

LiOA

For now & Forever!

January 2024



COMPANY PROFILE

Website: www.lioa.com.vn



Automatic Voltage Stabilizer - Power transformer - Extension socket
Electrical accessory - Lighting - Wire and Cable - Magnet Wire - Busbar

WE OFFER FULL RANGE OF ELECTRICITY APPLIANCE FOR YOUR CONSTRUCTION



LiOA

For now & Forever!

HISTORY



LiOA

For now & Forever!



Mission

Each product of LiOA is made from devotion & understanding for customers' needs in Vietnam & in the World. In the context of extreme market volatility, everyday is a new step forward with LiOA. Today is better than yesterday, tomorrow is better than today...



Vision

By 2025, become a high-tech, digital enterprise, leading the electrical equipment manufacturing market in Vietnam; Fast and sustainable development with an annual growth rate of 25%-30%.



Core Values

Solidarity, initiative, creativity, speed and professionalism

www.lioa.com.vn



MILESTONES

1988



1988 Establishment of automatic voltage stabilizer Workshop

1994



1994 Establishment of Nhat Linh - Company Limited

1997



1997 Establishment of LiOA wire & cable in Hung Yen

2003



2003 Established LiOA factory for Power transformer and High capacity Oil-immersed Transformer.

2006



2006 Nexans-LiOA Wires and cables founded as a joint venture with Nexans Participation Group

2007



2007 Established LiOA factory for wall switches & socket in Tuan Thanh, Bac Ninh and High capacity Oil-immersed Transformer.

2009



2009 Develop outdoor resin lighting product line.

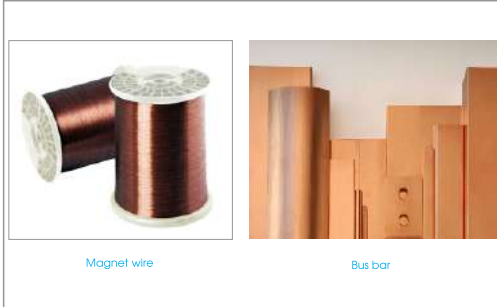
2010



2010 LiOA acquires all shares of Nexans Participation and converts Nexans LiOA to LiOA Electric

MILESTONES

2012



2012 Invest in production technology for new production lines: copper magnet wire and busbar.

2013



2013 Established the second LiOA Wire and Cable Factory in Dong Nai Province.

2014



2014 Expand and invest in a series of magnet wire machine maker, with the world most modern technology from MAG-Austria, located in Hung Yen factory and new factory in Dong Nai province

2017



2017 Develop copper electrolysis system to produce copper cathodes.

2021



2021 Diversify on household electrical product: standing fans, wall fans, hanging fans product...

2022



2022 Converting Nhatlinh Co., Ltd. to LiOA hi-tech joint stock company - LiOA CNC

2024

LiOA

For now & Forever!

FACTS, FIGURES AND PICTURES



LiOA - FACTS AND FIGURES

Total square of 4 factories	: 300 000 m ²
Employees	: 1200
Turnover 2023	: 300 million USD
Export proportion	: 50%
Market	: 5000 points of sales in Vietnam and more

than 50 countries around the World.

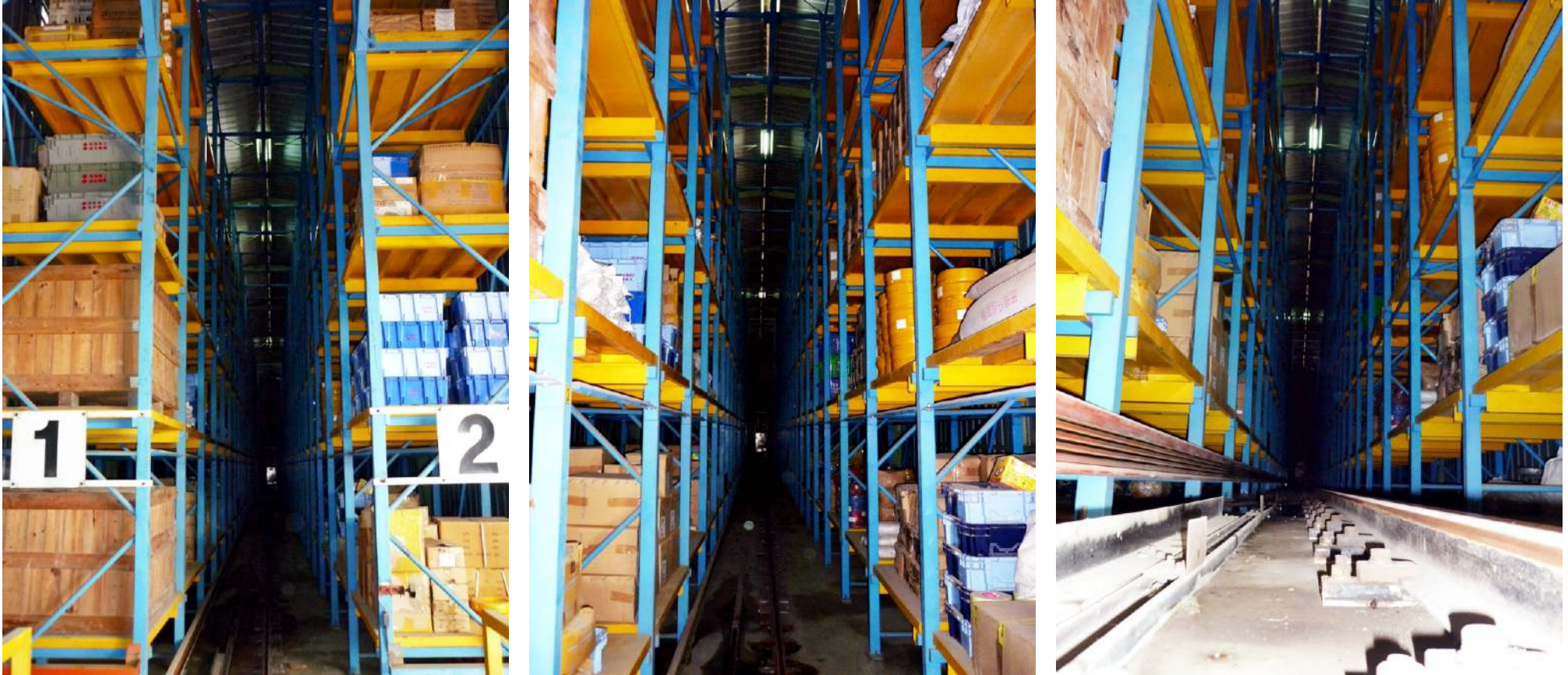
Voted by Vietnamese consumers as the most popular brand in the line of Electrics, Electronics, Household appliances (election held by AC Nielsen and VCCI)

AVS - TRANSFORMER FACTORY

Location : Vinh Hung, Hoang Mai dist., Hanoi
Square : 23 000 m²
Employees : 400
Product : Automatic Voltage Stabilizer and Power transformer



AVS - TRANSFORMER FACTORY



Supplied materials warehouse - the first Korean automatic warehouse in Vietnam

AVS - TRANSFORMER FACTORY



Product warehouse

AVS - TRANSFORMER FACTORY



World largest AVS factory - output capacity of 2000pcs per day

WIRE AND CABLE FACTORY - HUNG YEN

Location : Hung Yen province - Vietnam

Square : 100 000 m²

Employees : 350


Product : Wire and cable



WIRE AND CABLE FACTORY 1



WIRE AND CABLE FACTORY - HUNG YEN

CHỨNG NHẬN 

Tổ chức Chứng nhận VCA

Chứng nhận:

CÔNG TY TNHH THIẾT BỊ ĐIỆN LIOA



Địa chỉ:
Xã Đình Dù, huyện Văn Lâm, tỉnh Hưng Yên, Việt Nam

Thực hiện và duy trì **Hệ thống Quản lý Môi trường**


Với phạm vi áp dụng:


Sản xuất, Cung cấp Dây và Cáp điện lực, viễn thông

Đã được đánh giá và phù hợp với yêu cầu tiêu chuẩn:


ISO 14001:2015  

Chứng nhận số: 20VN008EM
Ngày cấp: 11 - 07 - 2020
Thời hạn hiệu lực: 10 - 07 - 2023




Đặng Anh Tuấn
Tổng giám đốc

VITRANCO BUILDING, 192 Thái Thịnh
Quận Đống Đa, Hà Nội, Việt Nam.

