



## CORPORATE BROCHURE



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## The Story Behind ACL

### ACL Cables - Since 1962

ACL is the No. 1 cable manufacturer in Sri Lanka having pioneered the industry in 1962. ACL holds 45% share of the local market and produce the widest range of cables in Sri Lanka. Today ACL has grown to be a group of companies holding 70% share of the cable market in Sri Lanka. ACL is the most sought - after brand of cables in Sri Lanka, having supplied 80% of the requirements of Duty Free projects owned by overseas investors and approved by the Board of Investment, beating foreign supplies of cables. All leading factories, hotels, commercial buildings and warehouses have used ACL Cables.

ACL continues to innovate and lead the field in the introduction of new products, modern technology and machinery. In the five decades of it's existence, the company has evolved as a specialized manufacturer and supplier of the widest range of quality cables and conductors in the country, while possessing the most advanced technology in the Asian region for the manufacture of low voltage Cross Linked Polyethylene cables (XLPE).

### Concept at ACL

The primary motive at ACL is to differentiate itself from rest of it's competitors within the industry. Differentiation has been the philosophy at ACL, which it has mastered through the use of superior technology and advanced quality control techniques. ALC has been practicing this throughout it's history, which has led to manufacture a variety of first to market products such as Aerial Bundled Cables (ABC), ACL Fire Guard, ACL Fire Zero, ACL Fire Survivor etc. ACL is the pioneered manufacturer of fire retardant and fire resistant cables in the industry, proving its competence of differentiation.

Modern industries and technologies have opened forth a wide range of endeavours and ventures in the island of Sri Lanka. ACL ushered a new era in power sector and dedicated itself to the cause of transmission, distribution and utilization of electrical energy for all cross sections of the country. With a rich heritage of over five decades, ACL offers its products, which not only meet the stipulated requirements of the governing National and International specifications, but far exceeding them.

Excellence through "Total Quality Management" is the catchword at ACL. Since its inception ACL has striven not only to upgrade the product quality but also to bring into practice superior management of men to make its place in the international market. Professionalism, advanced know-how and technology, customer service have been the hallmark of ACL. Its quality concept is translated into every length of products through co-ordinated efforts of professionals on job.

### ACL Technology

From the inception ACL has been acquiring foreign technology for the development of existing and new products. In the year 1962, ACL commenced business with technical assistance arranged through the Colombo based liaison office of Mitsui. Japanese Technology, Japanese Machinery & Japanese Engineers helped ACL to establish a Foundation of Quality. Thereafter, ACL joined hands



with two cable companies in India to establish the manufacture of Aluminium Conductors and Armoured Cables.

One of the company's most notable technology transfer agreements in the recent past have been with NOKIA Cables of Finland for the manufacture of XLPE Insulated Cables, Aerial Bundled Cables and Aluminium Alloy Conductors. Having obtained technology from NOKIA on two occasions in the year 1989 and 1993, ACL upgraded its technology on XLPE insulated Aerial Bundled Cables to surpass National French Standard NFC 33-209 in the year 1998 through its own Research and Development. This was a feat not matched in the region by any other manufacturer at that time. Today ACL remain the only manufacturer in whole of South and East Asia with a comprehensive Type Test Report obtained from France for Aerial Bundled Cables conforming to National French Standard NFC 33-209:1996. The technology so achieved is employed in the manufacture of XLPE insulated Armoured and Unarmoured power cables. These developments offer many benefits to valued customers and in order to highlight those benefits it was decided to name all our XLPE insulated cables under the brand name Power-X.

Having obtained ISO 9002 certification in the year 1998, ACL was awarded the prestigious ISO 9001-2000 certificate in the year 2002. In the same year ACL was awarded ISO 14001:1997 Environmental Management Systems Certification.

## Quality Assurance

Quality assurance department of ACL cables plays a responsible and essential role not only throughout the entire manufacturing process, but also in inspection & testing of incoming raw materials and fulfilling the satisfaction of end-users.

