ADELA ELECTRICALS PVT. LTD.			
Part Name	**Power Cord 3CX0.75sqmm 1.83 Mtr. Black**	**Revision**	**0.00**
		Page No.	**1 of**

SPECIFICATION FOR APPROVAL

Customer : MAG

Item Name : Power Cord

Item Description : Power Cord 3CX 0.75 SQMM 1.83 Mtr. Black

Customer Part No. : CBA-N-IND-M

Adela Part No. : 900300XX

Prepared By	Checked By	Approved By	Date
Naveen Kumar	Naveen Verma	Akhilesh Gupta	13.06.2026

INDEX

RIVISION HISTORY

Rev.No	Revision	Rev.By	Date of Rev.
0.00	Initial Released	Saurabh Mishra	13.06.2026

SPECIFICATION

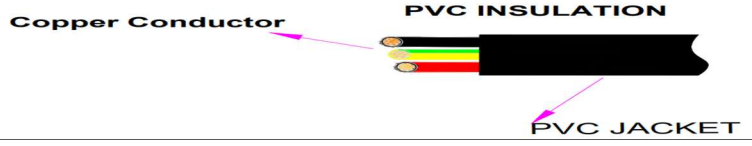
1. SCOPE

This specification is applied to power supply cord confirming for IS:694 and IS:1293 standards.

2. CONSTRUCTION AND DIMENSION

In accordance to with the following tables and attached drawings.

Item	Cat. No.	Rating		Approved No.
		A	V	AEPL
Plug	AE-408	16.0	250	Sonipat-CM/L-9100121697
Connector	AE-501	10	250	

Flexible Cord					3CX1.0 MM²			
Approved No.					CM/L-9100121798			
Rating					1100V 70ºC			
Conductor		**Insulation**			**Jacket**			**Conductor Resistance**
Nominal (mm²)	**Composition (pcs/mm)**	**Avg. thickness (mm)**	**Min. thickness (mm)**	**Diameter (mm)**	**Avg. thickness (mm)**	**Min. thickness (mm)**	**Diameter (mm)**	**Max.26Ω/km at 20ºC**
1.0	24/ϕ 0.20, ± 0.0015	0.6	0.46	ϕ2.35±0.1	0.9	0.69	ϕ 6.90 ±0.20	In case of dispute, conductor resistance shall be refereed method
								Insulation Colour
								Red
								Black
								YG

3. CABLE MARKING ON THE SHEATH

adela® Cables 1100 VOLTS 0.75 MM² X 3 CORE ISI IS:694 1100V CM/L-9100121798 made in India

4. PLUG MARKING

Sonipat- CM/L-9100121697

adela GO. TRUST.	ADELA ELECTRICALS PVT. LTD.		
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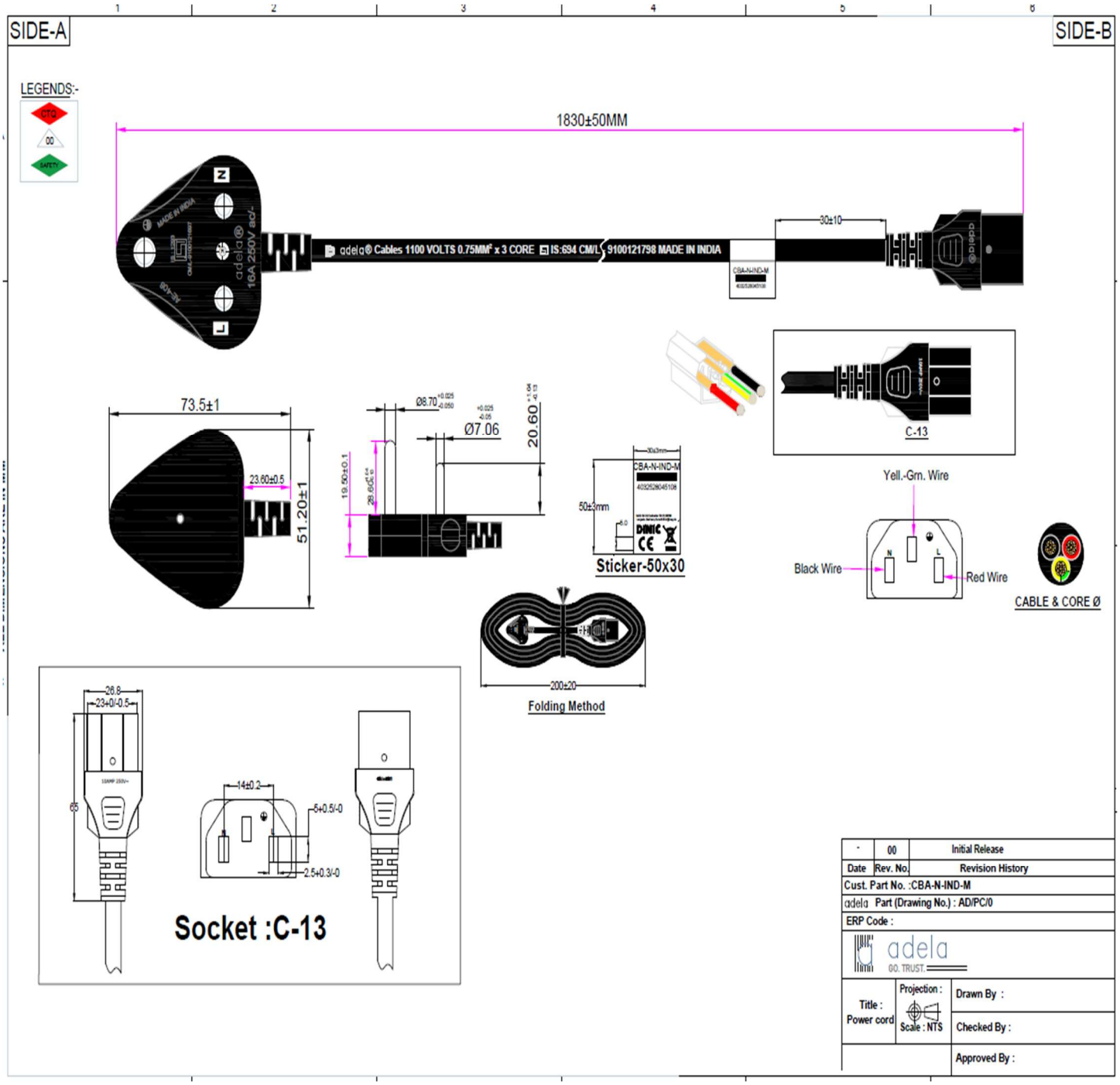
PRODUCT DRAWING



ADELA ELECTRICALS PVT. LTD.