CHỨNG NHẬN 

Tổ chức Chứng nhận VCA

Chứng nhận:

CÔNG TY TNHH THIẾT BỊ ĐIỆN LIOA



Địa chỉ:
Xã Đình Dù, huyện Văn Lâm, tỉnh Hưng Yên, Việt Nam

Thực hiện và duy trì **Hệ thống Quản lý chất lượng**


Với phạm vi áp dụng:


Sản xuất, Cung cấp Dây và Cáp điện lực, viễn thông

Đã được đánh giá và phù hợp với yêu cầu tiêu chuẩn:

ISO 9001:2015  

Chứng nhận số: 20VN045QM
Ngày cấp: 11 - 07 - 2020
Thời hạn hiệu lực: 10 - 07 - 2023




Đặng Anh Tuấn
Tổng giám đốc

VITRANCO BUILDING, 192 Thái Thịnh
Quận Đống Đa, Hà Nội, Việt Nam.

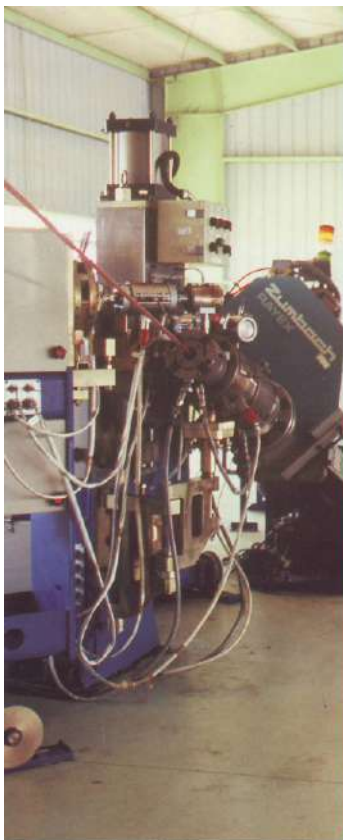
WIRE AND CABLE FACTORY - HUNG YEN



WIRE AND CABLE FACTORY - HUNG YEN



WIRE AND CABLE FACTORY - HUNG YEN



▲
UPCAST copper casting line
◀ Products QC
Copper drawing
▼

▲
◀ CCV line for ▶
medium voltage cable
Clean room
▼



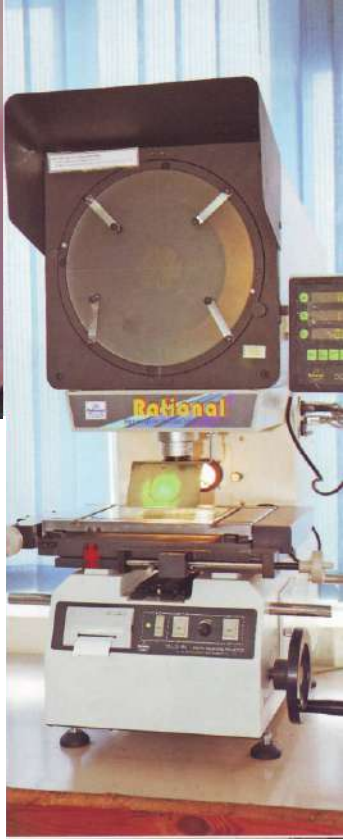
WIRE AND CABLE FACTORY - HUNG YEN



▲ Aluminum casting line
 Sheathing machine ▶
 ◀ Tapping machine
 Stranding machine ▼



▲ Fire Rated Test Room
 ◀ Mechanical testing equipment
 Partial discharge test chamber ▼



WIRE AND CABLE FACTORY - DONG NAI

Location : Dong Nai province - Vietnam

Square : 50.000 m²

Employees : 200

Product : wire and cable



WIRE AND CABLE FACTORY - DONG NAI



WIRE AND CABLE FACTORY - DONG NAI



WIRE AND CABLE FACTORY - DONG NAI



WIRE AND CABLE FACTORY - DONG NAI



ELECTRICAL ACCESSORY FACTORY - BAC NINH

Location : Bac Ninh province - Vietnam

Square : 55 000 m²

Employees : 300

Product : Extension socket, electrical accessory and other home appliances.



CERTIFICATE



Vietnam Certification Association

Hereby certifies that the company:

LiOA HIGH TECHNOLOGY JOINT STOCK COMPANY

Add:
Doan Ket Slope, Vinh Hung Street, Vinh Hung Ward, Hoang Mai District,
Hanoi City, Vietnam.
Factory: Thanh Khuong Industrial Park, Thanh Khuong Commune,
Thuan Thanh District, Bac Ninh Province, Vietnam

Implemented and maintains a **Quality Management System**

Scope:
Manufacture and Supply of Voltage stabilizers, Transformers, Power sockets, Electric fans, Electrical equipment, Lighting and electrical accessories.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

ISO 9001:2015



Certificate registration no:

VCA.0527.1T

Date issue:

10 - 01 - 2022

Original certification date:

27 - 06 - 2021

26 - 08 - 2024



Dang Anh Tuan
General Director

UPFRANCO BUILDING, 100 Thai Trinh,
Dong Da District, Ha Noi, Vietnam.

ELECTRICAL ACCESSORY FACTORY - BAC NINH

Tooling workshop



ELECTRICAL ACCESSORY FACTORY - BAC NINH

Tooling workshop



ELECTRICAL ACCESSORY FACTORY - BAC NINH

JSW Machines



ELECTRICAL ACCESSORY FACTORY - BAC NINH



ELECTRICAL ACCESSORY FACTORY - BAC NINH



LiOA
For now & Forever!



LiOA
For now & Forever!

I. WIRE AND CABLE

TAKING OVER TECHNOLOGIE, EQUIPMENT, MANAGEMENT SYSTEM OF NEXANS - LiOA



1. HIGH VOLTAGE CABLE

2. MEDIUM VOLTAGE CABLES

2. LOW VOLTAGE CABLES

3. FIRE RESISTANT & FLAME RETARDANT CABLES

4. INDUSTRIAL CABLES

6. BUILDING WIRES

LiOA Electric

I. WIRE AND CABLE

1. HIGH VOLTAGE CABLES

- a. 36/66(72.5)kV copper conductor cable
- b. 64/110(72.5)kV copper conductor cable

2. MEDIUM VOLTAGE CABLES

a. MV round wire armoured cables

- MV round wire armoured cables 3.6/6(7.2)KV
- MV round wire armoured cables 6/10(12)KV
- MV round wire armoured cables 8.7/15(17.5)KV
- MV round wire armoured cables 12/20(24)KV
- MV round wire armoured cables 18/30((36)KV
- MV round wire armoured cables 20/35(40.5)KV

b. MV tape armoured cables

- MV tape armoured cables 3.6/6(7.2)KV
- MV tape armoured 6/10(12)KV
- MV tape armoured 8.7/15(17.5)KV
- MV tape armoured 12/20(24)KV
- MV tape armoured cables 18/30((36)KV
- MV tape armoured cables 20/35(40.5)KV

c. MV unarmoured cables

- MV unarmoured cables 3.6/6(7.2)KV
- MV unarmoured cables 6/10(12)KV
- MV unarmoured cables 8.7/15(17.5)KV
- MV unarmoured cables 12/20(24)KV
- MV unarmoured cables 18/30((36)KV
- MV unarmoured cables 20/35(40.5)KV