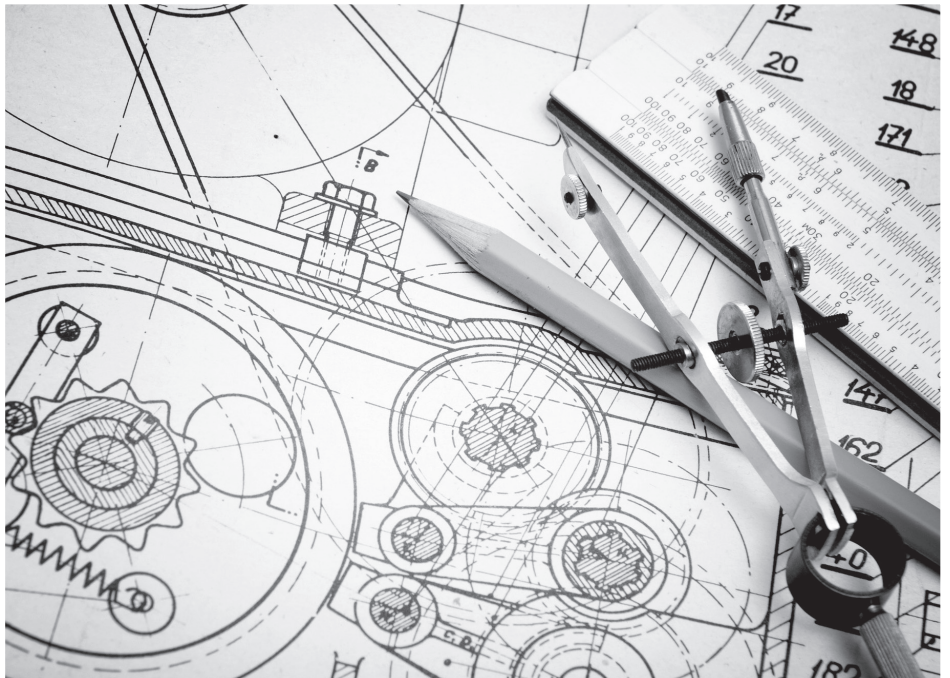
According to our ISO 9001 management system, all inspection and testing have been divided in to three category.

1. Incoming Inspection
2. In-process Inspection
3. Final Inspection

- ACL contributes its best effort to assure quality from raw material stage and through manufacturing processes and stages.
- All routine, acceptance and type tests are done according to the relevant quality plans and national & international standards.
- ACL always train our QA personnel by upgrading their knowledge to fulfill the modern technological requirements.
- ACL check the quality, performance and endurance of new products during design & development stages. Laboratory testing facilities are upgraded with new product developments and ACL laboratory is fully equipped with state of the art test instruments.
- ACL's monitoring & measuring devices are maintained healthy in a dust free, pollution free, humidity and temperature controlled laboratory and these are calibrated as per ISO 9001 procedures by Sri Lanka Standard Institution (SLSI) and Industrial Technology Institution (ITI).
- ACL always give more attention to analyze any failure, in order to identify causes and prevent reoccurrences though our number of defective items is very low.
- ACL Fire Guard, ACL Fire Zero and ACL Fire Survivor cables are subjected to special fire withstand tests as per the latest British (BS) & IEC standards. ACL fire testing laboratory facilitated with modern fire testing instruments and this is the one and only fire cable testing laboratory in Sri Lanka.
- ACL quality assurance department offers laboratory services in accordance with international and national standards as expected by its customers.









## Technological Development

- **1962** Establishment of ACL with technical assistance arranged by Mitsui of Japan.
- **1978** Introduction of Wire Drawing facility.
- **1981** Acquisition of technology from Alind of India for drawing and processing of Aluminium Conductors to jointly manufacture and supply 1400 MT of AAC-Fly Conductor to Ceylon Electricity Board.
- **1985** Manufacture of Armoured Power and Control Cables for the first time in Sri Lanka with Indian technical assistance.
- **1989** Acquisition of Technology from NOKIA of Finland to jointly manufacture XLPE insulated Aerial Bundled Cables to execute an order for 800 km of that product on an ADB funded tender floated by Lanka Electricity Company.
- **1993** Acquisition of Technology from NOKIA of Finland to draw and age Aluminium Alloy and establishment of aging furnace.
- **1993** Establishment of ACL Plastics Limited for the manufacture of our own PVC Compound.
- **1994** Pilot project for 11kv partially insulated conductors working with Ceylon Electricity Board.
- **1998** Successfully upgraded XLPE Extrusion Technology to National French Standard NFC 33-209 and won 500 km order for Aerial Bundled Cables from Ceylon Electricity Board.
- **2005** Introduction of Flame Retardant (FR), Flame Retardant Low Smoke (FRLS) and Low Smoke Halogen Free (LSHF) cables with technical assistance from a British Company.
- **2007** Setting up of Aluminium Rod Plant with a total capacity of 24000 metric tons per annum.
- **2010** Re-launch of 11kv & 33kv ACL SAX as per new specifications of CEB with the second pilot project.
- **2013** Manufacture of Fire Survival cables to maintain circuit integrity under fire conditions in accordance with BS 6387:1994, for the first time in Sri Lanka.
- **2015** Further upgrading of 11kv to 33kv ACL SAX conductors as per British Standards BS EN 50397-1:2006.