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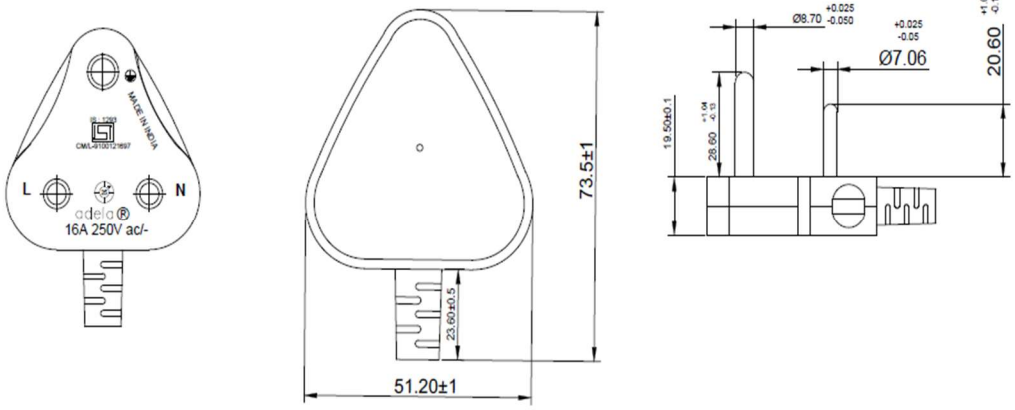
PLUG DRAWING

Plug Design:-



XX-XX-XX	00	Initial Release
Date Rev. No.		Revision History
Customer Part No. : 3 PIN 16amp PLUG DESIGN		
adela Part (Drawing No.) : AD/PC/0		
ERP Code :		
adela GO. TRUST.		
Title : 3 PIN 16AMP PLUG	Projection : Scale : NTS	Drawn By :
		Checked By :
ALL THE DIMENSIONS ARE IN		Approved By :

ADELA ELECTRICALS PVT. LTD.

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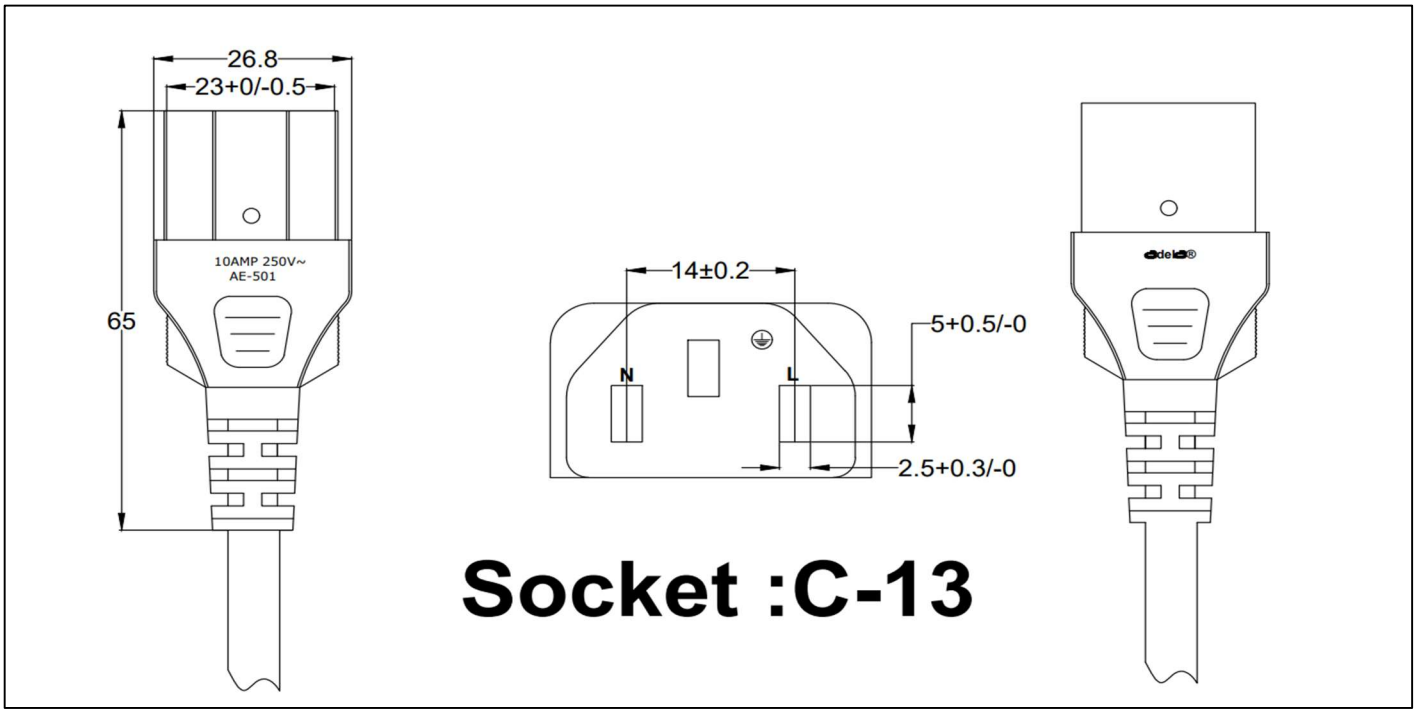
C13 SOCKET DRAWING



PRODUCT PICTURE

ADELA ELECTRICALS PVT. LTD.

Part Name	Power Cord 3CX0.75sqmm 1.83 Mtr. Black	Revision	0.00
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Plug

C13 Socket

Cable Printing Detail

Product Picture

ADELA ELECTRICALS PVT. LTD.

Part Name	Power Cord 3CX0.75sqmm 1.83 Mtr. Black	Revision	0.00
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MATERIAL CERTIFICATE

This is to certify that material being used for making the Part Name: Power cord, Part no. 3PIPOC3CX1MM16A1 of as follow.

S. No.	Name	Part No.	Specified in Drawing	Used (Mention with Grade)	Maker Name	Approved Source (Y/N)	Maker Name	Approve d Source (Y/N)
1	Cable	IS:694 Cord (Black, Red,YG)	Cable BIS 0.75 SQMM Black	PVC, Copper & Master Batch	Adela	Y	In-house	Y
2	Insert	16 AMP INSERT	3 Pin 16 Amp Insert	Brass,PBT	Snell Brass/Ravi Brass	Y	Local	Y
3	Molding PVC	Black PVC	PVC	PVC	Adela	Y	In-house	Y
4	Terminal	HX-DY-PT	HX-DY-PT	Brass	HX	Y	Local	Y
5	Housing	HX-DY01	HX-DY01	Nylon	HX	Y	Import	Y
6	Binding Tie	Wire Tie	Binding Tie	PVC,GI	Adela	Y	In-house	Y