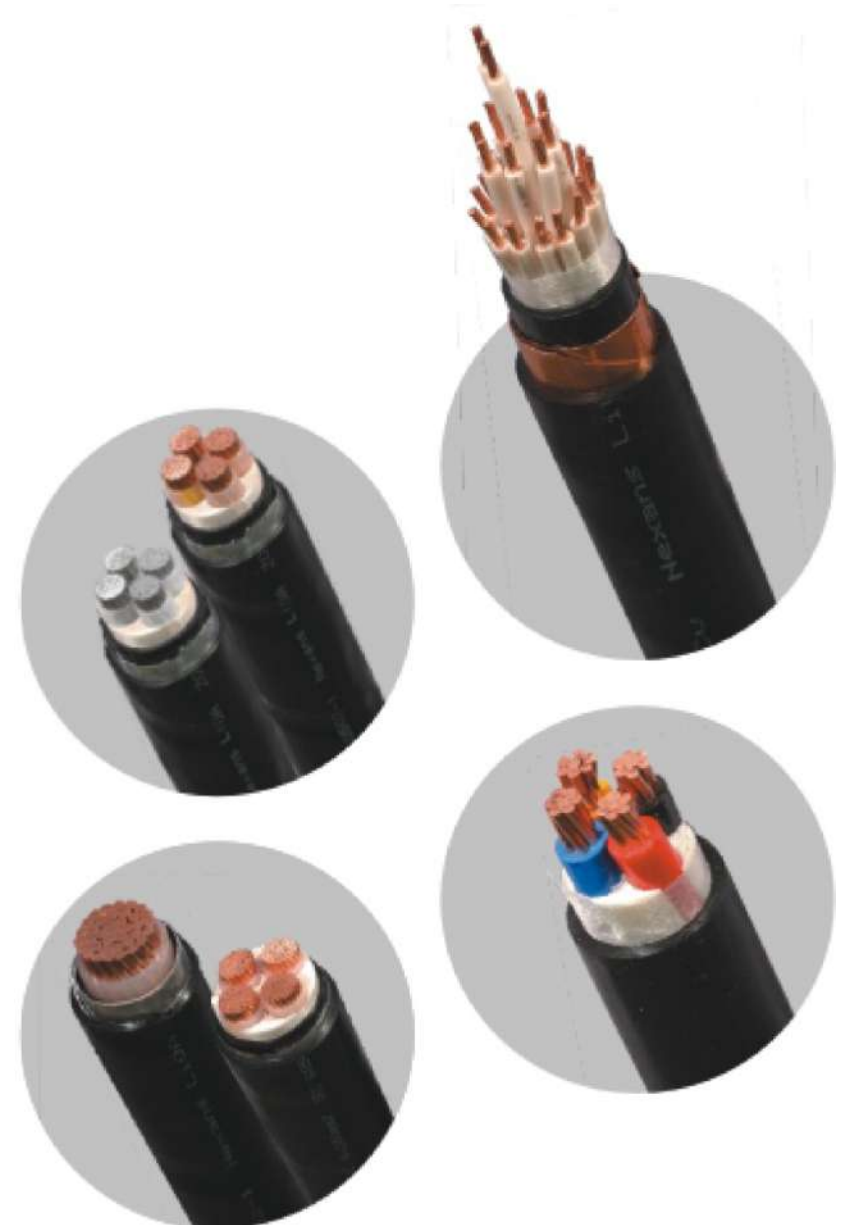
I. WIRE AND CABLE

3. LOW VOLTAGE CABLES

- a. Single core unarmoured cables
- b. Single core armoured cables
- c. Multi - core unarmoured cables
- d. Multi - core armoured cables
- e. Three phase with neutral core, unarmoured cables
- f. Three phase with neutral core, armoured cables
- g. Two cores with aluminum tape armoured cables
- h. Unscreened control cables
- i. Screened control cables

Accessories

- a. Low voltage cast resin joints
- b. Low voltage heat-shrinkable joints
- c. Low voltage heat-shrinkable terminations



I. WIRE AND CABLE

4. FIRE RESISTANT & FLAME RETARDANT CABLE

Fire Resistant cables

- Single core (FR-H, FR-XH, FR-XAH)
 - 02 core, 03 cores (FR-XH, FR-SXH)
 - Multi - core (FR-XH, FR-XSH)
 - 01 core - 04 cores (FR-XL, FR-XSL)
-

Flame Retardant Cable

- Single core (FRT-H, FRT-XH, FRT-XAH)
 - 02 cores - 04 cores (FRT-XH, FRT-XSH)
 - Multi - core (FRT-XH, FRT-XSH)
 - 01 core - 04 cores (FRT-XL, FRT-XSL)
-

Flame Retardant Screened Cable

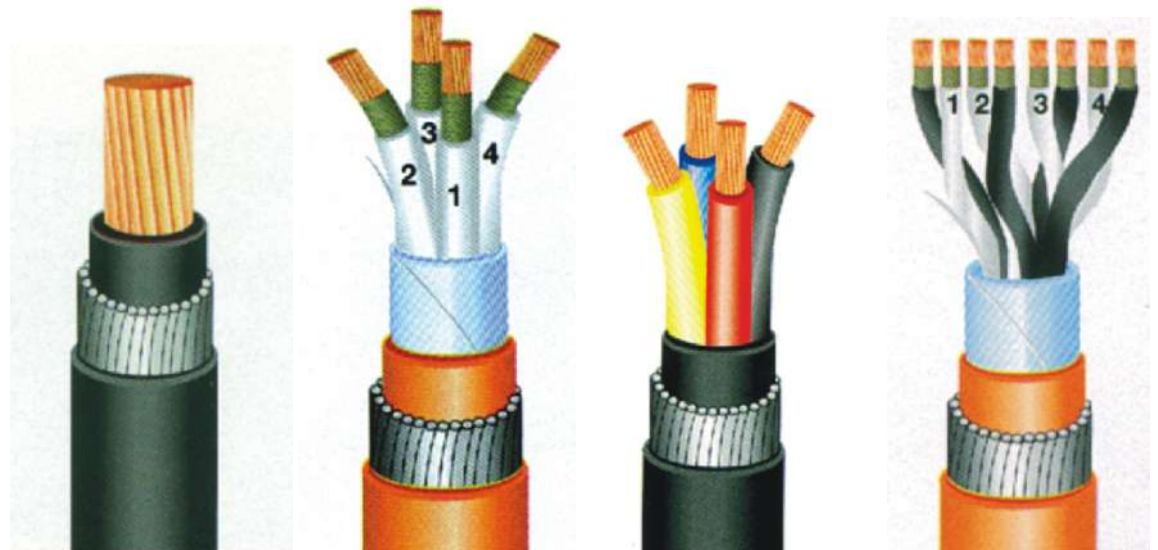
- Single core (FRT-XCAH)
- 04 cores (FRT-XCSH)
- 03 core + 03E (FRT-XCH)

Fire Resistant Instrumentation Cables

- Single & Multi Pairs (FR-XOL, FR-XOLS)
- Multi-Pairs (FR-XIOL, FR-XIOSL)
- Multi-cores (FR-XOL, FRXOSL)

Fire Retardant Instrumentation Cables

- Single & Multi Pairs (FRT-XOL, FRT-XOLS)
- Multi-Pairs (FRT-XIOL, FRT-XIOSL)
- Multi-cores (FRT-XIOL, FRT-XIOSL)



