



THE FIRST CABLE MANUFACTURER IN QATAR



www.dohacables.com



## **INTRODUCTION**

DOHA CABLES QATAR, a company forged from the successful partnership between AAMAL Holding and ElSewedy Cables, that would become the first Qatari manufacturer of Cables. Started production in 2009 and officially inaugurated in 2010, Doha Cables has succeeded in establishing itself over the past decade as one of the dominant forces in the cables industry and one of the flagships to pioneer Qatari innovation, Doha Cables Qatar is taking great strides to make QATAR NATIONAL VISION 2030 a realization.

DOHA CABLES has well-equipped manufacturing facilities spread across 70,200 m2 area in the south of Qatar, at Mesaieed Community Area. It has been growing multi-dimensionally to evolve as a most advanced cable producer with latest technology and by delivering products having world class quality standards.

In a very short span, DOHA Cables with it's capable, well experienced man-power & visionary leadership, has made a leading position in Cables by offering full range upto EHV and special products suiting market needs. Doha cables has also acquired lot of internal certifications which demonstrates their capabilities at par with worldwide players.

Doha Cables can also offer additionally TURNKEY solutions for Cable Laying, Jointing, Termination, Testing, Engineering and site services.

Products for all...







INFRASTRUCTURE I OIL & GAS I POWER, TRANSMISSION & DISTRIBUTION I RAILWAYS I AIRPORT I SEAPORT I TELECOM

#### VISION

» To be one of the worldwide leaders in cables manufacturing

## MISSION

» To manufacture and market safe energy products, exceed customer expectations and positively contribute to the development of our society and environment





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## **ABOUT US**

We DOHA Cables are the first & largest cable manufacturer in State of Qatar having more than a decade experience. we are also one of largest in the region.

Doha Cables is a subsidiary of leading business conglomerate – AAMAL Group

Doha Cables has grown in leaps and bounces in a short time and achieved leading position in the county and with proven performance in terms of quality and technical capabilities.

Today we are able to offer complete range of all kinds of cables starting from Low Voltage upto Extra High Voltage (upto 220kv) along with special range of cables such as Fire Resistant, Low Smoke Halogen Free(LSHF), Wires, Earthing, Bonding and many special purpose, meeting international standards with International certification from BASEC / LPCB / IEC / KEMA / BV / BS / NFPA etc.

DOHA CABLES has been contributing to country's vision of self-sustainable economy by producing locally and delivering top class quality products.

In a short span, Doha Cables has expanded their reach to various internal markets of ASIA, CIS, Africa, GCC and still exploring.

## **COMPETENCIES**

- » Machineries from best sources to ensure speed, uniform quality and accuracy
- » Highly automated production process
- » Exclusive CCV line to produce MV and HV/EHV cables
- » Best raw materials complying to our strict internal norms
- » Each and Every meter of cable passes through various quality checks
- » Adequate testing facilities to carry out routine / Sample and complete Type tests for all types of cables as per BS / IEC / NEMA standards
- » Middle East's First Manufacturer to have NFPA testing facilities
- » High Volt Test Van for On-Site testing on High Voltage cable system
- » Exclusive Set up for Fire Rated Cables
- » In-house drum production & capability to offer various drum lengths
- » Faster delivery and services





# **QUALITY ASSURANCE**

DOHA CABLES provides products and services which meet customers' and project requirements. We are maintaining high Quality Management System that conforms to the requirements of ISO 9001 to ensure consistent high quality throughout. Within the organization, we ensure continuous improvement the Quality Management System to ensure that proper communication, work control and accountable records are generated for all stages undertaken while producing products. Doha Cables adopt four-step management control method used in business: (see diagram)