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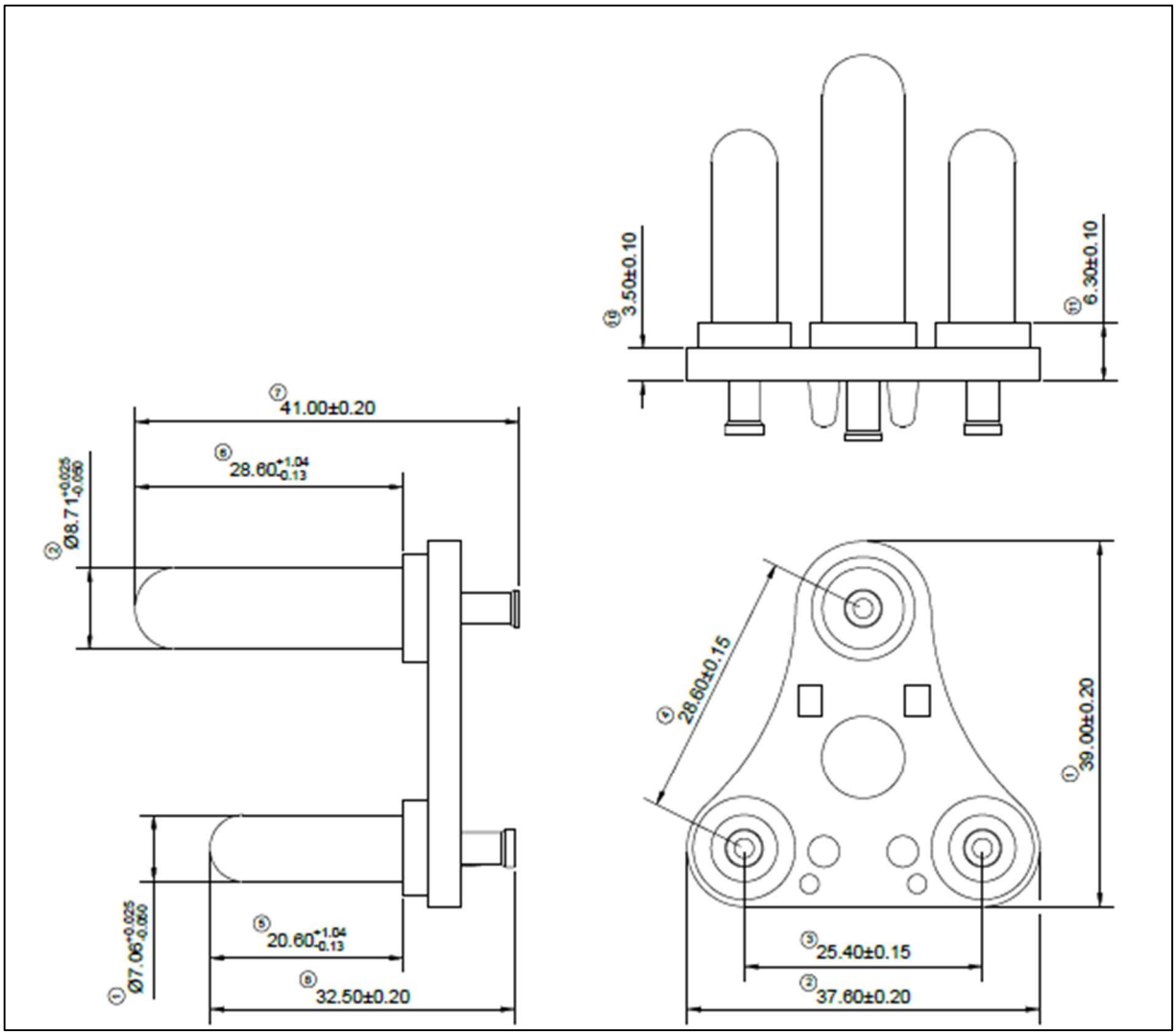
3 PIN 16 AMP INSERT DRAWING



adela GO. TRUST. **ADELA ELECTRICALS PVT. LTD.**			
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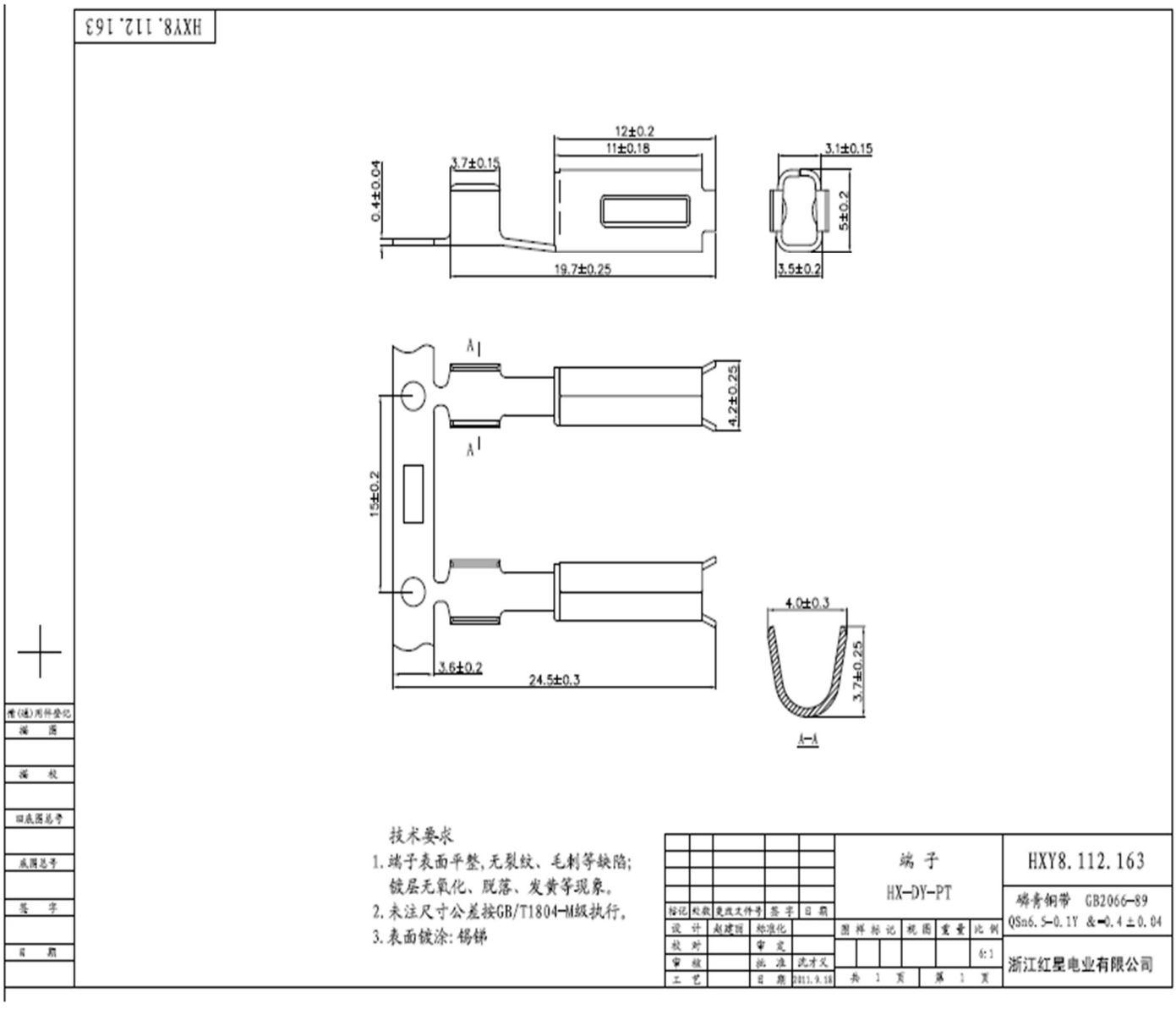
C13 TERMINAL DRAWING