I. WIRE AND CABLE

5. INDUSTRIAL CABLES

a. Appliances cables

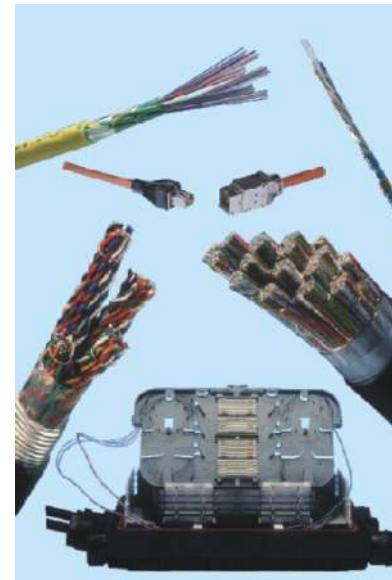
b. Control and instrumentation cables

c. Automotives

d. Exchanger and switchboard cables Indoor telecom cables

e. High temperature cables

f. Winding wires



I. WIRE AND CABLE

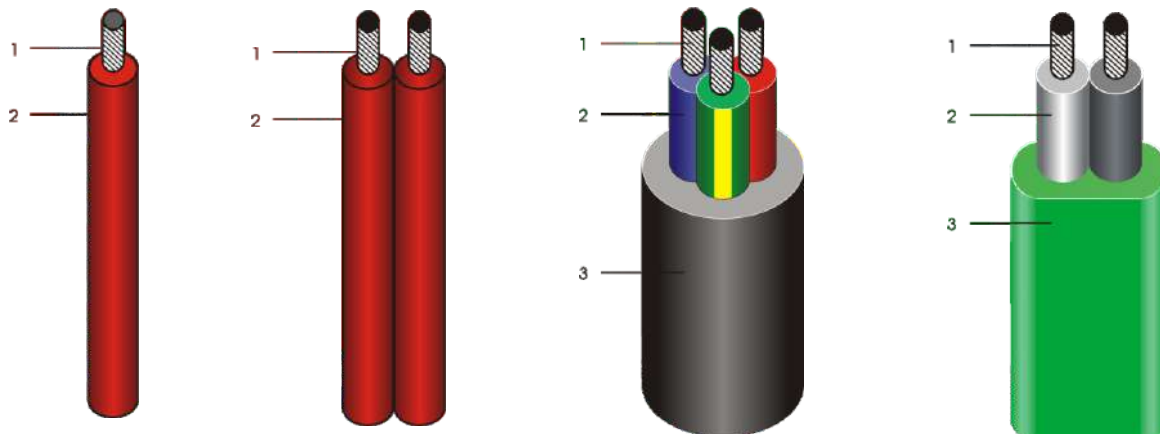
6. BUILDING WIRES

a. PVC Insolated single wire

- 450V/750V Rigid core wire (IEC 60227-3)
- 600V Rigid core wire (JIS C 3307)
- 660V Rigid core wire (TCVN2103)
- 450V/750V Strading core wire (IEC 60227-3)
- 600V Strading core wire (JIS C 3307 Std.)
- 300/500V Flexible core wire (IEC 60227-3)
- 450V/750V Flexible core wire (IEC 60227-3)
- 300V Flexible core wire (JIS C 3306)

b. PVC Insolated dual cores wire

- 250V dual cores wire (TCVN2103)
- 300V dual cores wire (JIS C 3306)



c. PVC Insolated round wire

- 300V/500V 02 cores wire (IEC 60227-5)
- 300V/500V 03 cores wire (IEC 60227-5)
- 300V/500V 04 cores wire (IEC 60227-5)
- 300V 02 cores wire (JIS C 3306)
- 300V 03 cores wire (JIS C 3306)
- 300V 04 cores wire (JIS C 3306)

d. PVC Insolated flat wire

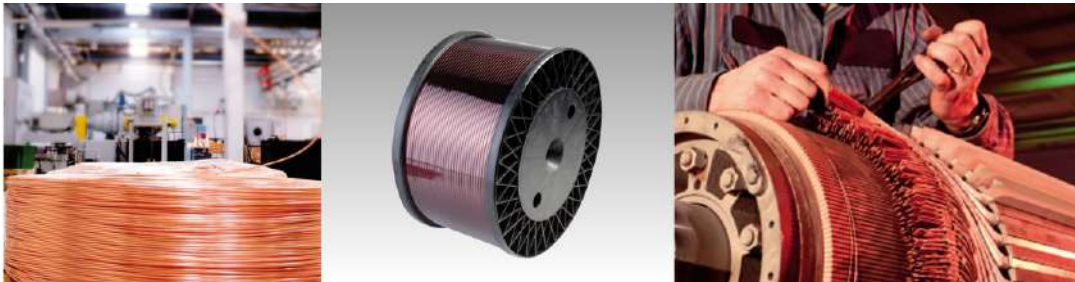
- 300V/300V flat wire (IEC 60227-5)
- 250V flat wire (TCVN2103)
- 300V flat wire (JIS C 3306)
- 300/500V flat wire (BS 6004)

I. WIRE AND CABLE

7. Magnet wire & Busbar

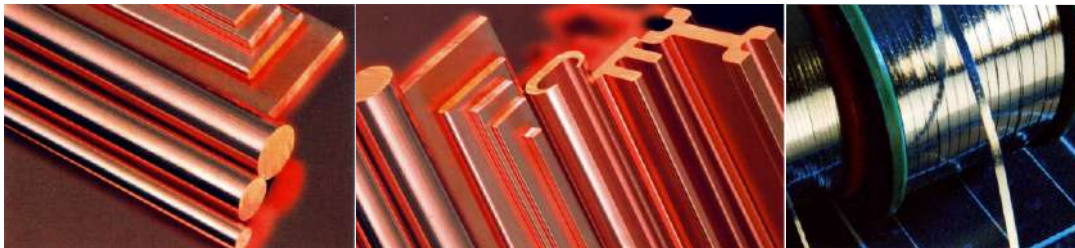
a. Magnet Wire

- Standard Diameters Round
- Solderable Round Wires
- Self Bonding Round Wires
- Flat Wires



b. Busbar

- Copper Busbar
- Copper Rod
- Aluminium Tube
- Aluminium Flat Busbar



CERTIFICATE OF COMPLIANCE

Certificate Number	20130919-E363753
Report Reference	E363753-20130918
Issue Date	2013-September-19

Issued to: **LIOA ELECTRIC EQUIPMENT CO LTD**
DINH DU COMMUNE VAN LAM DISTRICT
HUNGYEN 160000 VIET NAM

This is to certify that **COMPONENT - MAGNET WIRE**
representative samples of Component - Magnet Wire EI/AIW

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: **UL 1446 STANDARD FOR SYSTEMS OF INSULATING MATERIALS**

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Recognized Component Mark should be considered as being covered by UL's Recognition and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: **RA**, may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.


Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Recognized Component Mark on the product.

William R. Carney
William R. Carney, Director, North American Certification Programs
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contact

Page 1 of 1



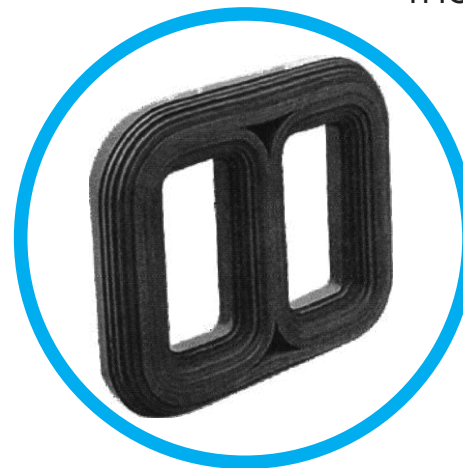
II. POWER TRANSFORMER

Feature

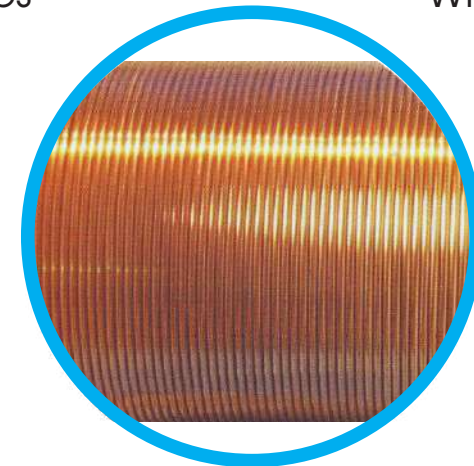
- Wound core technologie
- + High quality oriented Silicon sheets
- + Core shall be wonnd by a breake -
though technologie
- + Minimize the air gap
- + Low free-load losse
- + Light weight
- + Low noise
- + Strong construction



