PTRC

Since 2002

POWERONIC

TEST & RESEARCH CENTRE

PROFILE

Poweronic Test & Research Center is a most valuable & time-tested partner for leading manufacturers & brands across the globe. Laboratory is an independent and accredited organization which serves quality testing & development of various Electro - Technical products of manufacturing Industries. **Laboratory Aims to Provide Prompt, Accurate & Reliable Testing, Inspection & Consultancy** services at affordable costs and to motivate and educate various stake holders including manufacturers and users for selling and promoting their products at a level of high-quality enhancement as per National & International standards.

Laboratory is an IS/IEC/ISO: 17025 Accredited by NABL (National Accreditation Board of Laboratories) a Quality council of India and BIS Recognized Laboratory. Laboratory has also a member of Association of Indian Laboratories and Metrology society of India.

Our Mission, Vision & Values

PTRC is committed to maintain accurate, reliable & consistent results for testing, Calibration & training Services To achieve the top most level among the valuable groups of testing & calibration laboratories through our high-quality performance & by continuously development of new trends & ways for testing of product in short duration of time as per different research-based standards Empower employees with tools, training and supportive company culture to facilitate their personal and professional development.

Our Core Values

- **Accountability & Commitment**
- **Corporate Citizenship**
- **Scientific Expertise**
- **Diversity**
- **Impartiality & Confidently**
- **Honesty & Integrity**
- **Teamwork**

POWERONIC
TEST & RESEARCH CENTRE

CERTIFICATIONS & APPROVALS

PTRC
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NABL


National Accreditation Board for Testing and Calibration Laboratories

CERTIFICATE OF ACCREDITATION

POWERONIC TEST & RESEARCH CENTRE PRIVATE LIMITED

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

"General Requirements for the Competence of Testing & Calibration Laboratories"

for its facilities at

B-2/4, SITE-B, FIRST FLOOR, UPSIDC, SURAJPUR INDUSTRIAL AREA, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA

in the field of

TESTING

Certificate Number: TC-9859

Issue Date: 15/09/2021 Valid Until: 14/09/2023

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Identity : POWERONIC TEST & RESEARCH CENTRE PRIVATE LIMITED

Signed for and on behalf of NABL

N. Venkateswaran
Chief Executive Officer

BIS


भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS
Ministry of Consumer Affairs, Food & Public Distribution
Government of India

Our Ref: LRMD/LRS/OSL (8170206) 08/08/2022

POWERONIC TEST & RESEARCH CENTRE PRIVATE LIMITED
First Floor, B-2/4, Site-B, UPSIDC Surajpur Industrial Area,
Greater Noida, Gautam Buddha Nagar, Uttar Pradesh,
201306

Subject: Inclusion of 27 ISs in the existing scope for remaining period of recognition.

Dear Sir,

It is informed that the Competent Authority had decided to include IS 2465 (1984), IS 398 : Part 1 (1996), IS 398 : Part 2 (1996), IS 398 : Part 3(1976), IS 398 : Part 4 (1994), IS 14494 (2019), IS 191 (2007), IS 555 (1979), IS 996 (2009), IS 9537 : Part 3 (1983), IS 11037 (2019), IS 5950 (1984), IS 2593 (1984), IS 9537 : Part 2 (1981), IS 302 : Part 2 : Sec 9 (2009), IS 2312 (1967), IS 1169 (1967), IS 15787 (2008), IS 302 : Part 2 : Sec 6 (2009), IS 16246 (2015), IS 302 : Part 2 : Sec 201 (2008), IS 302 : Part 2 : Sec 80 (2017), IS 302 : Part 2 : Sec 3 (2007), IS 302 : Part 2 : Sec 35 (2017), IS 302 : Part 2 : Sec 21 (2018), IS 17505 : Part 1 (2021) & IS 17293 (2020) in the existing scope for remaining period of recognition w.e.f. 8.08.2022.

Thanking You.

(Manish Raj)
Scientist-B & Assistant Director
Laboratory Recognition & Management Department

AIOL


Membership No. AOIL/M/314

Association of Indian Laboratories
Regn. No. 018201401606
ILAC Stakeholder Member

Certificate of Membership

This is to certify that

POWERONIC TEST & RESEARCH CENTRE PVT. LTD.