ADELA ELECTRICALS PVT. LTD.			
Part Name	**Power Cord 3CX0.75sqmm 1.83 Mtr. Black**	**Revision**	**0.00**
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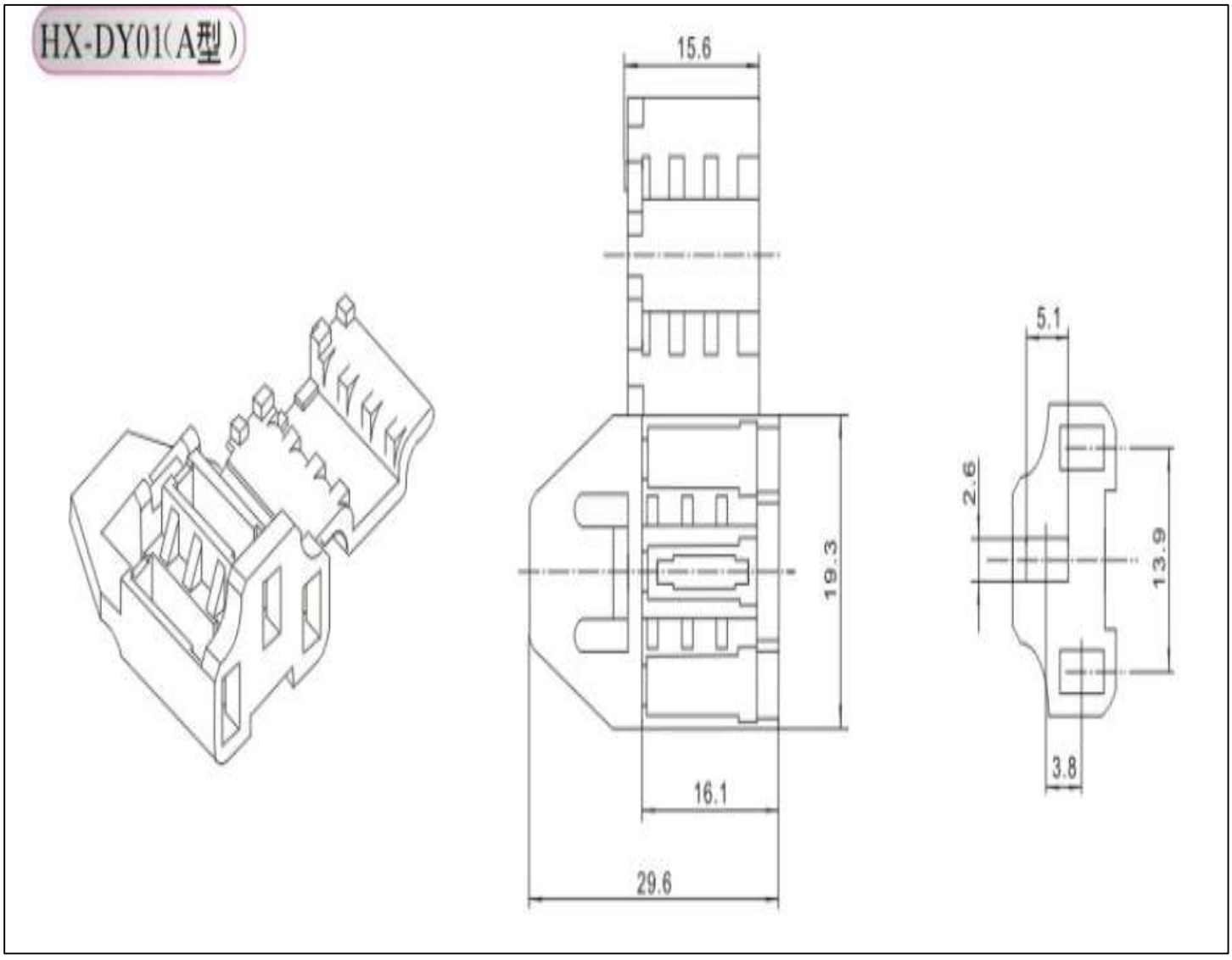
C13 HOUSING DRAWING



PRODUCT TEST STANDARD (AS PER IS 1293)

1. SCOPE

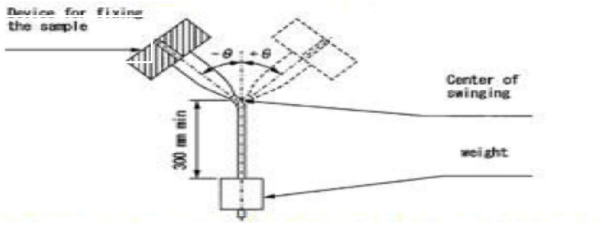
This specification applies to plug complying to IS 1293, "Plugs and socket-outlets of rated voltage up to and including 250 volts and rated current up to including 16 amperes – specification".

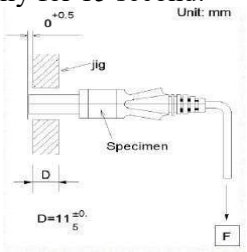
2. CONSTRUCTION

The plug shall comply with as per IS 1293 standard.

