

Bahra Cables Company was established in 2008 to serve Saudi & GCC Markets. It is based in Bahra industrial city located 25km from Jeddah. Bahra Cables Factory occupies over 335,000 square meters of prime manufacturing space together with associated design offices, laboratories and storage area. It specializes in Manufacturing and Distributing Electric Cables.

Bahra Cables Company is committed to the production of the best product quality and service,utilizing cutting edge European Technology in its manufacturing. The core technologies in production processes, material applications and logistic procedures were provided by German experts with key functions being managed by German engineers.

The organization has a lean vertical management structure which is designed to integrate with a highly developed IT-based structure. This partnership allows the rapid flow of information through the management chain and facilitates timely response in the best traditions of 'hands on' management. Bahra Cables Company has the flexibility to provide a versatile product range to serve the construction, electric utilities, distribution, industrial, oil & gas and petrochemical sectors. The Cables produced comply with both American standards (UL , ANSI and ICEA) and European standards (IEC, BS, NF and VDE specifications.)

The scope of this catalogue is to provide an in depth view of the technical information of the low voltage Cables 0.6/1.0kV, with PVC or XLPE insulation to IEC 60502-1 and XLPE insulation to BS 5467.

Bahra Cables Company Catalogues is about Control & Auxiliary Cables, Power and Control Tray Cables to UL 1277, Cables having low emission of smoke and corrosive gases (LSF) to IEC60502-1 or BS 6724 are available upon request.

Area:

Bahra Cables Company has a total land area of about 335,000sqm at disposal.
The built area, including offices and plant, of start up phase is more than 30,000sqm.
The factory extension under construction is more than 20,000sqm already.
The total available stock yard for storage is more than 20,000sqm

Product Scope

Bahra Cables Company is committed to deliver the highest standard wires and power Cables to the local market and for export.

Bahra Cables Company has a versatile product range cover most of our customer needs :

- Flexible Wires and Cables up to 300 mm².
- Building Wires, THHN/THWN to UL 83, with conductor sizes starting from 16 AWG.
- Building Wires to IEC 60227 and BS 6004 , from 1.5 mm² and above.
- LV Power Cables with PVC and XLPE insulation to IEC 60502-1, BS 5476 and UL 1277.
- MV Cables to IEC 60502-2 up to 18/30 (36) kV and to BS 6622 up to 19/33 (36) kV.
- Bahra Cables Company will produce Cables with low emission of smoke and corrosive gases when affected by fire, for LV& MV Cables to BS 7211, BS 6724 and BS 7835.
- HV Cables up to 69 kV to IEC 60840 , and to ANSI / ICEA S-108-720, with conductor sizes up to 1200 mm².

The future product scope will be extended to Extra High Voltage Cables up to 480 kV and conductor cross sections bigger than 2000 mm²

Machinery:

All production machines are top of the line of the Cables machinery suppliers. From start up with wire drawing lines to extrusion lines, to assembly machines up to the laboratories and the final test fields, all technical equipment is provided with the highest European Standards of electronic control equipment and measuring devices which insures that the requirements of different quality standards are met.

All machines/production lines are prepared for data communication and data exchange bottom up and top down using the most modern decentralized control software at the lines (PLC) combined with an efficient central steering and a planning system focused on the demand of cable manufacturers. This way, full traceability will be guaranteed from production start to end, by being able to follow up the machines involved and the material used.

Logistics:

All material flow in BCC from incoming raw material up to outgoing wires and power Cables will be planned and controlled by a complete software system. Herein a classical ERP system will be enhanced and completed by the state of art MES (Manufacturing Executive System) which has a unique focus on the specific problematic issues of Cables manufacturing with longitudinal products being winded up and winded off.

The MES will cover:

Planning

The planning system is active on several levels. For the proper function, all master data (material properties, dimensions, etc.) are saved and permanently maintained in the central database based on

- Cable design
- Planning of Sales Orders
- Planning of Production Orders

Data Communication

The exchange of data is important in several areas.

- Incoming inspection
- Raw Materials - Status of production orders
- Finished goods
- Shipping status