The Cores



Winding



II. POWER TRANSFORMER

Automatic Stabilizer Power Transformer

- Input 22Kv + 20%

Output 380V/220V + 5%



=



+



Automatic Stabilizer Power Transformer

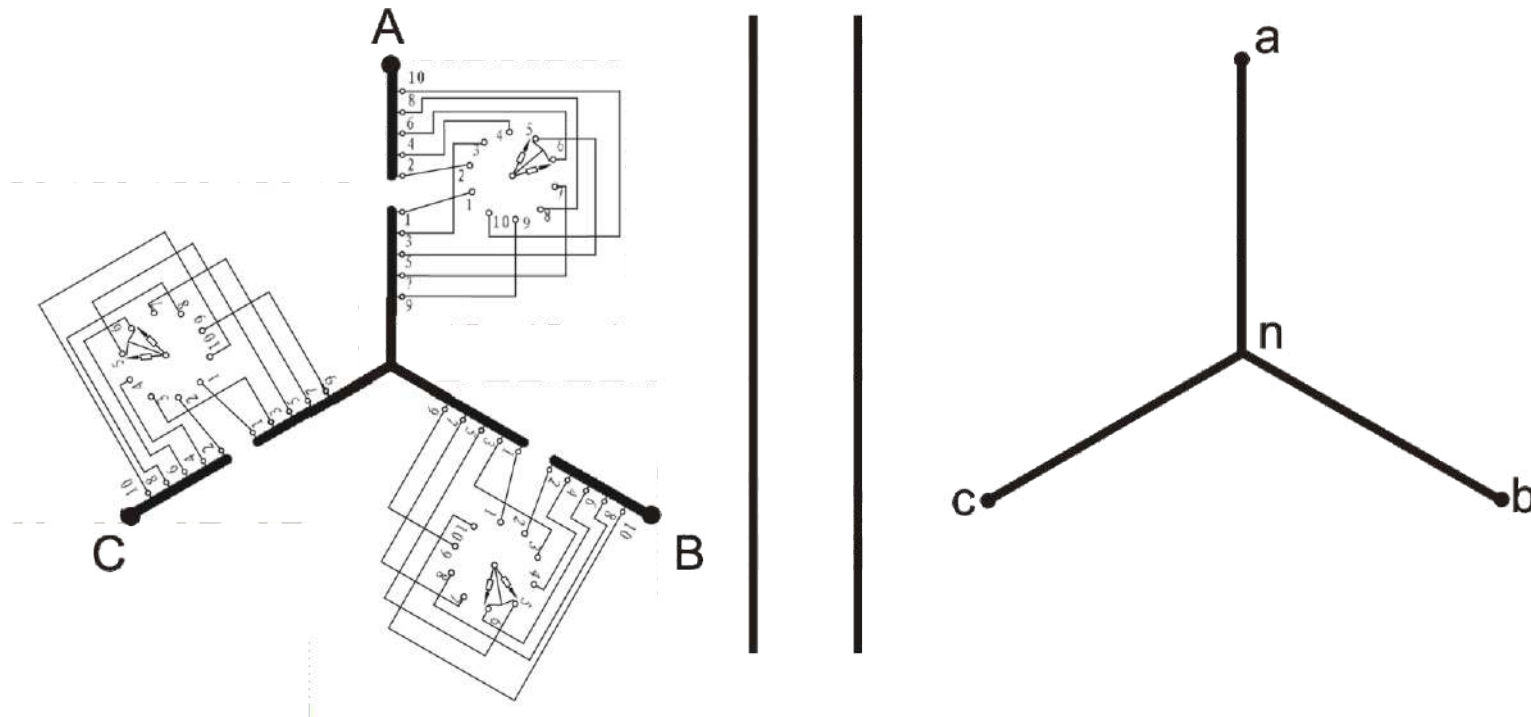
Power Transformer

Automatic Stabilizer

II. POWER TRANSFORMER

Automatic Stabilizer Power Transformer

- Advantages
 - + Supply stable voltage for the whole urban area or factory
 - + Reduce cut-off electricity to regulate the voltage
 - + Power Transformer will have a longer life



III. LIGHTING SYSTEM

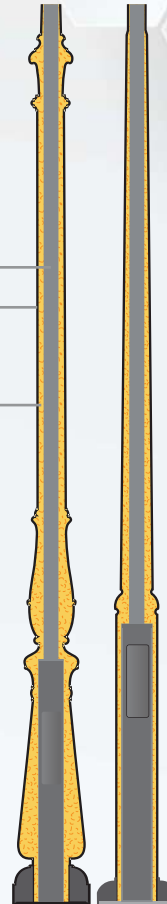
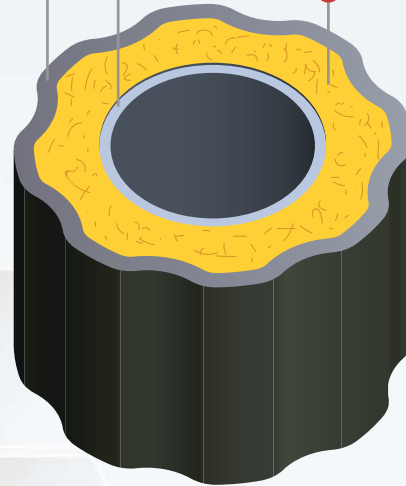
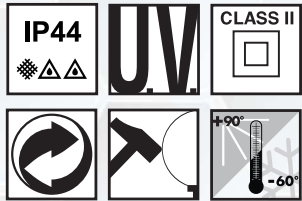
1. OUTDOOR

PRODUCT STRUCTURE

Hot dip galvanized, inside and outside

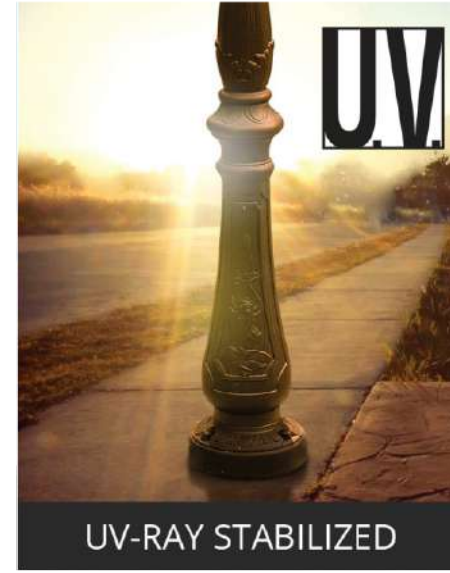
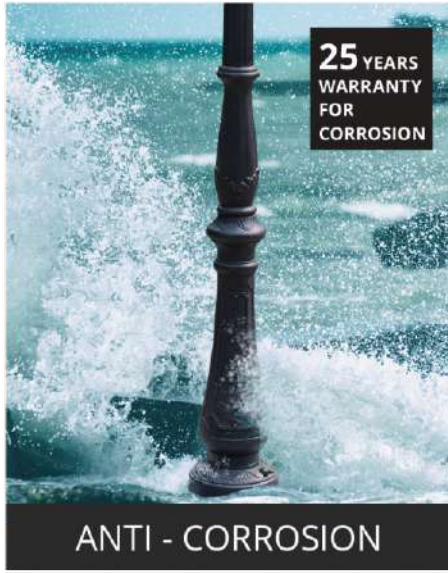
Special Plastic