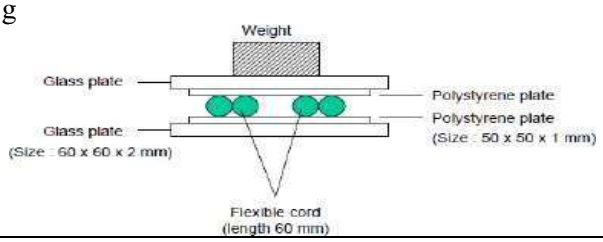
3. CHARACTERISTICS

S. No	Test Item	Description	Test Result
1	Ageing Test	The plug is subjected to a test in a heating cabinet at a temperature of 70±2ºC for 7 days. After the Treatment, the plug is removed and allowed to cool to ambient temperature.	The plug shall show no crack visibly. Nor shall the material become sticky or greasy.
2	Humidity Test	The plug is kept in the humidity cabinet containing air with a relative humidity maintained between 91% and 95% for 48hours. The temperature of the air is maintained between 15 ºC and 35ºC.	No damage
3	Insulation Resistance Test	This test is measured after 1min. application of DC voltage of approximately 500V immediately after the moisture resistance test.	Insulation resistance shall be not less than 100 M Ohm
4	Electric Strength	Between two conductors 2000V ac, 2mA for 1 min. Cord – Between a conductor and ground 2000V ac, 2mAfor 1 min Plug- Between a conductor and ground 2000V ac, 2mA for 1min Connector – Between a conductor and ground 3000V ac, 2mA for 1 min.	No flashover and breakdown
5	Temperature Rise Test	An alternating current as specific below is passed through poles for 1 hour. 2.5A Plug: 2.5A (for 0.5mm2) or 4A (for 0.75mm2 and 1.0mm2) 6A Plug: 2.5A (for 0.5mm2) or 9A (for 0.75mm2 and 1.0mm2) 16A Plug: 2.5A (for 0.5mm2) or 10A (for 0.75mm2) 12A (for 1.0mm2) or 16A (for 1.5mm2)	The temperature rise at the terminals shall not exceed 45ºC.
6	Cord Anchorage Test	The plug with flexible cord shall be subjected to 100 times to a pull of 50N (for 2.5A plug) or 60N (for 6A, 10A, 16A plug). The pull is applied practically without jerks each time for 1 second. Immediately afterwards, the cord is subjected to a torque of 0.1Nm (2x0.5mm2) or 0.15Nm (for 2x0.75mm2 & 3x0.5mm2) or 0.25Nm (for 3x0.75 and 2 or more x 1.0mm2) for 1 minute.	The cord shall not be displaced by more than 2mm and there shall be no break in the electrical connections.

7	Flexing Test Plug	The sample shall be loaded with a weight of 10N and the oscillating member shall be moved backward and forward through an angle of 90º (45º on either side of the vertical) the number of flexing being 10,000 and flexing rate 60 turn per minutes. 	Without damage such as break or exposure of conductor break.
	Flexing Test Connector	The sample shall be loaded with a weight of 10N and the oscillating member shall be moved backward and forward through an angle of 90º (45º on either side of the vertical) the number of flexing being 20,000 and flexing rate 60 turn per minutes.	Without damage such as break or exposure of conductor break.
8	Tumbling Test	The samples fall from a height of 50mm onto a steel plate, 3mm thick, for a total of 1000times. A torque of 0.4Nm is applied to the pins, first in one direction for 1 min. and then in the opposite direction for 1 min.	No damage and the pins shall not turn.
9	Compression test	The samples are subjected to the compression test at a temperature of 27±2ºC with an applied force of 300N for 1 minute.	No damage
10	Pin Pull Test	A pull of 40N (for 2 Poles 2.5A & 6A Plugs) or 50N (for 3 poles 6A, 10A plugs) or 54N (for 3 poles 16A plug) is applied, without jerks, for 1 min on each pin in turn, within a heating cabinet at a temperature of 70±2ºC.One hour after the plug has been placed in the heating cabinet.	No pin shall have been displaced in the body of the plug more than 1mm.
11	Resistance to heat	The samples are kept for 1 hour in a heating cabinet at a temperature of 100±2ºC	No damage
12	Ball pressure test	A steel ball of 5mm in diameter is applied on the insulating material with a force of 20N at a temperature of 125±2ºC (for material retaining but are in contact with the live parts) for 1 hour. The sample is than 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 750ºC shall be applied to the insulating material retaining live parts (between the current-carrying pins) for a period of 30s. For insulating material not retaining but are in contact with live parts, the wire is heated to 650ºC	Any flame and glowing shall extinguish within 30s after the removal of the glow wire. There shall be no ignition of the tissue paper
14	Endurance Test	The power cord shall not exceed the maximum test resistance test specified in specification after 500hrs of cycling test as below:	No Black mark on the spot.

		45minutes ON at 1.5 times the rated load. 15minutes OFF at no load.	
15	Tracking resistance test	Fix a test piece upward as indicated, and place of filter paper in between terminal so that it will make contact with terminals.	No Burn on the plug
16	Bending strength of connector	After the connector's point is fixed, Load of 343N shall be applied vertically for 15 second. 	After the test, there should be no any damage of the connector part.
17	Insertion and Withdrawal force	Insert and withdraw the plug / connector from fitting part for 3000 cycles (15 cycle / minute without load) at room temperature.	There should be no failure of dielectric strength, short circuit, no any crack and damage.

Insertion Force	These tests are applicable to the cord connector	Insert or withdrawal the coral connector straight into (or from) the standard gauge , which can be replaced by a receptacle specified in item 5.3 , having similar nominal dimensions to it .	sample shall ber needed at the specified conditions for 1 hour , after which increment shall be made.	25±5°C	°C
				14.7 to 49.0	N
Withdrawal forces		A poll to withdraw the cord connector from the standard gauge below.		50	N OR LESS
Withdrawal forces For checking each blade				1.5	N OR MORE

18	Hardness Test	Prepared the specimen in the size of 50 x 25 x t 12 mm and measure the “shore A” hardness on the PVC of Plug, Connector and Cable separately.	Hardness should be 80±5 shore A
19	Migration for Polystyrene and ABS	Take the plug side and connector side with cable length of 60mm and put between two polystyrene plate and after that put this polystyrene plate between two glass plate and keep the samples inside oven as per below condition - Ambient temperature: 50 ± 1C Duration: 24 ± 1 hours Weight: 500 ±25g 	Visually inspected, any staining of the area of polystyrene that was contact with the test pieces shall be hardly recognized.
20	Damp Heat	Stored at a temperature of 40±2 °C and humidity range of 90 to 95% for 48 Hours. Then condensed water on the specimen shall be removed and the specimen shall be stored at standard atmospheric condition for 30 Min. for recovery, after which measurement shall be made of Dielectric strength, Insulation resistance and Abrasion test.	Visually Inspected, and there should be no any abnormality in the defined test.
21	Flammability	Plug and Connector insulation in compliance with the UL 94 - V0 Flammability Test.	Any burning or Flame must extinguish with in10 Second after removal of flame application

ADELA ELECTRICALS PVT. LTD.

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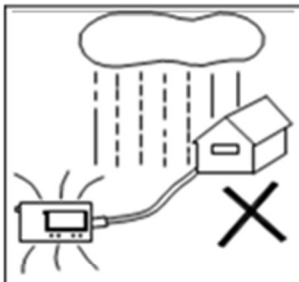
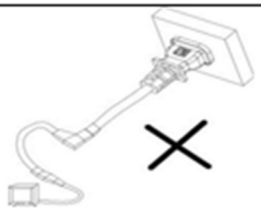


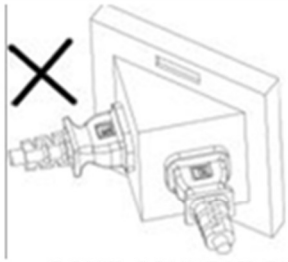
DON'T USE FOR OUTDOOR

DON'T APPLY EXTERNAL FORCE ON THE CORD

DON'T CONNECT TWO CORDS INTO ONE



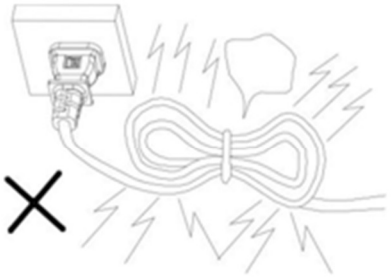
DON'T CONNECT CORD TO EXTENSION WIRE



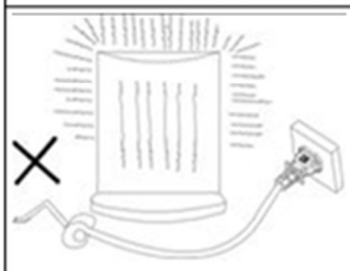
DON'T CONNECT PLUG TO MULTI-SOCKET

DON'T UNPLUG WITH WET HAND

DON'T UNPLUG BY PULLING THE CORD



DON'T CONNECT A BINDED CORD TO POWER SUPPLY



DON'T PLACES CARD CLOSED TO HEATING ELIMENT

DON'T CLEAN PLUG WITH LIQUID

ADELA ELECTRICALS PVT. LTD.

