

Jeddah^{cables}
COMPANY®

Company PROFILE





**1st & Only VCV Tower
IN KINGDOM**

Our Background

Jeddah Cables Company is a leading manufacturer and innovator of a wide range of cable products, and with its extensive design and production capabilities, as well as a long-standing dedication to customer service Jeddah Cables Company is a proven preferred choice of cable clients throughout the region.

Jeddah Cables Company - a pioneer in R&D of cable and wire products, are prominent in the Communications, Electronic and Industrial, Commercial and Industrial Construction, HVAC, Automotive, Energy, Utilities and government market segments. In each of its diverse products, Jeddah Cables Company's distinct advantage is portrayed in its relentless commitment to quality, which is complemented by its superior technical expertise and extensive manufacturing capabilities. While we have always been known as a "quality" cable manufacturer, the drive for perfection has accelerated in recent years thanks to our rigorous accreditation process that is currently underway in our Laboratories. This is in addition to the aggressive quality control programs already in place. Continuous in-process inspections, full Laboratory verifications of product specifications and rigid life testing of finished products are all a routine. Rest assured that our products also meet all applicable international standards such as IEC, BS, ASTM, ICEA, AEIC, NEC and UL in addition to customer requirements.

Our Medium, High Voltage and Extra High Voltage (MV, HV, EHV & HVDC) plants are equipped with the latest CV and VCV line technology, as well as a recently commissioned EHV-Lab. These high-tech machineries use triple XLPE extruders to meet all the requirements of MV/HV&EHV cable insulation extrusion.

At Jeddah Cable Company choosing a cable means more than selecting products from a catalogue, it means:

- Working with you, responding to technical problems with innovative solutions.
- Meeting your needs for dependable products, manufactured to your specifications with precision.
- Meeting tight deadlines and showing the kind of leadership and responsiveness that result in dependable service.

Our reputation for excellence has come from meeting the demanding performance needs of industrial control and instrument applications.

More than three decades of experience in designing and manufacturing complex cable configurations has equipped Jeddah Cables Company with the right tools to tackle virtually any application. Our people have the knowledge, understanding and enthusiasm to satisfy your needs.



AT THE HEART OF CABLES BUSINESS





Our Brief

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E-mail	info@cables.energya.com
Website	www.jeddahcables.com
Classification	Limited Liability Company
Industrial Lic. No.	1096
C.R No.	4030092405
Founding Date	28-06-1409 H 04-Feb-1989 G
Paid up Capital	SR 400,000,000.00
Bank References	Riyad Bank, Saudi Awwal Bank, Saudi National Bank, Saudi Fransi Bank

A photograph of a manufacturing facility, likely a cable factory, featuring large spools of copper wire and industrial machinery. The image has a blue and red color overlay.

Manufacturing Facilities



▶ **Low Voltage Cables Plant**



▶ **Special Cables Plant**



▶ **Medium, High & Extra High Voltage Cables Plant**



▶ **Copper Rod Plant**



▶ **Aluminum Rod Plant**



▶ **Plastic Plant**



▶ **Wooden & Steel Reel Plant**





Low Voltage Cables Plant

We produce comprehensive products for the LV as well as Oil & Gas markets based on international standards and/or Client specifications. The product ranges in both size (0.5 mm² to 1000 mm²) and voltage rating (up to 1.8/3kV). These Cables also range in their applications, which include:

Building Wires: Used for fixed indoor installations inside conduits and within the walls. Multi-core Cables can be used to connect the power supply with large loads such as air conditioning systems. Examples include copper with PVC insulation (NYA), and copper with PVC insulation and nylon coating (THHN).

Power Cables: Used to transmit large amounts of current and voltage. They are employed in various aspects of the transmission and distribution of electricity to various loads. Example includes copper conductor covered with XLPE insulation, then assembled in a four-core manner, along with fillers and outer sheathing.

Overhead lines: They come as bare conductors and used for earthing electrical systems (when soft drawn copper is used) and in transmission/distribution of high voltage electricity (when hard drawn copper and aluminum is used) Examples comprise:

- AAC (All Aluminum Conductors) used in short spans
- AAAC (All-Aluminum-Alloy Conductors)
- ACSR (Aluminum Conductor Steel Reinforced) used in large spans
- ACAR (Aluminum Conductor, Alloy Reinforced)
- ACSR/AW (Aluminum Conductor Steel Reinforced with Aluminum Clad Steel)

The background of the entire page is a close-up, artistic photograph of several thick, braided cables. The cables are coiled and looped, creating a sense of depth and texture. The lighting is soft and directional, highlighting the individual strands of the cables. The background is out of focus, showing circular bokeh light patterns in shades of blue and purple.

Special Cables

We produce comprehensive special cables used in utilities and in Oil & Gas markets based on International standards and/or Client specifications. The product ranges in both size (0.5 mm² to 630 mm²) and voltage rating (up to 1.8/3kV).