Stif Polyurethane



III. LIGHTING SYSTEM

1. OUTDOOR



III. LIGHTING SYSTEM

1. OUTDOOR



III. LIGHTING SYSTEM

2.INDOOR



IV. WALL MOUNTED SWITCHES & SOCKETS

ADVANTAGES

- + Excellent quality plastic moulding
- + High quality input material (Bayer PC, Thyssen copper...)
- + Good plastic injection Machinery



IV. WALL MOUNTED SWITCHES & SOCKETS

● FULL RANGE FOR HOTEL



110V/240V-20VA SHAVER
SOCKET WITH OVERLOAD
CUT-OUT



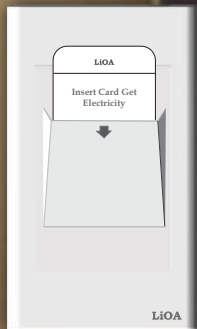
250V - 20A Key Switch



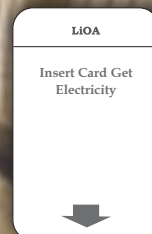
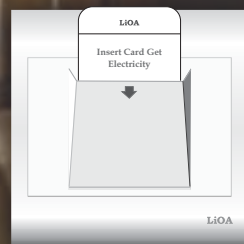
Type A



Type B



250V - 30A Saving Key Card Switch



Key card



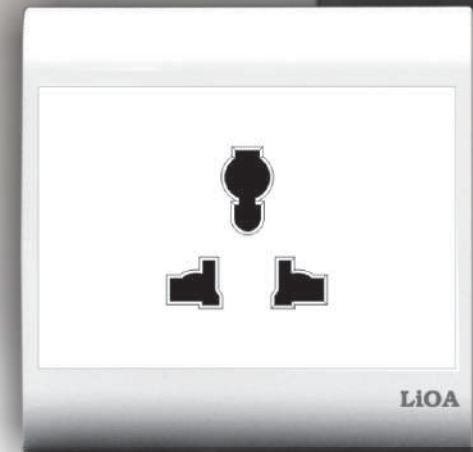
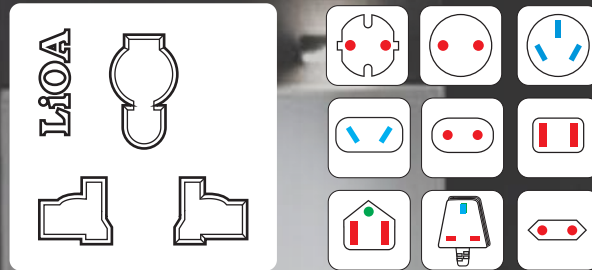
Bell Push Switch



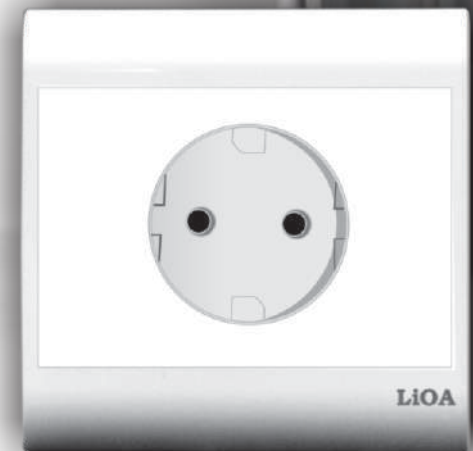
Bell Box

IV. WALL MOUNTED SWITCHES & SOCKETS

Universal socket is suitable for almost all plugs in the world



V20SDN SERIES



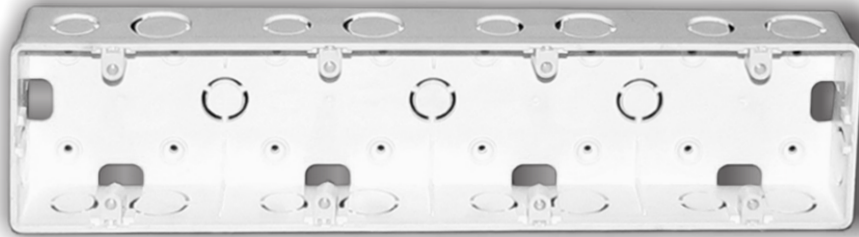
V20SDK SERIES

IV. WALL MOUNTED SWITCHES & SOCKETS

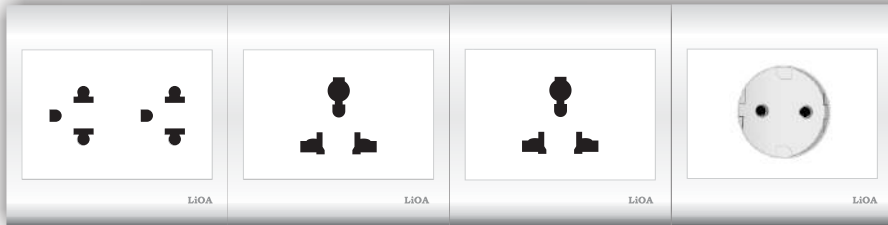
DIFFERENE FOR YOUR HOTEL

STANDARD HORIZONTAL POSITION INSTALLATION

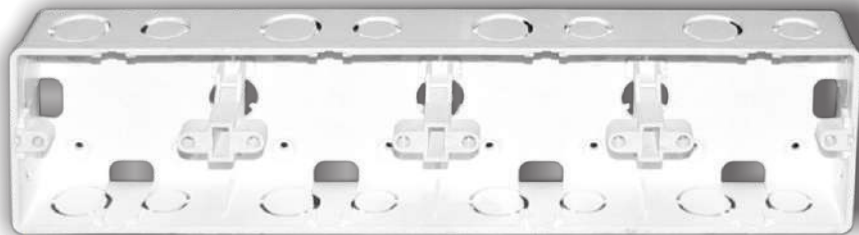
VERTICAL SCREW HOLES FLUSH BOX CHAIN



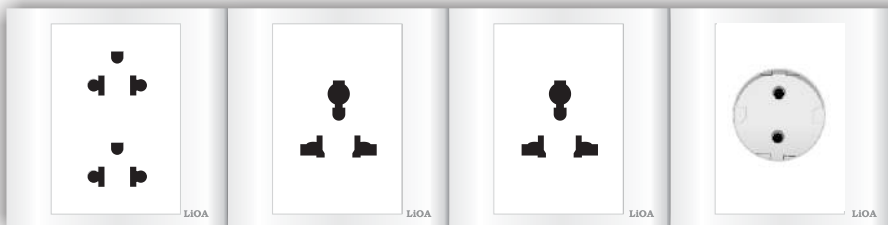
PLATES IN VERTICAL INSTALLATION



HORIZONTAL SCREW HOLES FLUSH BOX CHAIN



PLATES IN HORIZONTAL INSTALLATION



V20 SERIES

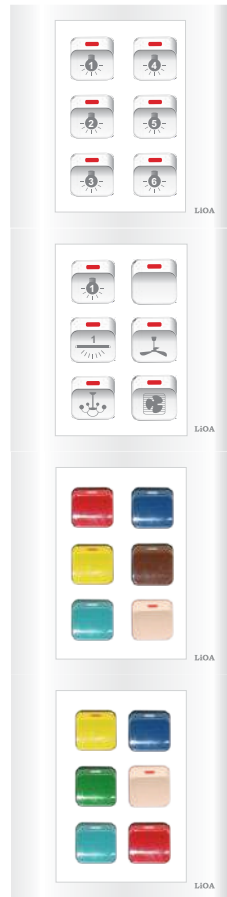
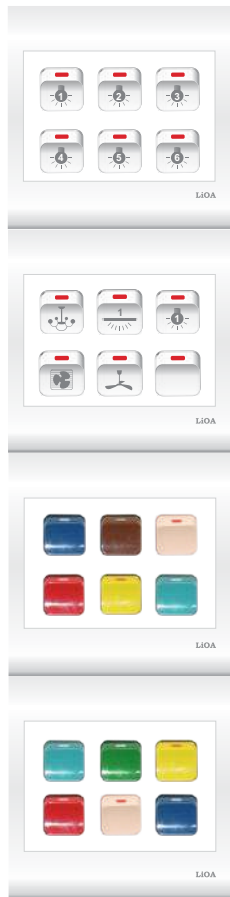
SERIES V20 WITH SQUARE TYPE FLUSH BOX CAN BE FLEXIBLY INSTALLED VERTICALLY OR HORIZONTALLY HELP TO PUT ECLECTRICAL EQUIPMENT REASONABLY & EFFICIENTLY