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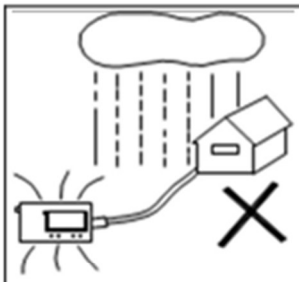
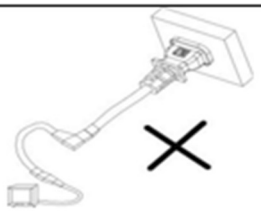


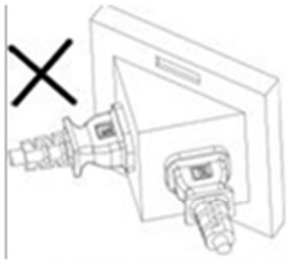
DON'T USE FOR OUTDOOR

DON'T APPLY EXTERNAL FORCE ON THE CORD

DON'T CONNECT TWO CORDS INTO ONE



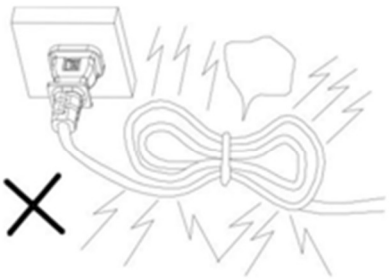
DON'T CONNECT CORD TO EXTENSION WIRE



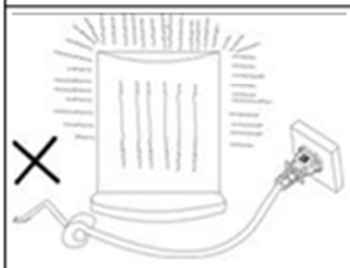
DON'T CONNECT PLUG TO MULTI-SOCKET

DON'T UNPLUG WITH WET HAND

DON'T UNPLUG BY PULLING THE CORD



DON'T CONNECT A BINDED CORD TO POWER SUPPLY



DON'T PLACES CARD CLOSED TO HEATING ELIMENT

DON'T CLEAN PLUG WITH LIQUID

adela GO. TRUST.	ADELA ELECTRICALS PVT. LTD.		
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PLUG X-RAY REPORT

C13 SOCKET X-RAY REPORT

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CABLE RELIABILITY TEST REPORT

ADELA ELECTRICALS PVT LTD.
RELIABILITY TEST REPORT

DOC.NO.-AE-QA-FR-68
REV.NO.-01
REV.DATE - 01.12.2025

RELIABILITY TEST REPORT

Part Name	3C X 0.75 mm²	Test Purpose	PART RELIABILITY	Std.	IS:694:2010
Part No.	CBN-N-IND-M	Lot No.		Judg.	OK
Customer Name		Test Report Date	03/06/2026		

S.No.	Test Parameter		Method	Specification		Unit	Observation			Test Result	Remarks
							Nominal	Min.	Max.		
1	Overall Diameter in MM		DVC	MAX.	7.7	MM	6.90	6.88	6.92	OK	
2	Thikness of Sheath in MM		PP	Nominal	0.9	MM	0.94	0.91	0.98	OK	
3	Core Colours		Visual				RED,BLACK,Y-G			OK	
4	Thickness of Insulation in MM		PP	Nominal	0.6	MM	0.66	0.65	0.64	OK	
5	Conductor Resistance Ohms/Km. At 20°C		CR Tester	MAX.	26.0	Ohms/Km.	22.88	22.91	22.88	OK	
6	Anealing Test Copper		Anealing Tester	MIN.	9	%	14 to 18%			OK	
7	Insulation	Tensile test without ageing in N/mm²	Tensile tester	MIN.	10.00	N/mm²	11.51	11.59	11.46	OK	
8		Elongation without ageing %	Tensile tester	MIN.	150	%	210	215	210	OK	
9		Tensile test after ageing in N/mm²	Tensile tester	MIN.	10.00	N/mm²	11.89	11.98	11.82	OK	
10		Elongation after ageing %	Tensile tester	MIN.	150	%	200	205	200	OK	
11		Loss of Mass in mg/cm²	Aging Oven	MAX.	2	mg/cm²	0.78			OK	
12		Hot Deformation	HOT AIR OVEN	MAX.	65	%	32			OK	
13		Shrinkage test	HOT AIR OVEN	MAX.	6	%	0.5	1	1	OK	
14		Heat Shock Test	Visual	No Sign of Crack			No sign of crack			OK	
15		Thermal stability at 200°C±0.5°C	Thermal Stability test apratus	Min.	80	Minutes	128	135	133	OK	
16		Cold Bend Test at 15°C±2°C for ≤12.5mm	CBT	No Sign of Crack			No sign of crack			OK	
17	Sheath	Tensile test without ageing in N/mm²	Tensile tester	MIN.	10.00	N/mm²	11.59			OK	
18		Elongation without ageing %	Tensile tester	MIN.	150	%	220			OK	
19		Tensile test after ageing in N/mm²	Tensile tester	MIN.	10.00	N/mm²	12.07			OK	
20		Elongation after ageing %	Tensile tester	MIN.	150	%	210			OK	
21		Loss of Mass in mg/cm²	Aging Oven	MAX.	2	mg/cm²	0.82			OK	
22		Hot Deformation	HOT AIR OVEN	MAX.	65	%	34			OK	
23		Shrinkage test	HOT AIR OVEN	MAX.	6	%	2			OK	
24		Heat Shock Test	Visual	No Sign of Crack			No sign of crack			OK	
25		Thermal stability at 200°C±0.5°C	Thermal Stability test apratus	Min.	40	Minutes	135			OK	
26		Cold Bend Test at 15°C±2°C for ≤12.5mm	CBT	No Sign of Crack			No sign of crack			OK	
27	At 27°C	Volume Resistivity in Ohm-cm	MIII Megaohmmeter	MIN.	$1x10^{12}$	Ohm-cm	$3.4x10^{13}$	$3.3x10^{13}$	$3.4x10^{13}$	OK	
28		Insulation Resistance constant in M. Ohm.km.	MIII Megaohmmeter	MIN.	3.67	M. Ohm.km.	124.78	121.11	124.78	OK	
29	At 70°C	Volume Resistivity in Ohm-cm	MIII Megaohmmeter	MIN.	$1x10^{9}$	Ohm-cm	$3.1x10^{10}$	$3.0x10^{10}$	$3.1x10^{10}$	OK	
30		Insulation Resistance constant in M. Ohm.km.	MIII Megaohmmeter	MIN.	0.004	M. Ohm.km.	0.124	0.12	0.124	OK	
31	High Voltage test at room Temp.		HVT	3Kv For 5Min.		Kv	Withstood			OK	
32	Water Immersion High voltage test at 60°±3°C (AC)		AC HVT	6Kv For 5Min.		Kv	Withstood			OK	
33	Water Immersion High voltage test at 60°±3°C (DC)		DC HVT	1.2Kv for 240Hours		Kv	Withstood			OK	
34	Ovality		DVC	MAX.	15	%	1.04			OK	
35	Flammability Test	Period of Burining after Removal	Flammability Chamber	MAX.	60	Sec.	6			OK	
36		Un effected length in mm		MIN.	50	MM	339			OK	

