ON THE TITLE.	
	UPDATE THE FORMAT AS SHOWN.	
22/10/02	ADD IN BAO HING (SU ZHOU).	8
3TA0	DESCRIPTION	REV.

CABLE MARKING

BVO HING (SHENSHEN)

BAOHING GTSA-3 N14586 \bullet LF AD5VV-F 360.75mm² \triangleleft VDEP KEMA-KEUR + \circ + \circ + \circ + \circ

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Volex (Asia) Pte Ltd			: 3:	KELEKENC
(EU/SAA/SAB/IEC)	Э	N ₂ N	.2,T.N	SCALE
V .	3X0.75 LF- BH		Mariano	Ядд∀
CYBIE WYBKING	BH\HO2\HO2AN-E CYBITE WYSKING\	50 10 81	Son	CHECK
: 3111	FILENAME :	20/10/81	CONGFANG	NWASIG

se rieproduced or used for any other purposes except as asia.

\$1/\$0/L7	ADD IN CATALOGUE NO. 'VNC14S'.	
£1/90/£0	ADD IN CATALOGUE NO. 'YACI4LA'.	Т
DATE	резсыртюн	REV

3. СОИИЕСТОЯ

3.1. SCOPE

The connector shall be in accordance with IEC 60320-2-2 \land EU 60320-2-2 & IEC 60320-1 \land EN 60320-1 : Test specification - appliance couplers.

3.2. CONSTRUCTION

 $\label{eq:locality} $$ \text{AVC14KC'}$ $$ \text{AVC14KVF'}$ $$ \text{AVC14KVB'}$ $$ \text{AVC14TV'}$ $$ \text{AVC14C'}$ $$ \text{AVC$

VAC20KAR & VAC20KC.

3.3. CHARACTERISTICS

"All Connectors complying to Standard Sheet C14 and C20"

ətingi ton İladə etəlqorb			
glow wire and molten			
upon the removal of the	and 650° C on elsewhere.		
extinguished within 30s.	20027 and housings retaining contacts		
Flame (if any) shall be self-	Glow wire is applied for 30s with temperature of	Glow wire test	·p
	after $60s \pm 5s$ of application of voltage.		
	moisture resistance test. Readings are taken	test	
mdO M & .niM	This test is measured with a D.C 500V after the	Insulation resistance	.ε
	moisture resistance tests.		
	between each contacts respectively after the		
	between current-carrying contacts and body and		
suq preskdown	eč±e00 roi beilqqs si Am001 to inernuo qiri.	1891	
No flashover	Voltages of 3000V±60V and 1500 V±60V, with	Electric strength	٦.
	duration of 48 hours.		
	to 95% and a temperature of 20°C-30°C for a		
	taining air with a relative humidity between 91	test	
No damage	Samples are kept in a humidity cabinet con-	Moisture resistance	1.
CRITERIA	DESCKILLION	LEST ITEM	.ON
ACCEPTANCE			

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Volex (Asia) Pte Ltd			KEFERENCE:
		C U	KEV:
FUUG CONNECTOR	5150/82	pro-	УРР <i>R</i> :
EUROPEAN & BRITISH	51/50/22	evil	снеск:
TITLE:	\$1/\$0/L7	DNIYAM	DKAWN:

paper.