Greater Noida (UP)

is a Member of

Association of Indian Laboratories

R. B. Singh, Secretary General
Rajesh Deswal, President
D. S. Tiwari, Chairman

ISO 9001


UKcert Certification & Inspection

Certificate of Registration

This is to certify that the
Quality Management System
of
POWERONIC TEST AND RESEARCH CENTER PRIVATE LIMITED
at
FIRST FLOOR, B-2/4, SITE-B, UPSIDC, SURAJPUR INDUSTRIAL AREA, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, 201306, INDIA

has been independently assessed and is compliant with the requirements of:

ISO 9001:2015

For the following scope of activities:

ELECTRICAL, MECHANICAL, CHEMICAL, THERMAL & ENVIRONMENTAL TESTING & CALIBRATION FACILITIES OF VARIOUS TYPES OF PRODUCT AS PER NATIONAL & INTERNATIONAL STANDARDS

Certificate Number: UQ-2021112209

Validity of this certificate can be verified at www.ukcertifications.org.uk/verify

Date of Certification	22nd November 2021
1st Surveillance Audit Due	21st November 2022
2nd Surveillance Audit Due	21st November 2023
Certificate Expiry	21st November 2024

Authorised Signatory

ISO 14001


UKcert Certification & Inspection

Certificate of Registration

This is to certify that the
Environmental Management System
of
POWERONIC TEST AND RESEARCH CENTER PRIVATE LIMITED
at
FIRST FLOOR, B-2/4, SITE-B, UPSIDC, SURAJPUR INDUSTRIAL AREA, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, 201306, INDIA

has been independently assessed and is compliant with the requirements of:

ISO 14001:2015

For the following scope of activities:

ELECTRICAL, MECHANICAL, CHEMICAL, THERMAL & ENVIRONMENTAL TESTING & CALIBRATION FACILITIES OF VARIOUS TYPES OF PRODUCT AS PER NATIONAL & INTERNATIONAL STANDARDS

Certificate Number: UQ-2021112210

Validity of this certificate can be verified at www.ukcertifications.org.uk/verify

Date of Certification	22nd November 2021
1st Surveillance Audit Due	21st November 2022
2nd Surveillance Audit Due	21st November 2023
Certificate Expiry	21st November 2024

Authorised Signatory

ISO 45001


UKcert Certification & Inspection

Certificate of Registration

This is to certify that the
Occupational Health and Safety Management System
of
POWERONIC TEST AND RESEARCH CENTER PRIVATE LIMITED
at
FIRST FLOOR, B-2/4, SITE-B, UPSIDC, SURAJPUR INDUSTRIAL AREA, GREATER NOIDA, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, 201306, INDIA

has been independently assessed and is compliant with the requirements of:

ISO 45001:2018

For the following scope of activities:

ELECTRICAL, MECHANICAL, CHEMICAL, THERMAL & ENVIRONMENTAL TESTING & CALIBRATION FACILITIES OF VARIOUS TYPES OF PRODUCT AS PER NATIONAL & INTERNATIONAL STANDARDS

Certificate Number: UQ-2021112211

Validity of this certificate can be verified at www.ukcertifications.org.uk/verify

Date of Certification	22nd November 2021
1st Surveillance Audit Due	21st November 2022
2nd Surveillance Audit Due	21st November 2023
Certificate Expiry	21st November 2024

Authorised Signatory

OUR CLIENTS:-

HAVELLS
POLYCAB
RR KĀBEL WIRES & CABLES
ADITYA BIRLA GROUP
एन बी सी सी NBCC A Navratna CPSE
Crompton
KEI Wires & Cables
wipro
मानक: पथप्रदर्शक:

TESTING FACLITIES AS PER NATIONAL & INTERNATIONAL STANDARDS

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CABLES & WIRES

BS 7846	THERMOSETTING INSULATED , ARMORED FIRE RESISTANT CABLES HAVING ,OW EMISSION OF SMOKE AND CORROSIVE GASES.
BS 6724	ELECTRIC CABLES.THERMOSETTING INSULATED , ARMOURED CABLES OF RATED VOLTAGES OF 600 / 1000 V AND 1900 /3300 V FOR FIXED INSTALLATIONS , HAVING LOW EMISSION OF SMOKE AND CORROSIVE GASES WHEN AFFECTED BY FIRE.
IS 17505 (Part-1)	THERMOSETTING INSULATED FIRE SURVIVAL CABLES FOR FIXED INSTALLATION HAVING LOW EMISSION OF SMOKE AND CORROSIVE GASES WHEN AFFECTED BY FIRE FOR WORKING VOLTAGES UPTO AND INCLUDING 1100 V AC AND DC .
	OTHERS
IS 694	PVC INSULATED CABLES FOR RATED VOLATGES UP TO AND INCLUDING 1100 VOLT .
IS 5950	SHOT FIRING CABLES (FOR USE OTHER THAN IN SHAFTS).
	ELASTOMERIC ENSULATED CABLE
IS 14494	ELASTOMER INSULATED FLEXIBLE CABLES FOR USE IN MINES.
IS 9968	ELASTOMERIC INSULATED CABLES FOR WORKING VOLATGES UP TO AND INCLUDING 1100 V .
	AERIAL BUNDLED CONDUCTORS / CABLES
NFC 33-209	BUNDLED ASSEMBLED CORES FOR OVERHEAD SYSTEMS OF RATED VOLTAGES 0.6/1 KV
IS 14255	AERIAL BUNCHED CABLES
	POWER CABLES
IEC 60502-1	POWER CABLES WITH EXTRUDED INSULATION AND THEIR ACCESSORIES FOR RATED VOLATGES FROM 1 KV TO 3 KV .
IS 7098-1	CROSSLINKED POLYETHENE INSULATED SHEATHED CABLES FOR WORKING VOLTAGES UP TO AND INCLUDING 1100 V .

TESTING FACLITIES AS PER NATIONAL & INTERNATIONAL STANDARDS

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CABLES & WIRES

	WELDING CABLES
IS 9857	WELDING CABLES
	HFFR CABLES
IS 17048	HALOGEN FREE – FLAME RETARDANT (HFFR) CABLES FOR WORKING VOLTAGES UP TO AND INCLUDING 1100 VOLTS
	SMOKE DENSITY RATING TEST
IEC 61034-2	SMOKE DENSITY RATING
	LIFE CYCLE / THERMAL ENDURANCE TEST
IEC 60216-1	THERMAL ENDURANCE TEST
IEC 60216-2	THERMAL ENDURANCE TEST
IS 8504-2	THERMAL ENDURANCE TEST
IS 8504-1	THERMAL ENDURANCE TEST
	RAILWAY ROLLING STOCK CABLES
BS EN 50264-3-1	RESISTANCE AGAINST ACID AND ALKALI SOLUTION
BS 50305	RAILWAY APPLICATIONS . RAILWAY ROLLING STOCK CABLES HAVING SPECIAL FIRE PERFORMANCE . TEST METHODS
	AUTOMOTIVE CABLES
ISO 6722-1	ROAD VEHICLES 60 V AND 600 V SINGLE CORE CABLES
IS 2465	CABLES FOR MOTOR VEHICLES
	EV CHARGING CABLES
IEC 62893	CHARGING CABLES FOR ELECTRIC VEHICLES FOR RATED VOLTAGES UP TO AND INCLUDING 0,6/1 KV – PART 3
IEC 62893-4-1	CHARGING CABLES FOR ELECTRIC VEHICLES FOR RATED VOLTAGES UP TO AND INCLUDING 0,6/1 KV – PART 4-1