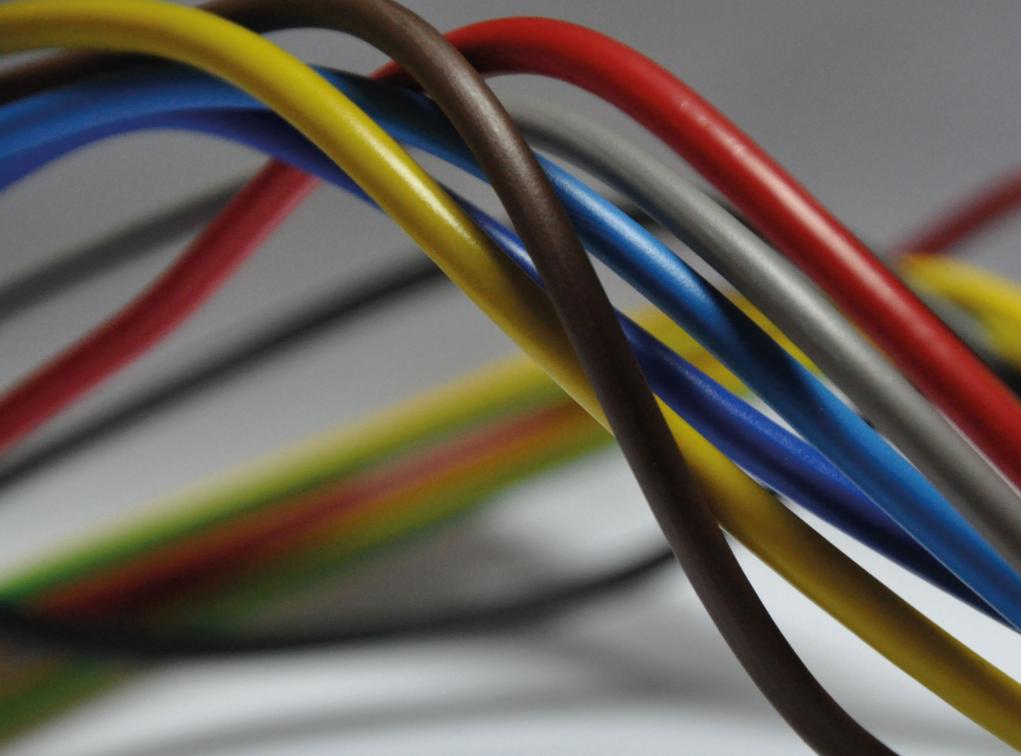
DOHA CABLES is capable to take up challenge with team of competent experts, who can deliver/meet the ever-growing market requirements and obtain several system and products approvals after passing through strict quality system. DOHA CABLES has gone through various inspection audits by international well-known third parties such as BASEC, LPCB, KEMA, BV, GL, INTERTEK, SGS, VELOSI.... etc., successfully.

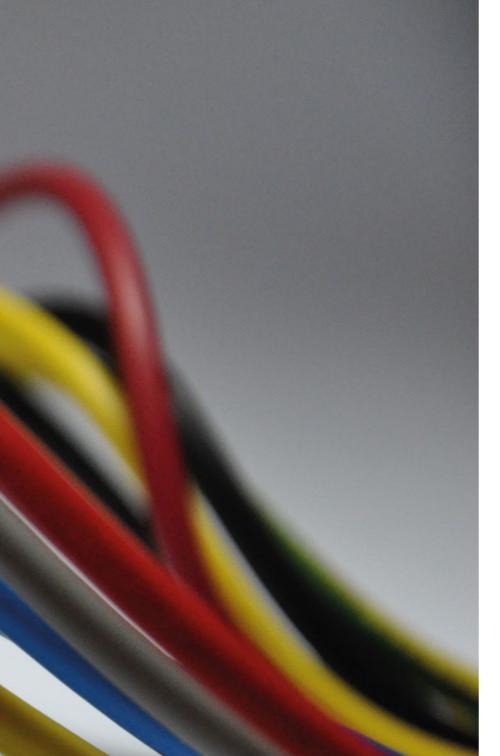
#### HEALTH, SAFETY AND THE ENVIRONMENT

DOHA CABLES is committed to the health and safety of every employee, and to maintain an incident free workplace. We continually improve our safety culture through effective and ongoing safety management, education and training. We are committed to ensure all of our activities, undertakings and operations are conducted with regard to life and the environment and we conduct our business in a sustainable manner.

Our HSE strategy is transformed into action through our ISO 14001 and ISO 45001 certified HSE management system which enables our managers and employees to think and act "green and safe".