IV. WALL MOUNTED SWITCHES & SOCKETS

VERTICAL INSTALLATION AT COLUMN SHAPE POSITION

SERIES V20 WITH SQUARE TYPE FLUSH BOX CAN BE FLEXIBLY INSTALLED VERTICALLY OR HORIZONTALLY HELP TO PUT ELECTRICAL EQUIPMENT REASONABLY & EFFICIENTLY

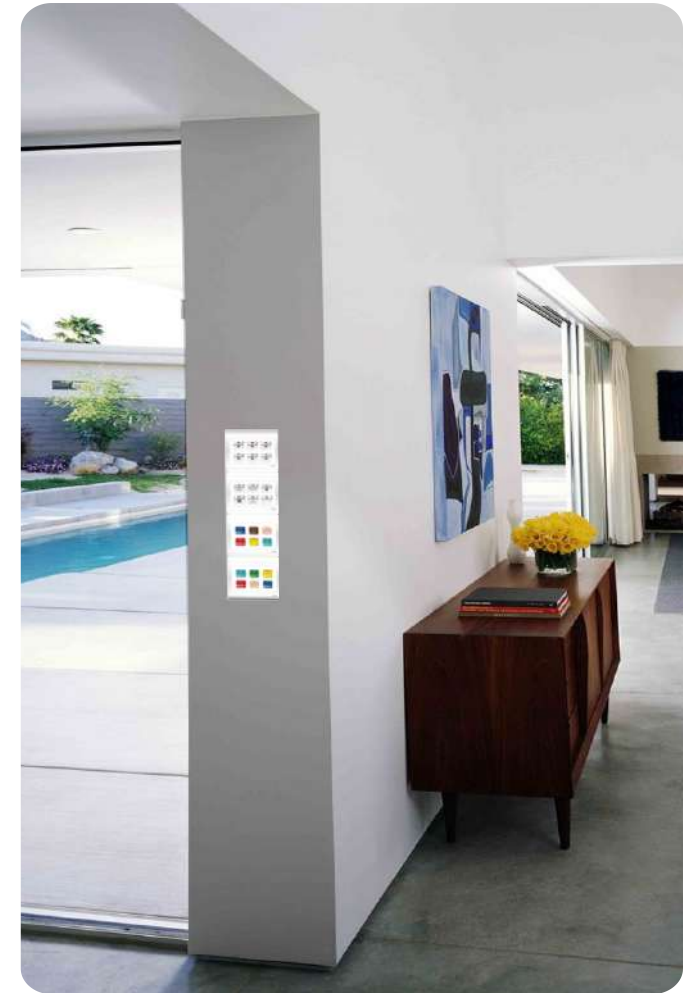


FLUSH BOX CHAIN WITH HORIZONTAL SCREW HOLES IN VERTICAL DIRECTION

FLUSH BOX CHAIN WITH VERTICAL SCREW HOLES IN VERTICAL DIRECTION

DIFFERENE FOR YOUR HOTEL

V20 SERIES



OR NARROW CORNERS OR SPECIAL POSITIONS LIVING ROOM SWITCHES SHOP OR SUPER MARKET...

LiOA

For now & Forever!

SOME PROJECTS



I. NATIONAL PROJECT

Supplied to number of national major projects



Electrical accessories for National Assembly Building and National Convention Centre



Electrical accessories for Hon Tre resort



Cables for National 500KV overhead lines backborns 500KV.



Cables for Thac Ba Hydropower plant

II. TELECOMMUNICATION PROJECT

vinaphone



LiOA



Hãy nói theo cách của bạn



mobifone



S·FONE



LiOA
For now & Forever!

III. NEW SCHOOLS, URBAN AREAS PROJECTS



Ton Duc Thang University - HCM City

III. NEW SCHOOLS, URBAN AREAS PROJECTS



Cua Nam street



Nguyen Gia Thieu street



Tran Hung Dao street



Ly Thuong Kiet street

Power transformer Projects in Hanoi and some provinces

III. NEW SCHOOLS, URBAN AREAS PROJECTS



Step Voltage Regulator Projects in Cambodia

III. NEW SCHOOLS, URBAN AREAS PROJECTS



These Projects celebrate 1000 years of Thang Long festival in Vietnam

III. NEW SCHOOLS, URBAN AREAS PROJECTS



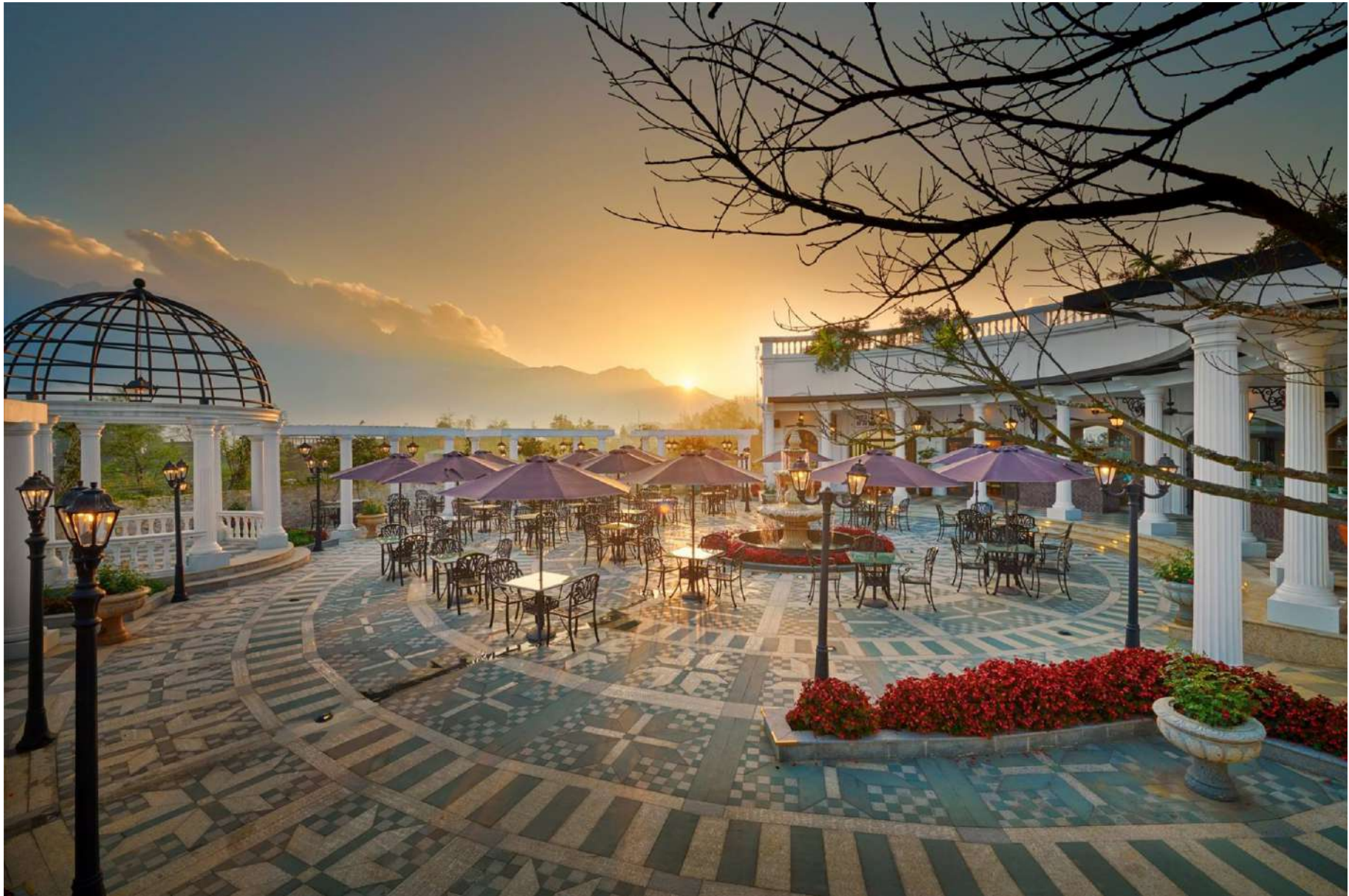
Ecopark - The largest ecological urban area in the North of Vietnam