	temperature with cold water.		T
	The connector is then cooled down to room		
	iii) 75°C for other parts for cold connector. The corrector is then cooled down to room		
	and earth circuit.		
	ii) 125°C for parts retaining current carrying parts		
:IIIII7 paaaya	i) 125°C for hot connectors.		
exceed 2mm.	20N force for 1 hour.	1001	
ton llada noisserimi	connector with the following temperature with	test	
The diameter of the	A ball of 5mm in diameter is applied on the	Ball pressure	12.
shall be legible.	cabinet at a temperature of 80±2°C.	1est	
No damage & marking	The samples are kept for 168 hours in a heating	gnigA	11.
further use of connector.	$100^{\circ}C \pm 2^{\circ}C$ for 1 hour.	test	
No damage to impair	A pressure of 20N is applied at a temperature of	Heat pressure	10.
further use of connector.	at temperature of $100\pm2^{\circ}C$.	test	1
No damage to impair	Samples are kept for I hour in a heating cabinet	Heat deformation	.6
	0.25Nm(others).		1
than 2mm.	I min. to a torque of $0.15 \mathrm{Mm}(0.75 \mathrm{mm}^2)$ or		
been displaced by more	without jerk. Thereafter the cord is subjected for		
damaged and shall not	60N(others) for 100 times each time for 1 sec.	test	
The cord shall not be	The cord is subjected to pulls of 50N(2.5A) or	Cord-anchorage	.8
	and each of the current carrying contacts.		+
	earth contact passing current between earth		
	for 1 hour. This is repeated for connector with		
rise shall not exceed 45K.	is passed through the current carrying contacts	1891	
The temperature	An alternating current at 1.25 times rated current	Temperature rise	٦.
further use of connector.	a steel plate(3mm thick) for a total of 500 times.	1891	
No damage to impair	The sample is dropped from a height of 50cm onto		
rionmi ot ocomob old		gnildmuT	.9
	the cable.		
	Flat cable is flexed only along the bigger axis of		
	The flexing is further completed in this axis.		
	around the axis of cable after 10,000 cycles.		
	For round cord, the sample is turned 90 degree		
insulation.	20,000.A rated current is applied.		
not have pierced the	side of the vertical) the number of flexing being		
Broken conductor shall	forward through an angle of 90°(45° on either		
of any of the conductor.	oscillating member shall be moved backward and		
preakage	for 0.75mm ² or 20M for 1.00mm or bigger and the	1891	
There shall be no complete	The sample shall be loaded with a weight of 10M	Bending	5.
CRITERIA	DESCKIBLION	LEST ITEM	ON.
ACCEPTANCE			

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Volex (Asia) Pte Ltu			KEŁEKENCE:
	, ,	O 0 1	REV:
PLUG CONNECTOR	515082	Ford	:Я 4 4А
EUROPEAN & BRITISH	S/150/LE	gris 1	снеск:
TITLE:	\$1/\$0/L7	DNIYAM	DRAWN:

\$1/+0/67	ADD IN CATALOGUE NO. HWC13U.	TA
\$1/40/80	ADD IN CATALOGUE NO. VNC13S.	SA
DATE	DESCEILLION	КEЛ

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, APC13C, APC13G, VAC13G, V

3.3. CHARACTERISTICS

TITLE:	\$1/40/67	нибюис	DKYMN:			
temperature rise test.	.suiq	C±2°C on the	of 120°0	tempera		T
The test is repeated after	i	or hot connec				
TYAAMTTOTTOTA	i .	nentary weigh				
withdrawn.	1	%06 si doidw :				
The connector must be	veight consist					
height of 5cm and drop.		re socket hang				
weight is lifted from a	i	es.The connec				
If not the supplementary		shroud dimen				
withdrawn from the socket.	g pin dimension					
ed lishs rotoennoo ədT (ii	washdiw bas tr					
			tor is tested s			1
	ədi Yo	eloq laubivib	tor). Each in	couuec		
more than 3 seconds.		î N2) N2.I îo				
from the connector for		together with			1891	
should not be withdrawn		iəani si noisnə			force	
thgisw sht thiw niq shT (i	əbsm niq əlg	gais A - (Adl :	1.5M (2M for	.miM (i	Withdrawal	.4.
	ltage.	lication of vo	qqs to $sc \pm sc$	after 60		
	are taken	est.Readings	re resistance t	utsiom	1891	
mdO M & .miM	500V after the	d with a D.C 5	st is measure	or sidT	Insulation resistance	3.
			re resistance i			
		ts respectively				
	and body and	ving contacts	n current-car	betwee		
and breakdown	lied for 60s±5s	lqqs si Am001	o tnermo q	min. tri	18 9 1	ļ
No flashover	diw ,V00±V0	0081 bas V00	±V000£ to se	Voltag	Electric strength	7.
		•,	n of 48 hours	oitsrub		
		0° 02 To eruts		1		
_		ative humidity			test	
No damage	binet con-	a humidity ca	ss are kept in	Sample	Moisture resistance	1.
ACCEPTANCE CRITERIA	N	SCRIPTIO	DE		TEST ITEM	ON.
TOLVEDTANICE					CLEKIZLICZ	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\