# HIGHLIGHTS

## Corporate Highlights

**1962** - Commencement as a member of Associated Motorways Group (AMW) of Companies under the name Associated Cables Ltd.

**1976** - Converted to a Public Limited Liability Company.

**1978** - Moved out of AMW Group.

**1982** - Establishment of own island wide distribution network.

**1990** - Change of company name to ACL Cables Limited.

**1993** - Establishment of ACL Plastics Limited.

**1995** - Acquisition of Ceylon Bulbs and Electricals Limited.

**1999** - Purchase of 75% of shares of the second largest cable manufacturer in the island.

**2002** - Setting up of state of the art Magnet Wire project.

**2005** - Introduction of Fire retardant cables in Sri Lanka (ACL Fireguard, ACL Firezero)

**2007** - Establishment of ACL Metals & Alloys (Pvt) Ltd.

**2011** - Setting up of Copper Rode Plant.

**2011** - Shifting ACL Head Office to newly constructed four storied own building at Colombo 08.

**2013** - Establishment of ACL Electric (Pvt) Ltd for manufacture of switches.

**2013** - Manufacture Fire resistant cables (ACL Fire Survivor) with in-house testing facilities.

**2018** - Introduction of ACL Elegance switches and sockets.

## Achievements

**1995** - Commencement of export of cables in August 1995 US\$ 269,650/- worth of Alloy Conductors were exported to Rural Electrification Board, Bangladesh. In November 1995 US\$ 117,609/- worth of Armoured Cables were exported to Maldives Electricity Board, Maldives.

**1998** - Achievement of ISO 9002:1994 Quality Management System Certificate Achieved prestigious ISO 9002:1994 Quality Management System Certificate.

**2002** - Achievement of ISO 9001: 2000 Quality Management System Certificat Achieved prestigious ISO 901:2000 Quality Management System certificate.

**2002** - Introduction of "ACL FLEXI" cables to the Sri Lanka market. Introduced a series of domestic wires with super flexibility in the range of 1.0mm<sup>2</sup> - 6mm<sup>2</sup>.

**2002** - Achievement of ISO 14001:1997 Environmental Managment System Certificate Achieved prestigious ISO 14001:1997 Environmental Management System Certificate.

**2004** - Large scale export of Aerial Bundled Cables to India.

**2004** - Achievement of IS 694 Product Certificate from Bureau of Indian Standards.

**2007** - Taiki Akimoto 5S Merit Award.

**2007/2008** - Industrial Excellence Gold Award in Extra Large Manufacturing category.

**2007** - National Quality Award - Large Scale Manufacturing category (Highest award for Quality in Sri Lanka).

**2007** - National Productivity Award - Large Scale Manufacturing category (Highest award for Productivity in Sri Lanka).

**2008** - Highest Award of Asia Pacific Quality Organization called the World Class Award (A record to date among all Sri Lankan manufactures).

**2008** - Commencement of export of cables to Australia.



**2009** - Industrial Excellence Crystal Award in Extra Large Manufacturing category.

**2011** - Commencement of export of cables to New Zealand.

**2013** - National Cleaner Production Award in recognition of Excellence in Resource Efficient & Production Practices in Manufacturing Large category.