These Cables also range in their applications, which include:

Control Cables: Used for outdoor/indoor installations for connecting signaling and control units in various industries, railways, and traffic signals. An example includes copper with two layers of PVC optional armoring.

Instrumentation Cables: These are basically control cables that can transmit sensitive signals, which cannot tolerate noise coming from other components.

Pilot Cables: Used with high voltage transmission lines to relay data signals.

Rubber Cables: A combination of robustness and flexibility makes rubber cables ideal to provide power supply to portable electrical equipment and devices.

Welding Cables: Known for its flexibility and durability, and many automatic and manual welding applications require the cable to hold up to repeated movement over rough surfaces.

Fire Resistance Cables: Provide a good system for emergency circuits where the integrity of the electric power is maintained during the fire conditions.

Solar Cables: Are manufactured based on international standards such as (BS EN 50618) and German standard (2 PfG 1169/08.2007)

LSHF Cables: Provide greater fire protection for buildings and a safer environment by reducing the smoke and the toxic gases rates in the fire accidents.



Medium, High & Extra High Voltage Cables Plant

MV, HV & EHV voltage cables are manufactured based on International Standards and/or client specifications. Our CV line - the largest in the Middle East, employs triple extrusion technique (Where three layers are added to a conductor simultaneously) to save both in time and money. This CV-line also uses dry curing technology for the XLPE to replace the older curing methods. This type of new technology uses heaters placed on the CV tube, while Nitrogen Gas is used to maintain pressure in the tube. We are the first power cable manufacturers to set up the VCV line in the middle east with Two VCV Lines are available at Rabigh Plant.

They can insulate conductors up to 3500 mm² to reach an insulation level up to 500 kV. A new CV Line was recently commissioned to increase the production capacity.

The products range both in size (35 to 3500 mm², compacted round and segmental), and in voltage rating (6 kV to 500 kV).



Copper Plant

The plant produces Copper Rods using continuous casting technique with Copper Cathodes as per ASTM B49-20 specifications. The end product is a Copper Rod with the following characteristics:

- Diameter of 8 ± 0.38 mm
- Tensile strength of 250 N/mm^2
- Elongation $\geq 40\%$
- Conductivity 100%

This plant supplies other external cable manufacturers with Copper Rods. Our Copper Rod plant capacity is around 54,000 MT per year.



Aluminum Plant

The plant produces pure Aluminum Rods using continuous casting technique and rolling advanced machine as per ASTM B49-20 specifications. The end product is an Aluminum Rod with the following characteristics:

- Diameter of 9.5 ± 0.5 mm
- Min. Conductivity 61.5%

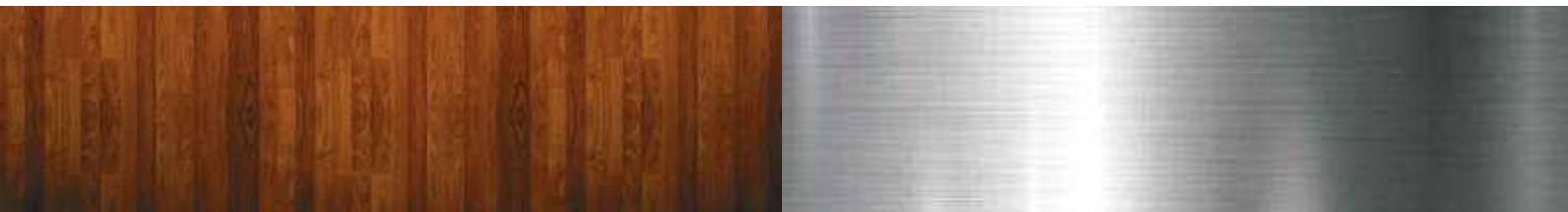
This plant supplies other external cable manufacturers with Aluminum Rods. Our Aluminum Rod plant capacity is around 108,000 MT per year.



Plastic Plant

This plant manufactures various types of PVC, XLPE, PE and HFFR compounds to be used at Jeddah Cable Company plants for insulation, bedding and sheathing, and also sold to other cable manufacturers.

Given the increasing demand on highly-qualified cables in the district, the company decided to go into a major expansion plan to gradually increase capacities, extend its product range and to firmly position itself as a key player in the W&C Industry both in Saudi Arabia as well as in the region.



Wooden & Steel Reel Plant

Jeddah Cables' Wood and Steel Reel Plant stands as a hallmark of precision and quality in the manufacturing industry.

Our state-of-the-art facility boasts cutting-edge technology and skilled craftsmanship, enabling us to produce high-performance wooden and steel cable reels of unparalleled durability and reliability. From raw material selection to finished product, every aspect of our manufacturing process is meticulously engineered. We have tremendously increased our production capacity up to 72000 drums.



Our Presence

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