Prepared By: Ashwani

Approved By: Udayveer Singh

ADELA ELECTRICALS PVT. LTD.

Part Name	Power Cord 3CX0.75sqmm 1.83 Mtr. Black	Revision	0.00
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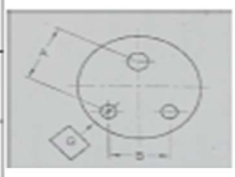
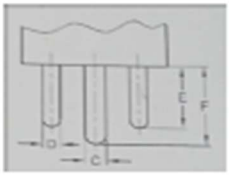
ADELA ELECTRICALS PVT LTD.
RELIABILITY TEST REPORT

DOC.NO.-AE-QA-FR-68
REV.NO.-01
REV.DATE - 01.12.2025

Part Name.	3Pin 16A Power Cord	Test Purpose.	PART RELIABILITY	Std.	IS-1293-2019
Part No.	CBN-N-IND-M	Lot No.		Judg.	OK
Customer Name.		Test Report Date.	04/06/2026		

S.No.	Test Parameter		Method	Specification		Unit	Observation 1	Observation 2	Observation 3	Test Result	Remarks
1	VISUAL(FINISHING)		visual	SMOOTH			SMOOTH			OK	
2	Rating Classification Marking		visual	16A		Ampere	16A			OK	
3	Dimensions	A	 All Dimension verified by Vernier caliper	A	28.45-28.75	MM	28.58	28.62	28.59	OK	
		B		B	25.25-25.55	MM	25.38	25.37	25.39	OK	
		C		C	8.66-8.73	MM	8.69	8.70	8.71	OK	
		D		D	7.01-7.085	MM	7.04	7.05	7.03	OK	
		E		E	20.47-21.64	MM	20.98	21.02	20.97	OK	
		F		F	28.47-29.64	MM	28.95	28.97	28.96	OK	
		G		G	>9.52	MM	9.92	9.89	9.90	OK	
4	Temp. Rise Test		Temp. Rise Tester	MAXIMUM	45	°C	4°C			OK	
5	Insulation Resistance at Room Temp.		Million Megaohm meter	MINIMUM	5	MΩ	>100			OK	
6	Glow Wire Test		Glow Wire tester	Glow Extinguish With In 30 Second		Second	03 second			OK	
7	Cord Flexing		Flexing Tester	45°-45° 90°	10000 Cycle		1. Pass In The Test (a) No Interruption Of The Current (b) No Short -Circuit Between Conductors			OK	
8	fingerlskin test		Finger tester	There should not be voltage leakage		Volt	Satisfactory			OK	
9	Tumbling Barrel		Tumbling Barrel Tester	Ther should not any damage on pins			No any damage			OK	
10	Resistance to rusting		Hot Air Oven	No sign of Rust			No sign of Rust			OK	
11	FLASH TEST(High Voltage test at room Temp.)		AC HVT	2kv for 1 min(No Breakdown)		KV	Withstood			OK	

Prepared By: Ashwani

Approved By: Udayaveer Singh

PLUG RELIABILITY TEST REPORT

3. Technical specifications, performance parameters and test methods

3.1General Requirements：

3.1.1 The parts should meet the requirements of the relevant standards of the country where the product is used, and provide the relevant certification certificate issued by a qualified professional testing institution, indicating the key performance indicators and test methods.

3.1.2 The list of parts and components shall indicate the material name, model, specification, supplier, testing and certification body and relevant certificate number and other relevant information.

3.1.3 The (TT) connectors used in all test items should be carried out with mass production supporting parts (indicate the supplier, model, specifications and other information in the supply acknowledgement.)

3.1.4 If there is a welding process, the weldability test must be carried out, and the welding heat resistance test and weldability test must be carried out.

3.1.5 The following table lists the mandatory requirements, and the items not listed should meet the requirements of the relevant chapters of the national standard "GB17465.1-1998 (Couplers for household and similar appliances Part I: General requirements").

3.1.6 Customers with special project requirements for parts shall implement the standards provided by customers, and the items not listed shall be subject to the requirements of this specification。

3.2Sub-indicators：

S.No.	Project	Test Conditions	Specification
1	Appearance, size, mark	Visual acuity: 1.0 or higher, Light: >1.0. Illumination: 200~300 lumens, visual distance: 0.3~0.5 meters.	1. The surface of the plastic parts is not obvious Scars, dimples, cracks, and Deformations that affect use. 2. No rust on the surface of metal parts, Oxidation, no obvious machinery damage and other defects. 3. The relevant dimensions comply with safety regulations request. 4. All kinds of stencil (silk screen) marks Cables and plugs are clear Unmistakable.