TESTING FACLITIES AS PER NATIONAL & INTERNATIONAL STANDARDS

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CABLES & WIRES

BS EN 50620	ELECTRIC CABLES : CHARGING CABLES FOR ELECTRIC CABLES
IEC 62893-1	CHARGING CABLES FOR ELECTRIC VEHICLES FOR RATED VOLTAGES UP TO AND INCLUDING 0,6/1 KV – PART 1
IEC62893-2	CHARGING CABLES FOR ELECTRIC VEHICLES FOR RATED VOLTAGES UP TO AND INCLUDING 0,6/1 KV – PART 2
	OXYGEN INDEX & TEMPERATURE INDEX
ISO 4589-2	OXYGEN INDEX TEST & TEMPERATURE INDEX
ASTM D 2863	OXYGEN INDEX TEST & TEMPERATURE INDEX
ISO 4589-3	OXYGEN INDEX TEST & TEMPERATURE INDEX
	FLAMMABILITY TEST
IEC 60331-1-2	FLAMMABILITY TEST
	RESISTANCE TO FIRE , WATER & MECHANICAL SHOCK
BS 6387	RESISTANCE TO FIRE WITH MECHANICAL SHOCK WITH WATER
IEC 60331-11	RESISTANCE TO FIRE ALONE
IEC 60331-21	RESISTANCE TO FIRE ALONE
IEC 60331-23	RESISTANCE TO FIRE ALONE
IEC 60331-25	RESISTANCE TO FIRE ALONE
IEC 60331-2	RESISTANCE TO FIRE WITH MECHANICAL SHOCK
BS 8434-2	RESISTANCE TO FIRE WITH MECHANICAL SHOCK WITH WATER
BS EN 50200	RESISTANCE TO FIRE WITH MECHANICAL SHOCK WITH WATER
BS 8491	RESISTANCE TO FIRE WITH MECHANICAL SHOCK WITH WATER
IEC 60331-1	TESTS FOR ELECTRIC CABLES UNDER FIRE CONDITIONS – CIRCUIT INTEGRITY – PART 1 : TEST METHOD FOR FIRE WITH SHOCK AT A TEMPERATURE OF AT LEAST 830°C FOR CABLES OF RATED VOLTAGE UP TO AND INCLUDING 0,6/1.0 KV AND WITH AN OVERALL DIAMETER EXCEEDING 20 MM.

TESTING FACLITIES AS PER NATIONAL & INTERNATIONAL STANDARDS

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CABLES & WIRES

IEC 60331-3	TESTS FOR ELECTRIC CABLES UNDER FIRE CONDITIONS – CIRCUIT INTEGRITY – PART 1 : TEST METHOD FOR FIRE WITH SHOCK AT A TEMPERATURE OF AT LEAST 830°C FOR CABLES OF RATED VOLTAGE UP TO AND INCLUDING 0,6/1.0 KV TESTED IN A METAL ENCLOSURE
	FLAME PROPAGATION TEST
IEC 60332-3-21	TESTS ON ELECTRIC AND OPTICAL FIBRE CABLES UNDER FIRE CONDITIONS – PART 3-22 : TEST FOR VERTICAL FLAME SPREAD OF VERTICALLY – MOUNTED BUNCHED WIRES FOR CABLES – CATEGORY A F/R
IEC 60332-3-22	TESTS ON ELECTRIC AND OPTICAL FIBRE CABLES UNDER FIRE CONDITIONS – PART 3-22 : TEST FOR VERTICAL FLAME SPREAD OF VERTICALLY – MOUNTED BUNCHED WIRES FOR CABLES – CATEGORY A
IEC 60332-3-23	TESTS ON ELECTRIC AND OPTICAL FIBRE CABLES UNDER FIRE CONDITIONS – PART 3-23 : TEST FOR VERTICAL FLAME SPREAD OF VERTICALLY – MOUNTED BUNCHED WIRES FOR CABLES – CATEGORY B
IEC 60332-3-24	TESTS ON ELECTRIC AND OPTICAL FIBRE CABLES UNDER FIRE CONDITIONS – PART 3-23 : TEST FOR VERTICAL FLAME SPREAD OF VERTICALLY – MOUNTED BUNCHED WIRES FOR CABLES – CATEGORY C
IEC 60332-3-25	TESTS ON ELECTRIC AND OPTICAL FIBRE CABLES UNDER FIRE CONDITIONS – PART 3-23 : TEST FOR VERTICAL FLAME SPREAD OF VERTICALLY – MOUNTED BUNCHED WIRES FOR CABLES – CATEGORY D
	LOW VOLTAGE ENERGY CABLES
BS EN 50525-1	ELECTRIC CABLES. LOW VOLTAGE ENERGY CABLES OF RATED VOLATGES UP TO AND INCLUDING 450/ 750 V (UO/U) GENERAL REQUIREMENTS
BS EN 50525-2-21	ELECTRIC CABLES. LOW VOLTAGE ENERGY CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V (UO/U) CABLES FOR GENERAL APPLICATIONS FLEXIBLE CABLES WITH CROSS LINKED ELASTOMERIC INSULATION
BS EN 50525-3-41	ELECTRIC CABLES . LOW VOLTAGE ENERGY CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V (UO/U) CABLES WITH SPECIAL FIRE PERFORMANCE . SINGLE CORE NON-SHEATHED CABLES WITH HALOGEN FREE CROSSLINKED INSULATION , AND LOW EMISSION OF SMOKE .
IEC 60227-2	POLYVINYL CHLORIDE INSULATED CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V – PART 2 TEST METHODS