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EUROPEAN & BRITISH	51/40/6C	BUOISTIMA	снеск:
TITLE:	\$1/\$0/67	нибюис	DKYMM:

further use of connector.	$100^{\circ}C \pm 2^{\circ}C$ for 1 hour.	1S91	
No damage to impair	A pressure of 20M is applied at a temperature of	Heat pressure	.£1
further use of connector.	at temperature of 100±2°C.	test	
No damage to impair	Samples are kept for 1 hour in a heating cabinet	Heat deformation	15.
	0.25Vm(others).		
than 2mm.	To it is to storque of 0.15 Nm(0.75mm ²) or		
been displaced by more	without jerk. Thereafter the cord is subjected for		
damaged and shall not	60N(others) for 100 times each time for 1 sec.	test	
The cord shall not be	The cord is subjected to pulls of 50N(2.5A) or	Cord-anchorage	.11
	and each of the current carrying contacts.		
	earth contact passing current between earth		
	for 1 hour. This is repeated for connector with		
rise shall not exceed 45K.	is passed through the current carrying contacts	test	
The temperature	An alternating current at 1.25 timer rated current	Temperature rise	.01
	3000 times (6000 strokes) without current.		
damage.	1000 times (2000 strokes) with rated current and		
on wode bas, aim I	commected and disconnected with the inlet for		
strength at 1500V for	the test voltage is 250V with the connector	test	
Withstand electric	Test is similar to breaking capacity except that	Normal operation	.6
further use of connector.	rated current.		
no damage to impair	strokes per minute with 275V and 1.25 times of		
arcing during the test and	times (100 strokes) with the inlet at a rate of 30	1891	
No flashover or sustained	The connector is connected and disconnected 50	Breaking capacity	.8
further use of connector.	a steel plate(3mm thick) for a total of 500 times.	1251	
No damage to impair	The sample is dropped from a height of $50cm$ onto	gnildmuT	٠.
	the cable.		
	Flat cable is flexed only along the bigger axis of		
	The flexing is further completed in this axis.		
	around the axis of cable after 10,000 cycles.		
	For round cord, the sample is turned 90 degree		
	A.000,02 rated current is applied.		
pierced the insulation.	side of the vertical) the number of flexing being		
conductor shall not have	forward through an angle of $90^{\circ}(45^{\circ}$ on either		
conductor. Broken	oscillating member shall be moved backward and		
breakage of any of the	or 20.7 2 or 2004 for 1.00mm 2 or bigger and the	1891	
There shall be no complete	The sample shall be loaded with a weight of 10N	Bending	.9
paper.		-	
droplets shall not ignite			
glow wire and molten			
upon the removal of the	and 650° C on elsewhere.		
extinguished within 30s.	750°C on inserts and housings retaining contacts		
Flame (if any) shall be self-	Glow wire is applied for 30s with temperature of	Glow wire test	۶.
CKITERIA			
ACCEPTANCE	DESCEIPTION	TEST ITEM	ON.