# **PRODUCT RANGE**

Single Core / Earthing / Building Wires (PVC) Single Core / Earthing / Building Wires (LSHF) LV Power Cables (PVC) LV Power Cables (LSHF) MV Power Cables (PVC & LSHF) **HV & EHV Cables Flexible Cables** LV Control Cables **Fire Resistant Cables** » Fire Guard 100 » Fire Guard 1000 » Fire Guard 1000 Plus Single Bonding Lead Cables **Concentric Bonding Lead Cables** Special Cables for Oil, Gas & Petroleum » LV Power Cables » MV Power Cables

» Enviguard 65

\*Special cables with different criteria / design / standard / specifications can be offered upon request\*

Doha Cables 7





# Single Core Earthing Cables / Building Wires 6491X/H07V-U/R/K

#### 450/750 V CU/PVC

Single core up to 1000 mm<sup>2</sup> / Single core up to 50 mm<sup>2</sup>

Solid or Stranded Circular or Flexible Copper Conductor Class 1 or Class 2 or Class 5 respectively & Polyvinyl Chloride Insulation.

Standard: BS EN 50525-2-31 IEC 60227 BS 6004

**BASEC** Approved

# Single Core Earthing Cables / Building Wires 6491B/H07Z-U/R/K

450/750 V CU/LSHF Single core up to 1000 mm<sup>2</sup> / Single core up to 50 mm<sup>2</sup>

Solid or Stranded Circular or Flexible Copper Conductor Class 1 or Class 2 or Class 5 respectively & Low Smoke Halogen Free Insulation.

Standard: BS EN 50525-3-41 BS 7211

**BASEC** Approved

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# LV Power Cables 6941X

0.6/1 kV CU/XLPE/AWA/PVC or CU/XLPE/PVC Single core up to 1000 mm<sup>2</sup>

Stranded Circular Copper Conductor Class 2, Cross Linked Polyethylene Insulation, Polyvinyl Chloride Bedding, (with or without), Aluminium Wire Armour & Polyvinyl Chloride Outer Sheath.

Standard: IEC 60502-1 BS 5467

**BASEC Approved** 

#### LV Power Cables 6942X / 6943X / 6944X / 6945X

0.6/1 kV CU/XLPE/SWA/PVC or CU/XLPE/PVC 2,3,4,5 cores up to 500 mm<sup>2</sup>

Stranded Circular or Sector Shaped Copper Conductor Class 2, Cross Linked Polyethylene Insulation, Polyvinyl Chloride Bedding, (with or without), Galvanized Steel Wire Armour & Polyvinyl Chloride Outer Sheath.

Standard: IEC 60502-1 BS 5467

#### **BASEC Approved**

Core colours as per BS can be given





# LV Power Cables 6941B

0.6/1 kV CU/XLPE/AWA/LSHF or CU/XLPE/LSHF Single core up to 1000 mm<sup>2</sup>

Stranded Circular Copper Conductor Class 2, Cross Linked Polyethylene Insulation, Low Smoke Halogen Free Bedding, (with or without), Aluminium Wire Armour & Low Smoke Halogen Free Outer Sheath.

Standard: IEC 60502-1 BS 6724

#### LV Power Cables 6942B / 6943B / 6944B / 6945B

0.6/1 kV CU/XLPE/SWA/LSHF or CU/XLPE/LSHF 2,3,4,5 cores up to 500  $\rm mm^2$ 

Stranded Circular or Sector Shaped Copper Conductor Class 2, Cross Linked Polyethylene Insulation, Low Smoke Halogen Free Bedding, (with or without), Galvanized Steel Wire Armour & Low Smoke Halogen Free Outer Sheath.

Standard: IEC 60502-1 BS 6724

#### **BASEC Approved**

Core colours as per BS can be given





## **MV Power Cables - PVC**

3.6/6 kV up to 19/33 kV CU/XLPE/AWA/PVC Single core up to 1000 mm<sup>2</sup>

Stranded Circular Compacted Copper Conductor Class 2, Inner Semi Conductive Compound, Cross Linked Polyethylene Insulation, Outer Semi Conductive Compound, Copper Wire and/ or Copper & Tape Screen, Polyvinyl Chloride Bedding, Aluminium Wire Armour Polyvinyl Chloride Outer Sheath.