III. NEW SCHOOLS, URBAN AREAS PROJECTS



Ecopark - The largest ecological urban area in the North of Vietnam

III. NEW SCHOOLS, URBAN AREAS PROJECTS



Outdoor Lighting in Silk-Path-Grand-Resort-Spa-Sapa

III. NEW SCHOOLS, URBAN AREAS PROJECTS



Outdoor Lighting in Silk-Path-Grand-Resort-Spa-Sapa

III. NEW SCHOOLS, URBAN AREAS PROJECTS



Outdoor Lighting in Silk-Path-Grand-Resort-Spa-Sapa

III. NEW SCHOOLS, URBAN AREAS PROJECTS



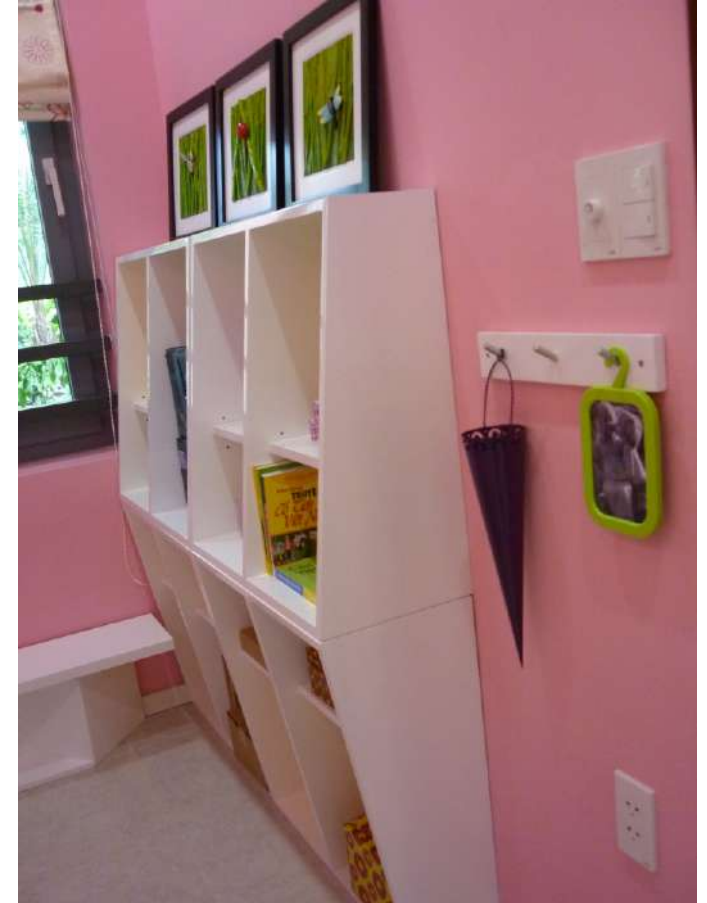
Outdoor Lighting in Dai Lai Resort

III. NEW SCHOOLS, URBAN AREAS PROJECTS



Outdoor Lighting in Dai Lai Resort

III. NEW SCHOOLS, URBAN AREAS PROJECTS



Vincom Village

III. NEW SCHOOLS, URBAN AREAS PROJECTS



Ciputra urban area in the North of Vietnam

III. RESORT, HOTEL PROJECTS



Electrical accessories and outdoor lighting for Hon Tre resort

III. RESORT, HOTEL PROJECTS



Electrical accessories and outdoor lighting for Mui Ne resort

III. RESORT, HOTEL PROJECTS



Electrical accessories and outdoor lighting Chi Linh Golf Cours

III. RESORT, HOTEL PROJECTS

MANY BIG HOTELS IN VIETNAM



Sofitel Metropole



Sheraton Hotel



Sofitel plazar



Melia Hotel



Nikko Hotel



Hilton Hotel



Hanoi Daewoo

IV. LiOA MARKET



A.V.S LiOA product in Myanmar



Extension Socket in Thailand Hyper Market

IV. LiOA MARKET



Extension Socket in Thailand Hyper Market

IV. LiOA MARKET



Showroom LiOA Outdoor Lighting in Qatar

IV. LiOA MARKET



LiOA Showroom in Laos

IV. LiOA MARKET



LiOA Showroom in Cambodia

IV. LiOA MARKET



LiOA products are distributed in Thailand Stores

IV. LiOA MARKET



LiOA Showroom in Myanmar

IV. LiOA MARKET



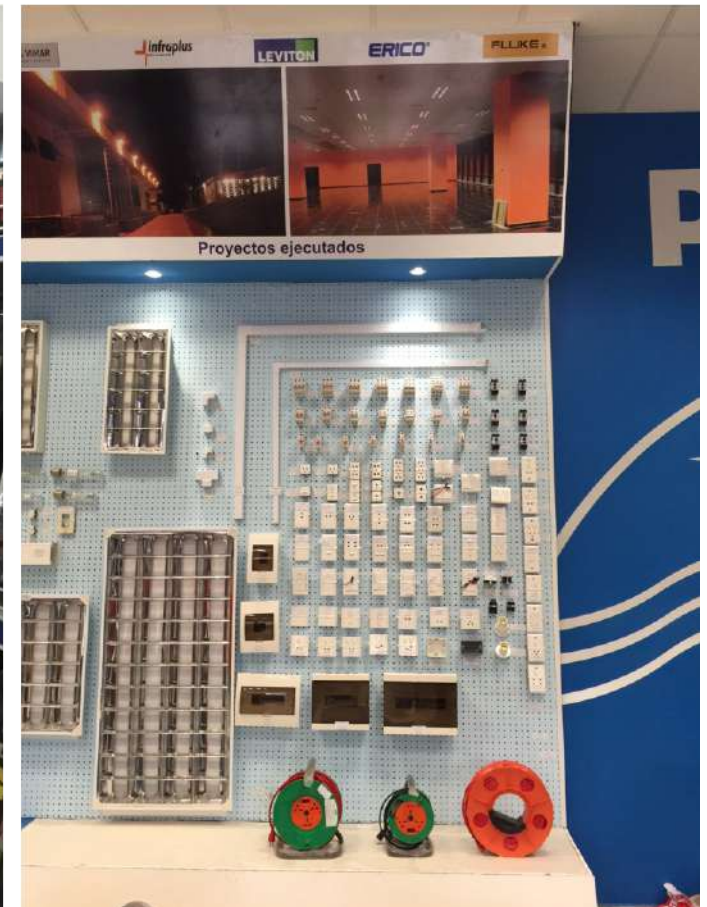
LiOA Lighting in Factory - Ohara - Japan

IV. LiOA MARKET



LiOA Product in Ace Hardware - Indonesia

IV. LiOA MARKET



LiOA Showroom in Cuba

IV. LiOA MARKET



Advertising LiOA product in Myanmar market

LiOA MARKET



OEM PRODUCTS for ORTEA (Italy)

LiOA MARKET



OEM PRODUCTS for ACE HARDWARE (Indonesia)

LiOA MARKET



OEM CLICK PRODUCTS for SCOLMORE (UK)

LiOA

For now & Forever!