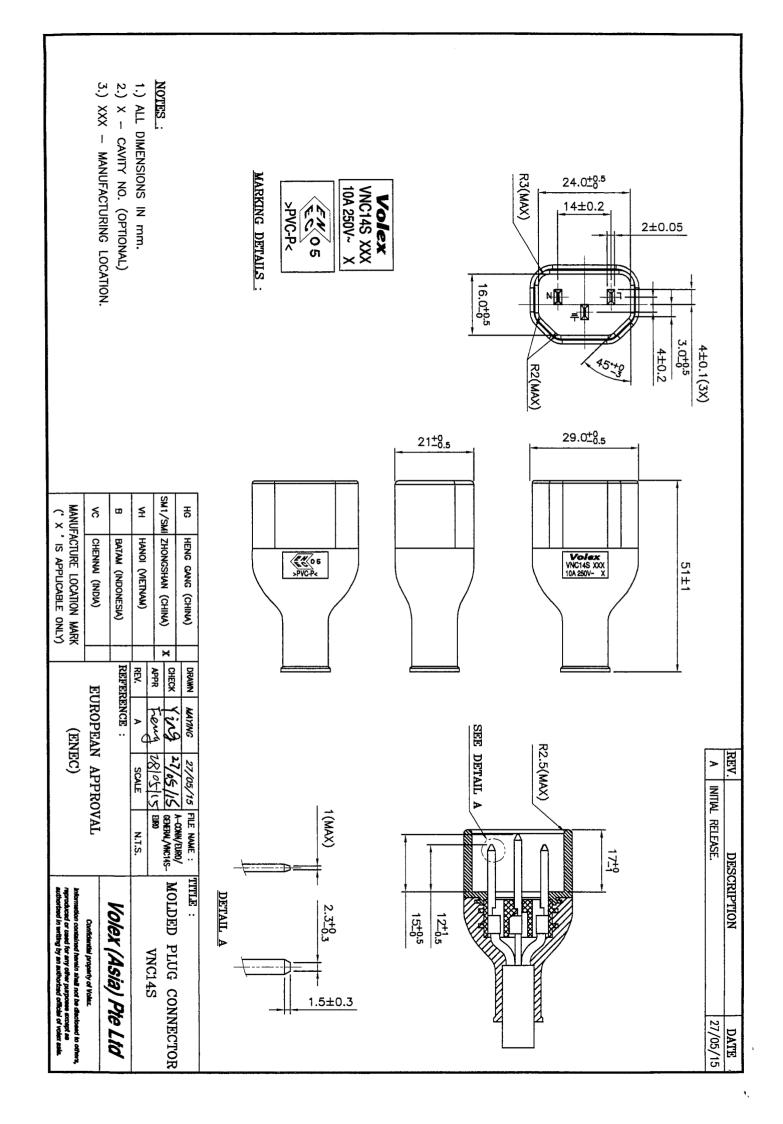
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	temperature with cold water.		
	The connector is then cooled down to room		
	iii) 75°C for other parts for cold connector.		
	and earth circuit.		
	ii) 125°C for parts retaining current carrying parts		
	i) 125°C for hot connectors.		
exceed 2mm.	20N force for 1 hour.		
impression shall not	connector with the following temperature with	1891	į
The diameter of the	ent no beliqqs si resembian in mmc to llad A	Ball pressure	15.
shall be legible.	cabinet at a temperature of 80±2°C.	1891	
No damage & marking	The samples are kept for 168 hours in a heating	gnigA	.4I
CRITERIA	DESCRIPTION	TEST ITEM	ON.
ACCEPTANCE			1

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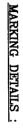
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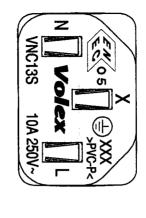
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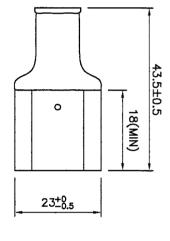
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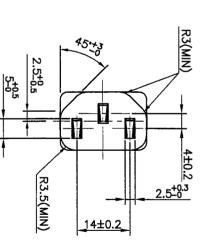


15.8⁺⁰.5

5.7-0.5







5+0.5	2.5+0.5	45:43	R3(MIN)
	R3.5(MIN)	14±0.2	4+ 10 2.5+0.3 2.5+0.3

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