Standard: IEC 60502-2 BS 6622

(Other outer sheath like MDPE / HDPE can be offered upon request)

### **MV Power Cables - PVC**

3.6/6 kV up to 19/33 kV CU/XLPE/SWA/PVC 3 cores up to 400 mm<sup>2</sup>

Stranded Circular Compacted Copper Conductor Class 2, Inner Semi Conductive Compound, Cross Linked Polyethylene Insulation, Outer Semi Conductive Compound, Copper Wire and/or Copper Tape Screen, Non-Hygroscopic Filler and Tape, Polyvinyl Chloride Bedding, Galvanized Steel Wire Armour & Polyvinyl Chloride Outer Sheath.

Standard: EC 60502-2 BS 6622

(Other outer sheath like MDPE / HDPE can be offered upon request)

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### **MV Power Cables - LSHF**

3.6/6 kV up to 19/33 kV CU/XLPE/SWA/LSHF 3 cores up to 400 mm<sup>2</sup>

Stranded Circular Compacted Copper Conductor Class 2, Inner Semi Conductive Compound, Cross Linked Polyethylene Insulation, Outer Semi Conductive Compound, Copper Wire and/or Copper Tape Screen, Non-Hygroscopic Filler and Tape, Low Smoke Halogen Free, Galvanized Steel Wire Armour & Low Smoke Halogen Free Outer Sheath.

Standard: IEC 60502-2

## **HV & EHV Power Cables**

38/66 kV up to 127/220 kV CU/XLPE/CWA/LEADHDPE Single core up to 2500 mm<sup>2</sup>

Stranded Circular Compacted or Segmental (Milliken)Copper Conductor Class 2, Inner Semi Conductive Compound, Cross Linked Polyethylene Insulation, Outer Semi Conductive Compound, Copper Wire and Copper Tape Screen, and/or Lead Sheath & High Density Polyethylene Sheath with Graphite Coating.

Standard: IEC 60840 IEC 62067



Flexible Cables 3182/3/4/5 Y (circular) / H05VV-F 2/3/4/5 3092/3/4/5 Y (circular) / H05V2V2-F 2/3/4/5

300/500 V CU/PVC/PVC (70 or 90 degrees) 2,3,4,5 cores up to 25mm<sup>2</sup>

Flexible Stranded Copper Conductor Class 5, Polyvinyl Chloride Insulation & Polyvinyl Chloride Sheath.

Standard: BS EN 50525-2-11 IEC 60227 BS6004 BS6500



LV Control Cables 6947X, 6940/12X, 6940/19X, 6940/27X, 6940/37X

0.6/1 kV CU/XLPE/SWA/PVC 2 cores up to 61 cores up to 6 mm<sup>2</sup>

Solid or Stranded Copper Conductor Class 1 and Class 2 respectively, Cross Linked Polyethylene Insulation, Polyvinyl Chloride Bedding, Galvanized Steel Wire Armour & Polyvinyl Chloride Outer Sheath.

Standard: IEC 60502-1 BS 5467





# Fire Resistant Wires & Earthing Cables (Fire Guard 100)

450/750 V or 0.6/1 kV CU/MICA/LSHF or CU/MICA/XLPE/LSHF Single core up to 1000  $\rm mm^2$ 

Solid or Stranded Copper Conductor Class 1 and Class 2 respectively, Mica Glass Tape, Cross Linked Polyethylene Insulation-Optional, Low Smoke Halogen Free Outer Sheath with Flame Retardant Property.

Standard: IEC 60502-1 BS 8592 IEC 60331 BS 6387 BS EN 50525-3-41

#### **BASEC & LPCB Approved**

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#### Fire Resistant LV Power Cables (Fire Guard 1000 & Fire Guard 1000 Plus)

0.6/1 kV CU/MICA/XLPE/AWA(SWA)/LSHF 1,2,3,4,5 cores up to 400 mm<sup>2</sup>

Stranded Circular or Sector Shaped Copper Conductor Class 2, Mica Glass Tape, Cross Linked Polyethylene Insulation, Low Smoke Halogen Free Bedding, Aluminium Wire Armour for Single Core Cables or Galvanized Steel Wire Armour for Multicore Cables & Low Smoke Halogen Free Outer Sheath.