2	Normal operation	With 50Hz/275V/1.25 times the rated current, 1000 times live plugging and unplugging. In the absence of power, plug and unplug 3000 times. AC 1250V/50HZ/1mA for one minute.	No breakdown, flashover and arcing.
3	Plugging force test	Insert or unplug the connector with a matching connector at a speed of 1mm/s~5mm/s along the axis of the connector.	1. Single PIN insertion and extraction force 1.5-2N 2. Multi-PIN insertion and extraction force 50-60N
4	Withstand voltage	Apply AC 3000V/50HZ between adjacent contacts or between ground wires. AC 4000V/50HZ between conductor and outer surface for one minute.	No breakdown, flashover, and flying arc phenomena
5	Breaking capacity	The connector and tail plug adapter are mated and unplugged 30 times per minute, mated and unplugged 50 times (100 strokes) in length of 50mm-60mm, the test voltage is 275V, the test current is 1.25 times the rated current, the power factor is 0.95 for the connector rated current of 10A 16A, and the power factor is 0.6±0.05 for other rated currents.	There is no damage to the specimen, and the main indicators meet the requirements.
6	Connector contact resistance	After plugging in the male and female connectors, the test was carried out with a 24V/1A power supply.	Not greater than 20mΩ
7	The crimp section is in contact	Tested with a 24V/1A power supply.	Not greater than 10mΩ
8	On-resistance	Tested with a 24V/1A power supply.	Not more than 150mΩ
9	Insulation resistance	After mating the male and female connectors, test them with a 500V (+250/-0) DC/1min circuit between adjacent contacts or between ground wires.	Not less than 50MΩ
10	Temperature rise	Pass at 1.25 times the rated current for 1 hour.	Terminals and contact points of the specimen Temperature rise of 45°C (hottest point)

5. Reliability test

S. No.	Project	Test Conditions	Specification
1	Flexure test	During the test, the rated current is passed: 1. For wire rods with a cross-sectional area greater than 0.75mm2, the lifting weight is 20N.Wire less than 0.75mm2 (including 0.75mm2),The lifting weight is 10N. 2. The bending angle during the test is 60 degrees (120 degrees in total), each 60 minutes (left and right back and forth to the centre is counted once), yes 10,000 times for suture removal and tail insertion. Do not remove the thread tail plug as 20,000 times, for the wire rod is a round core wire, bent to the total Halfway through, turn 900 in the direction and continue to bend for the line If the material is a flat core wire, there is no such requirement	The specimen cannot be broken, and the wire breakage rate is small at 20%.
2	Tumble test	The number of rolls and falls is 500.	The test piece should have no effect after the test Safe damage, no components detached falls, in line with the pull-out force test
3	Pin fixation test	After placing it in the 60°C test chamber for 4 hours and returning to room temperature for 2 hours, fix the connector and/or dynamometer, and apply 45N push and pull force in the direction of the connector axis for testing	The PIN displacement of the specimen is not greater than 1.6mm
4	The strength of the part body Test	1. Fix the plug and apply the transverse tension (35-50N) to the soft wire in the direction perpendicular to the axis plane of the current-carrying bolt. The pull is carried out slowly for about 60s, first in one direction Then go to the other direction. 2. Place between two 15mm thick wide flat hardwood boards apply to 600N for 1 minute 3. Drop from a height of 1 meter on a hardwood board that is at least 20mm thick and 50mm wide 3 times	There was no damage to the specimen
5	Flame retardancy test	Place the specimen horizontally in a flame with a length of 130mm in the middle	Leave the flame within 30 seconds of the specimen The flame needs to be extinguished naturally

6	Aging test	Put the specimen into the high and low temperature test chamber, adjust the temperature to 80±2°C at a temperature change rate of 0.7~1 °C/min, and keep it for 168 hours after equilibration. Then at the same rate to room temperature. The specimen shall not have fine lines that can be seen by the naked eye, and the material shall not become sticky or slippery, and the evaluation method is as follows: Wrap the index finger with a piece of dry rough cloth, and use the force of 5N to put the index finger on the sample, and the sample must not have residual cloth lines, and the cloth will not stick to the material	There is no damage to the appearance of the specimen, the contact resistance is not more than 20mΩ after the test, and the insulating electricity is 50MΩMIN
7	Temperature cycling test	Put the specimen into the high and low temperature test chamber and debug it according to the following steps Temperature: 1. Leave at a constant temperature of -25±2 °C for 2h. 2. Place at room temperature and humidity for 1h. 3. Leave at a constant temperature of 85±2 °C for 2h. 4. Place at room temperature and humidity for 1h. A cycle from 1 to 4 is performed for a total of 5 cycles	The appearance of the specimen is not damaged, and it is in contact with electricity The resistance is not more than 20mΩ, and the insulation is electrical The resistance is not less than 50MΩ
8	Constant damp heat test	In the test chamber with a temperature of 40±2 °C and a relative humidity of (90~95)%, the shelving time is 168 hours before returning to the normal environment Test	The appearance of the specimen is not damaged, the contact resistance is not more than 20mΩ, and the insulation resistance is not less than 50MΩ
9	High temperature test	The specimen is sandwiched between the steel fixtures, the drum surface radius of the fixture is 25mm, the width is 15mm, the length is 50mm, the angle rounding radius is 2.5mm, the clamp clamps the place where the specimen is caught in normal use and applies a force of 20N, and tries to place it in the centre of the fixture at 100±2 °C test chamber for 1 hour	The appearance of the specimen is not damaged, the contact resistance is not more than 20mΩ, and the insulation resistance is not less than 50MΩ
10	Salt spray test	The specimen was hung down from the top of the test chamber, and the sodium chloride solution with a concentration of (5±0.1% (mass percentage) was used, the temperature was 35 °C, and the continuous atomization was carried out for 48h, and the surface sediment was gently washed off with flowing distilled water after the test, and recovered under normal temperature and humidity conditions for 1~2h	There is no damage to the appearance of the specimen (the hardware should not expose the serious rust of the bottom metal). With pre-plated profiles, the blanking surface is allowed to be unaffected other properties of slight corrosion), contact resistance is not greater than 20mΩ

11	Vibration test	Mating connector, through 24V/1A power supply. And simulate the normal working state, the frequency is 10~500Hz, the amplitude is 0.35mm, and the frequency sweep cycle of each axis is 2 hours.	The appearance of the specimen is not damaged, and it is in contact with electricity The resistance is not greater than 20mΩ
12	Storage and shelf life	Storage conditions, 5 to 40°C, humidity below 90%.	The shelf life under normal conditions is 6 months

Remark:

(1) 1N=0.101972kgf;

(2) Meet the test requirements specified in the standard (including but not limited to mechanical, environmental, salt spray, reliability, etc.).

(3) List of test equipment and test report, and provide experimental test report of qualified professional testing institutions.

(4) According to the above requirements of the sampling plan (including sampling cycle, quantity, relevant test report).

ADELA ELECTRICALS PVT. LTD.

Part Name	Power Cord 3CX0.75sqmm 1.83 Mtr. Black	Revision	0.00
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PACKING SPECIFICATION DETAILS

Part Number :	CBA-N-IND-M	**Supplier : Adela Electricals Pvt. Ltd**
Part Description :	**Power Cord 3CX0.75sqmm 1.83Mtr. Black**	**Complete address :** Adela Electricals Pvt. Ltd. Plot No. 5, Sector-18 Phase 3, Barhi Industrial Estate Sonipat, Haryana

	PACKING DATA			POLYBAG	
1	pieces per container nos	200	1	Length mm	1015
2	Length mm	450	2	Width	711
3	Width	370	3	Thickness	0.05
4	Height mm	220	4	No. of Pieces/Polybag	200
5	Colour of container	Corrugated Box	5	Colour	Transparent
6	Part code sticker	Yes			
7	Rohs Label	Yes			

PICTURE

Single packaging image

Box packaging image

Supplier Sign:	**Customer Sign :**