**2013** - Special Award for Excellence Performance in Material Efficiency in Manufacturing Large category.

**2014** - Global Commerce Excellence Award - awarded by Shippers Academy in Association with Central Bank of Sri Lanka

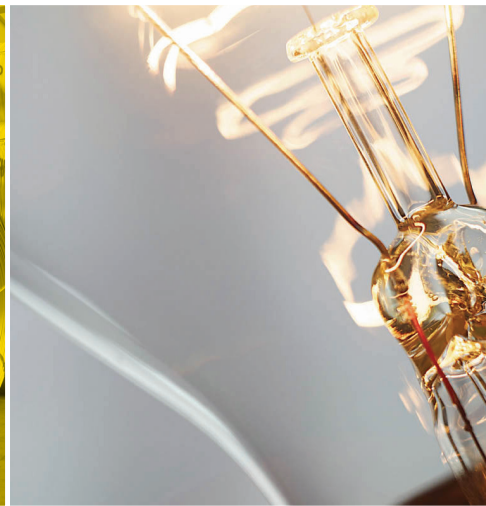
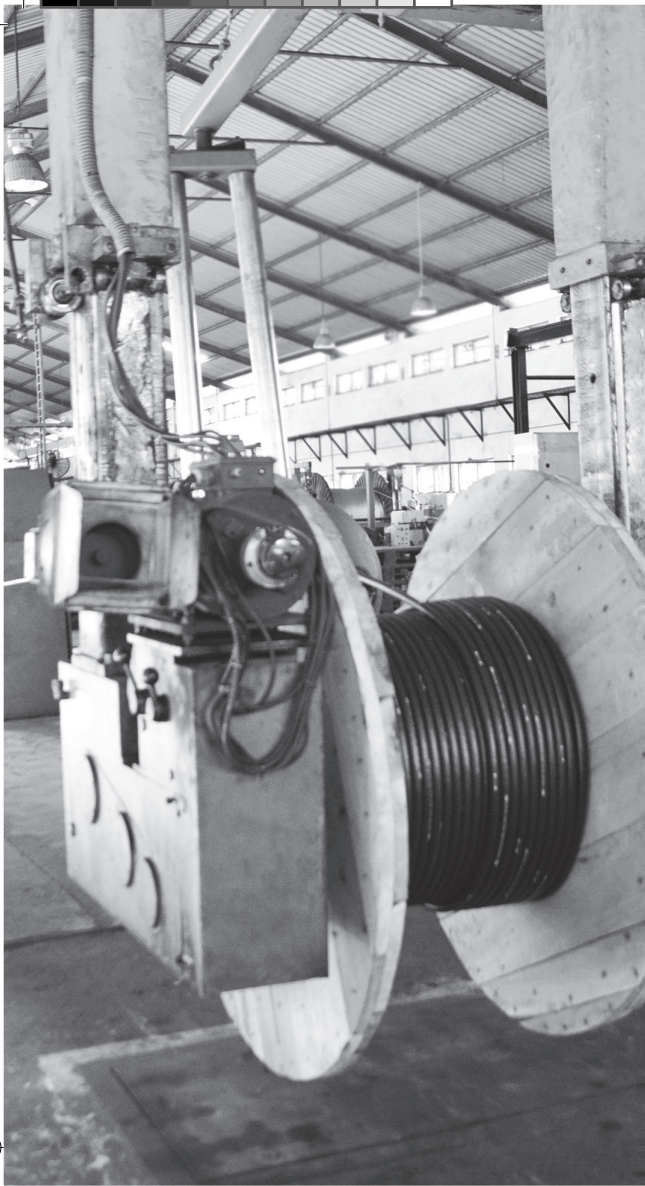
**2015** - B2B Brand of the Year - Gold Award at Slim Brand Excellence 2015.

**2017** - Master Brand Status - Awarded by CMO Asia in partnership with world Marketing Congress.

**2018** - B2B Brand of the Year - Silver Award at Slim Brand Excellence 2018.



























## Major Projects

 <p>Colombo City Centre</p>	 <p>One Galle Face Mall</p>	 <p>Marino Mall</p>	 <p>Shangri-La, Colombo / Hambantota</p>
 <p>The Kingsbury Colombo</p>	 <p>RIU, Ahungalla</p>	 <p>Marriott, Weligama</p>	 <p>Shangri-La, Maldives</p>
 <p>Cheval Blanc, Maldives</p>	 <p>Eon Resorts, Maldives</p>	 <p>AVIC Astoria Apartment</p>	 <p>Altair Residences</p>
 <p>Crescat Residences</p>	 <p>Hilton Residences, Colombo</p>	 <p>Lanka Hospitals</p>	 <p>Bank of Ceylon</p>
 <p>Southern / Airport Highway</p>	 <p>R. Premadasa / Palkelele Stadium</p>	 <p>NSBM Green University</p>	 <p>Faculty of Technology-USJ</p>

## Cables and Conductors

Building Wires

Armored and Unarmored Power Cables (With PVC or XLPE Insulation)

Armored and Unarmored Control Cables (With PVC or XLPE Insulation)

Aluminum Conductors

- All Aluminum Conductors (AAC)
- All Aluminum Alloy Conductors (AAAC)
- Aluminum Conductors Steel Reinforced (ACSR)