Standard: IEC 60502-1 IEC 60331 BS 6387 BS 7846 - F2, F120 BS 8491 / 8519

#### **BASEC & LPCB Approved**

Core colours as per BS can be offered





### **Single Bonding Lead Cables**

3.6/6 kV up to 8.7/15 kV CU/XLPE/HDPE Single core up to 500 mm<sup>2</sup>

Stranded Circular Compacted Copper Conductor Class 2, Inner Semi Conductive Compound, Cross Linked Polyethylene Insulation, Outer Semi Conductive Compound, HDPE as an Outer Sheath with Graphite Coating Layer.

Standard: IEC 60502-2 BS 6622

### **Concentric Bonding Lead Cables**

3.6/6 kV up to 8.7/15 kV CU/XLPE/CW/HDPE Single core up to 500 mm<sup>2</sup>

Inner Conductor consist Stranded Circular Compacted Copper Conductor Class 2, Inner Semi Conductive Compound, Cross Linked Polyethylene Insulation, Outer Semi Conductive Compound, Outer Conductor consist of Annealed Copper Wires applied over the Inner Insulation in a layer or two to maintain same CSA of inner conductor and HDPE as an Outer Sheath with Graphite Coating Layer.

Standard: IEC 60502-2 BS 6622

## **Oil, Gas & Petroleum Sector**





### **LV Power Cables**

0.6/1 kV CU/XLPE/AWA/PVC (FRLS) Single Core up to 1000 mm<sup>2</sup>

Stranded Circular Copper Conductor Class 2, Cross Linked Polyethylene Insulation, Polyvinyl Chloride Bedding, Aluminium Wire Armour & Polyvinyl Chloride Outer Sheath.

**Outer Sheath**: Polyvinyl Chloride with Special Characteristics to meet sever Harsh conditions eg.: Low Smoke Property, Limited Acidic Gas Emission, Flame Retardant according to IEC 60332-3-22 Cat A, Hydrocarbon, Moisture, Oil and Anti-Termite Resistant etc.

Standard: IEC 60502-1 BS 5467

## **LV Power Cables**

0.6/1 kV CU/XLPE/SWA/PVC (FRLS) 2,3,4,5 cores up to 500 mm<sup>2</sup>

Stranded Circular or Sector Shaped Copper Conductor Class 2, Cross Linked Polyethylene Insulation, Polyvinyl Chloride Bedding, Galvanized Steel Wire Armour & Polyvinyl Chloride Outer Sheath.

**Outer Sheath**: Polyvinyl Chloride with Special Characteristics to meet sever Harsh conditions eg.: Low Smoke Property, Limited Acidic Gas Emission, Flame Retardant according to IEC 60332-3-22 Cat A, Hydrocarbon, Moisture, Oil and Anti-Termite Resistant etc.

Standard: IEC 60502-1 BS 5467





#### **MV Power Cables**

3.6/6 kV up to 19/33 kV CU/XLPE/AWA/PVC (FRLS) Single Core up to 1000 mm<sup>2</sup>

Stranded Circular Compacted Copper Conductor Class 2, Inner Semi Conductive Compound, Cross Linked Polyethylene Insulation, Outer Semi Conductive Compound, Copper Wire and/ or Copper & Tape Screen, Polyvinyl Chloride Bedding, Aluminium Wire Armour & Polyvinyl Chloride Outer Sheath.

**Outer Sheath**: Polyvinyl Chloride with Special Characteristics to meet sever Harsh conditions eg.: Low Smoke Property, Limited Acidic Gas Emission, Flame Retardant according to IEC 60332-3-22 Cat A, Hydrocarbon, Moisture, Oil and Anti-Termite Resistant etc.

Standard: IEC 60502-2 BS 6622

#### **MV Power Cables**

3.6/6 kV up to 19/33 kV CU/XLPE/SWA/PVC (FRLS) 3 cores up to 400 mm<sup>2</sup>

Stranded Circular Compacted Copper Conductor Class 2, Inner Semi Conductive Compound, Cross Linked Polyethylene Insulation, Outer Semi Conductive Compound, Copper Wire and/or Copper Tape Screen, Non-Hygroscopic Filler and Tape, Polyvinyl Chloride Bedding, Galvanized Steel Wire Armour & Polyvinyl Chloride Outer Sheath.