TESTING FACLITIES AS PER NATIONAL & INTERNATIONAL STANDARDS

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CABLES & WIRES

IEC 60227-1	POLYVINYL CHLORIDE INSULATED CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V – PART 1 GENERAL REQUIREMENTS
IEC 60227-3	POLYVINYL CHLORIDE INSULATED CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V – PART 3 NON SHEATHED CABLES FOR FIXED WIRING
IEC 60227-4	POLYVINYL CHLORIDE INSULATED CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V – PART 4 SHEATHED CABLES FOR FIXED WIRING
IEC 60227-5	POLYVINYL CHLORIDE INSULATED CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V – PART 5 FLEXIBLE CABLES (CORDS)
IEC 60227-6	POLYVINYL CHLORIDE INSULATED CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V – PART 6 LIFT CABLES AND CABLES FOR FLEXIBLE CONNECTIONS
IEC 60227-7	POLYVINYL CHLORIDE INSULATED CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V – PART 7 FLEXIBLE CABLES SCREENED AND UNSCREENED WITH TWO OR MORE CONDUCTORS
BS EN 50525 -2-11	ELECTRIC CABLES : LOW VOLTAGE ENERGY CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 (UO/U) CABLES FOR GENERAL APPLICATIONS . FLEXIBLE CABLES WITH THERMOPLASTIC PVC INSULATION
BS EN 50363-3	PVC SHEATHED ELECTRIC CABLE AND WIRE
BS EN 50363-4-1	PVC SHEATHED ELECTRIC CABLE AND WIRE
BS EN 50395	HARMONIZED LOW VOLTAGE ENERGY CABLES OF RATED VOLTAGES UP TO AND INCLUDING 450/750 V .
BS EN 50396	LOW VOLTAGE ENERGY CABLES
IEC 62394	ELECTRIC CABLES FOR RATED VOLTAGES UPTO AND INCLUDING 450/750 V.
	SOLAR CABLES
IEC 62930	ELECTRIC CABLES FOR PHOTOVOLTAIC SYSTEMS
BS EN 50618	ELECTRIC CABLES FOR PHOTOVOLTAIC SYSTEMS
IS 17293	ELECTRICAL CABLES FOR PHOTOVOLTAIC SYSTEMS FOR RATED VOLTAGE 1500 V d.c.