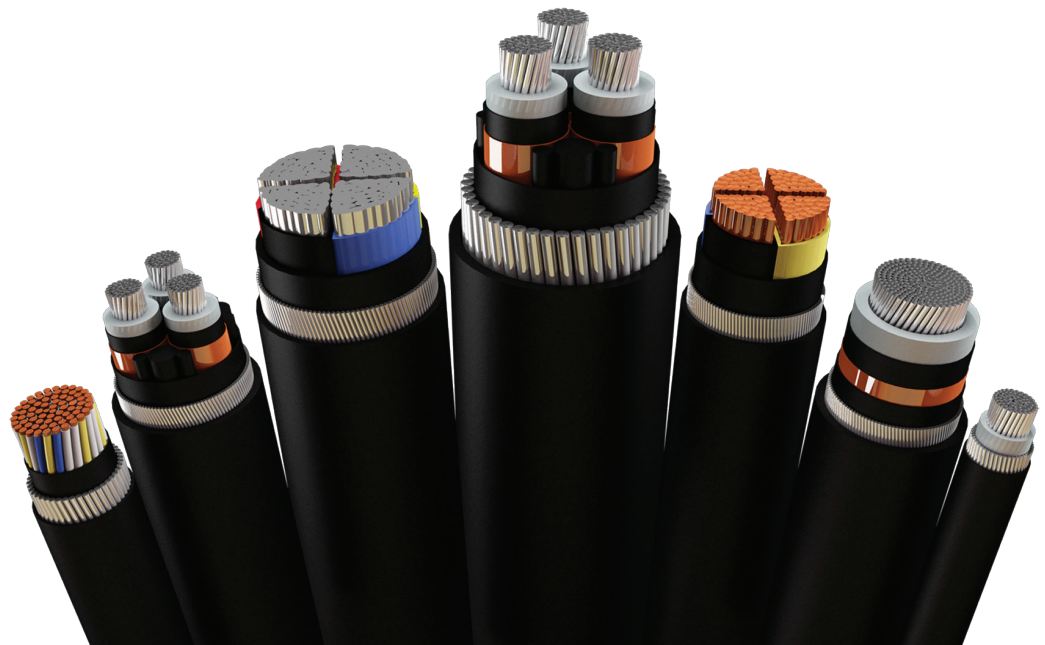
XLPE Insulated Low Voltage Aerial Bundled Cables (ABC)

Partially Insulated Covered conductors - ACL SAX for 11kv and 33kv

Instrumentation Cables

Fire Retardant Cables (Fire Zero)

Fire Resistant Cables (Fire Survivor)







## Switches, Sockets and Accessories

### VS Series Switches & Sockets

- One Gang One Way Switch
- Two Gang One Way Switch
- Three Gang One Way Switch
- Four Gang One Way Switch
- Five Gang One Way Switch
- One Gang Two Way Switch
- Two Gang Two Way Switch
- Three Gang Two Way Switch
- One Gang Bell Press
- Double Pole Switch - 20A
- Blank Plate
- 13A Switched Socket Outlet
- 13A Switched Socket Outlet With Neon
- TV Socket Outlet
- Telephone Socket Outlet - 04 Wire
- Data Socket Outlet
- 13A Twin Socket
- USB Charger - 5V / 2.5A
- Light Dimmer 500VA
- Fan Speed Controller
- 05 Step Fan Controller

### Low Voltage Switches

- Circuit Breaker (MCB) Single Pole
- Trip Switch (RCD) Double Pole
- Main Switch (Isolator) Double Pole
- Led Indicating Light (Red) MCB Single Pole
- Led Indicating Light (Blue) MCB Single Pole
- Led Indicating Light (Yellow) MCB Single Pole
- Led Indicating Light (Green) MCB Single Pole
- Bell For MCB

### ACI Elegance Switches & Sockets

- One Gang One Way Switch
- Two Gang One Way Switch
- Three Gang One Way Switch
- Four Gang One Way Switch
- One Gang Two Way Switch
- Two Gang Two Way Switch
- Three Gang Two Way Switch
- Four Gang Two Way Switch
- Double Pole Switch - 20A
- 13A Switched Socket Outlet
- 13A Switched Socket Outlet Neon
- Light Dimmer
- Fan Speed Controller
- Tv Socket Outlet
- Telephone Socket Outlet
- One Gang Bell Press Switch
- Data Socket Outlet
- Blank Plate

### Accessories

- Lamp Holder
- Ceiling Rose
- 13A Plug Top
- Insulation Tape
- Junction Box (Round / Square)
- Sunk Box
- Ceiling Fan - Metal
- Ceiling Fan - Aluminium





# EXPORTS

## Countries ACL Export Cables To







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