**Outer Sheath**: Polyvinyl Chloride with Special characteristics to meet sever Harsh conditions eg.: Low Smoke Property, Limited Acidic Gas Emission, Flame Retardant according to IEC 60332-3-22 Cat A, Hydrocarbon, Moisture, Oil and Anti-Termite Resistant etc.

Standard: IEC 60502-2 BS 6622



## **Enviguard 65®**

Instrumentation Cables, Control Cables and Power Cables up to 19/33 kV

ENVIGUARD 65<sup>®</sup> cables is the best in class solution for oil & gas and hazardous chemical environments.

The development of "ENVIGUARD 65 ®" product range, shows Doha Cables commitment towards social and sustainable development for the future as well as supporting the global green agenda.

With the compact design of ENVIGUARD 65 ®, this special cable is the best replacement for the lead sheath cable where earth fault conducting is not required.

As an alternative for lead sheath cables, "ENVIGUARD 65 ®" protects the cables insulation from the aggressive salts, moistures, sulphides, hydrocarbons, acids, alkynes & corrosions, and contribute to a cleaner environment by preventing lead exposure and lead emissions into the surroundings.

## QUALITY MANAGEMENT SYSTEM, BASEC PRODUCT CERTIFICATION REQUIREMENTS, ENVIRONMENTAL MANAGEMENT SYSTEM AND OCCUPATIONAL HEALTH AND SAFETY ASSESSMENT SYSTEM CERTIFICATES



# **BASEC PRODUCT CERTIFICATES**







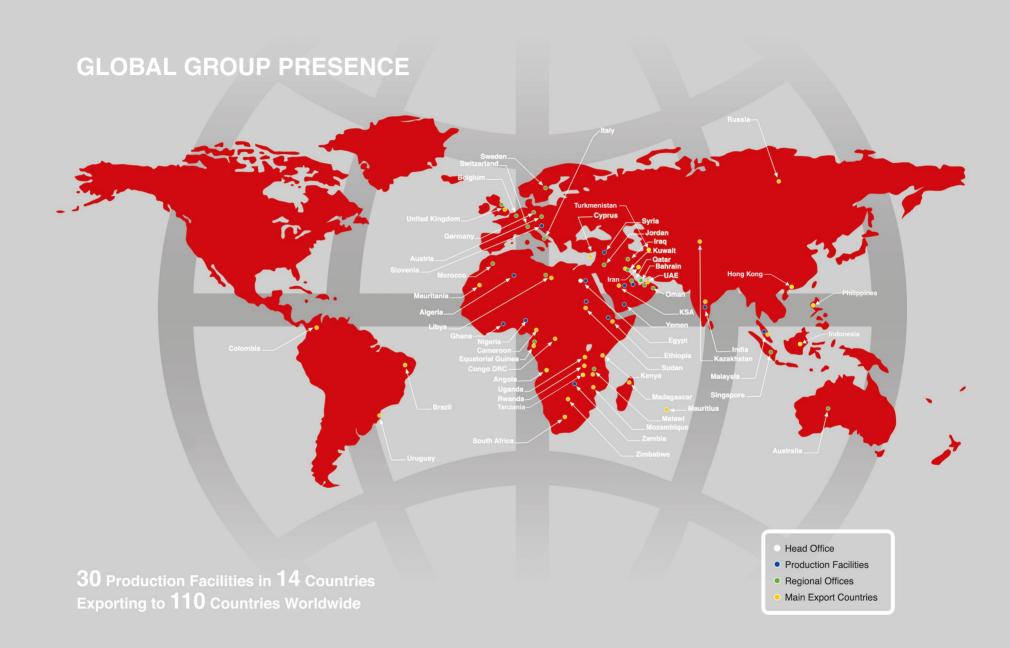
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# LPCB CERTIFICATES













Office: 10th Floor, Barwa Tower 1, Al Sadd, C-ring road. PO. Box: 22487 Doha, Qatar Factory: MIC Community Area, Mesaieed, Qatar Tel.: (+974) 4033 9502 / 03 Fax: (+974) 4455 3049 Email: info@dohacables.com Website: www.dohacables.com