TESTING FACLITIES AS PER NATIONAL & INTERNATIONAL STANDARDS

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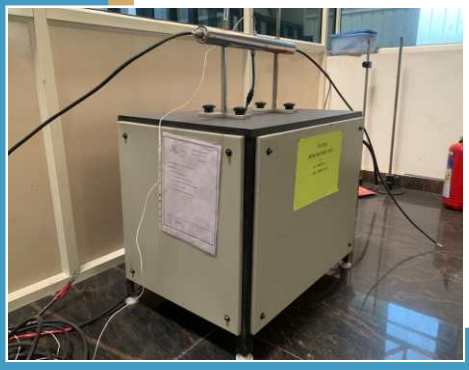
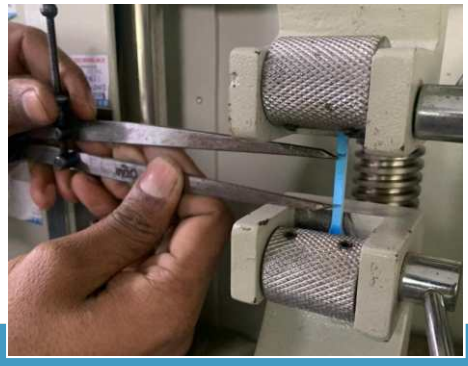
WIRING ASSESSORIES LED, LUMARIES & ASSESSORIES

	CONDUCTORS & CONDUCTING MATERIALS
IEC/BS EN 60228	CONDUCTORS FOR INSULATED CABLES
IS 398 (PART-1)	ALUMINIUM STRANDED CONDUCTORS FOR OVERHEAD TRANSMISSION PRUPOSES .
IS 398 (PART-2)	ALUMINIUM STRANDED CONDUCTORS , GALVANISED STEEL REINFORCED FOR OVERHEAD TRANSMISSION PURPOSES
IS 398 (PART-3)	ALUMINIUM CONDUCTORS FOR OVERHEAD TRANSMISSION PURPOSES PART 3 ALUMINIUM CONDUCTORS , ALUMINIZED - STEEL REINFORCED
IS 398 (PART-4)	ALUMINIUM CONDUCTORS FOR OVERHEAD TRANSMISSION PURPOSES PART 4 ALUMINIUM ALLOY STRANDED CONDUCTORS (ALUMINIUM-MAGNESIUM-SILICON TYPE)
BS EN 50397-1	COVERED CONDUCTORS FOR OVERHEAD LINES AND THE RELATED ACCESSORIES FOR RATED VOLTAGES ABOVE 1 KV AC AND NOT EXCEEDING 36 KV – PART 1 : COVERED CONDUCTORS
	DOMESTIC ELECTRICAL APPLIANCES
IS 302-2-6	COOKING RANGES , HOBS & SIMILAR APPLIANCES
IS 4250	DOMESTIC ELECTRIC FOOD MIXERS (LIQUIDIZERS & GRINDERS)
IS 374	CEILING TYPE FANS & REGULATORS
IS 302-22-201	ELECTRIC IMMERSION WATER HEATER
IS 302-22-35	ELECTRIC INSTANTAENOUS WATER HEATER
IS 8978	ELECTRIC INSTANTAENOUS WATER HEATER
IS 368	ELECTRIC IMMERSION WATER HEATER
IS 366	ELECTRIC IRON
IS 302-2-3	ELECTRIC IRON
IS 302-2-14	ELECTRIC KITCHEDN MACHINES – BLENDERS
IS 302-2-30	ROOM HEATER
IS 555	TABLE TYPE FANS & REGULATORS
IS 302-2-80	FANS
IS 4159	HEATING ELEMENTS





TESTING FACLITIES AS PER NATIONAL & INTERNATIONAL STANDARDS

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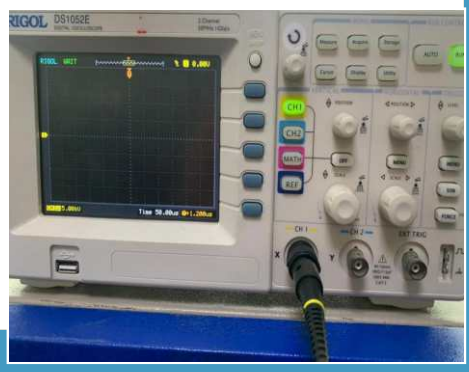
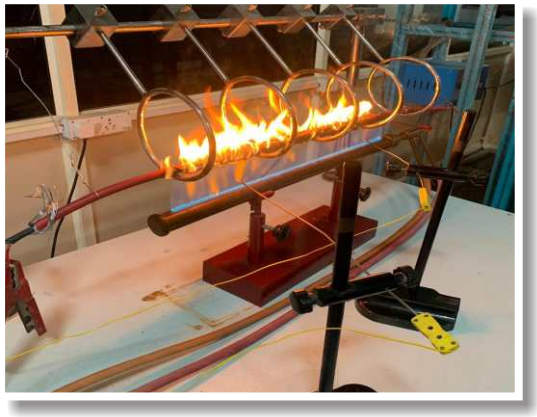
HOME APPLIANCES

	CONDUITS
IS 9537-2	RIGID STEEL CONDUITS
IS 9537-3	RIGID PLAIN CONDUITS OF INSULATING MATERIALS
	PLUGS & SOCKETS
IS 1293	PLUGS & SOCKETS
IS 15787	SWITCH-SOCKET-OUTLETS (NON-INTERLOCK – OUTLETS)
IS 3854	SWITCHES FOR DOMESTIC AND SIMILAR PURPOSES
	FAN REGULATOR
IS 11037	ELECTRIC TYPE FAN REGULATORS
	LAMPS & LUMINARIES
IS 10322 (PART-5)/SECTION-01	GENERAL PURPOSE LUMINARIES
IS 16102-1	SELF BALLASTED LED LAMPS FOR GENERAL LIGHTING LAMPS
IEC 60589-2-1	FIXED GENERAL PURPOSE LUMINARIES
	ACCESSORIES – CONTROLGEAR
IS 15885 (PART-5)/SECTION 13	D.C. SUPPLIED ELECTROCNIC CONTROL GEAR FOR LED MODULES
IEC 61347-2-13	D.C. OR A.C. SUPPLIED ELECTRONIC CONTROL GEAR FOR LED MODULES
EN 62560	D.C. OR A.C. SUPPLIED ELECTRONIC CONTROLGEAR FOR LED MODULES
	ENVIRONMENT TEST FACILITY
ASTM G 154	UV RESISTANCE TEST
POWERONIC STANDARD	ANTI RODENT & ANTI TERMITE TEST
NES 713	TOXICITY TEST
IS 9000	DRY HEAT & COLD TEST
IS 9000, QM 333	DUST TEST
IS/IEC 60529, IEC 62262	IP TEST



FIRE- SURVIVAL TEST

These cables are tested in accordance with BS 7846, IS 7098(P-1), IEC 69331 and BS 6387 for required temperatures and duration - depending upon the application of cable and site conditions.



UV RESISTANCE TEST

The test is carried on cable samples, which become aged in UV light (xenon arc or carbon arc lamp) for 720 hours. On samples of sheath material elongation at break and tensile strength is measured. The values may not drop below 80% of unaged samples.

NETWORK ANALYSOR FACILITY

A network analyzer is an instrument that measures the network parameters of electrical networks. Today, network analyzers commonly measure –sparameters because reflection and transmission of electrical networks are easy to measure at high frequencies, but there are other network parameter sets such as y-parameters, z-parameters, and h-parameters. Network analyzers are often used to characterize two-port networks such as amplifiers and filters, but they can be used on networks with an arbitrary number of ports.

THERMAL AGEING/ ENDURANCE FACILTY

Thermal aging is used to test the ability of a product to with stand elevated temperatures for an extended period of time. This test measures the change in LLCR and mating / un-mating force both before and after the parts have been thermally exposed in a thermal chamber.

AN NABL ACCREDITED LABORATORY

Poweronic Laboratory is equipped with various testing facilities such as NES Toxicity Test Apparatus, Anti-Rodent & terminal Cage, Ozone Resistance Apparatus, Black Carbon Content, Conditioning Chamber up to -40°C

Environmental Test Facilities :

Damp Heat Chamber, Dust Chamber & Heat Cycle Test Apparatus etc.

POWERONIC TEST & RESEARCH CENTRE PVT.LTD.
All Type of Electrical & Electronics Product Testing Laboratory

First Floor, B-2/4, Site-B, UPSIDC Surajpur Industrial Area,
Greater Noida-201306 (U.P)

Ph: +91-9602085835

www.poweroniclab.com

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