



Company Profile



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1. INTRODUCTION

a. ABOUT THE GROUP

Energyya Industries is a multi-disciplined business group with diversified business operations in:

1- Manufacturing.

2- Distribution.

3- Turnkey projects in electromechanical and telecommunications field.

Energyya Industries is one of the biggest players in the electricity business in the Middle East and Africa with operations in Egypt, Algeria, Libya, Sudan, Saudi Arabia, UAE, Qatar, Bahrain, Lebanon, and Pakistan.

b. BUSINESS DIVISION



Energya Cables Saudi Arabia, <http://www.cables.energya.com> producers of Electrical Wires & Power cables up to 36 KV.

Our range of cable products includes low voltage with copper or aluminum conductor, PVC or XLPE insulated, steel tape or steel wire armored, PVC or PE sheathed. In addition, we manufacture overhead lines and Control/Instrumentation cables. Moreover, we produce medium voltage cables up to 36 kV and Fire Resistant/LSHF Cables with high tech manufacturing equipment and testing.

Facing the current engineering as well as the market challenges, we **Energya Cables/wires** strongly believe that we are absolutely qualified and ready to supply our full product range in addition to your demands with high degree of Excellency and perfection.

We will be more than happy to assist you with your enquiries / requirements for the supply of quality Power Cables & Wires. Also, should you need any further information regarding the scope of our high tech processed products, and then please do not hesitate to contact us at your convenience.

Finally, it's worth to mention that in all of our growing areas of activity, we believe that you will find **Energya Cables** as your trust worthy partner.

Energya Cables are manufactured based on International Standards such as IEC, BS and UL. **Energya Cables** also capable of manufacturing according to clients requirements and needs.

2. COMPANY BACKGROUND

Energya Cables Saudi Arabia 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.

In each of its diverse products, **Energya Cables Saudi Arabia** 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 UL, IEC, and BS in addition to customer requirements.

At **Energya Cables Saudi Arabia** 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.

We aim to continuously improve our services to our clients, exceed our customer's expectation, create value for stakeholders, provide a great place to work for our employees and serve the communities in which we operate. Our objective is to become the first choice cable supplier, globally.

We are the best partner to our customers in development and growth. We also endeavor to create value for everyone who does business with us.

3. ENERGYA CABLES COMPANY IN BRIEF

<u>Company Name:</u>	Energya Cables Saudi Arabia
<u>Postal Address:</u>	P.O. Box 31248, Jeddah 21497 Kingdom of Saudi Arabia
<u>Phone:</u>	+966 2 6360770 +966 2 6380881 +966 2 6372299
<u>Fax:</u>	+966 2 6364695 +966 2 6350909 +966 2 6354754
<u>E-mail Address:</u>	info@cables.energya.com
<u>Website:</u>	www.cables.energya.com
<u>Firm Classification:</u>	Limited Liability Company
<u>Industrial License Number:</u>	532/S
<u>Commercial Registration Number:</u>	4030184194
<u>Date of company foundation:</u>	April 2008

<u>Paid Up Capital:</u>	SR 65,250,000.00
<u>Bank Reference:</u>	Saudi British Bank (SABB)
<u>Total Factory Area:</u>	115,350 m ²
<u>Number of Employees:</u>	1200 Persons

4. MANUFACTURING PLANT

Energya Cables Saudi Arabia was established in 2008 as a startup plant in Building wires, currently our Manufacturing facilities produce a full range of Power cables Up to 36 KV, These plants running under the certification of ISO 9001: 2008, which assures quality management and products.



Energya Cables Saudi Arabia is a new brand that has benefited from the extensive, deep rooted experience of its parent company which is Jeddah Cable Company.

Since its inception the company has invested heavily in the Kingdom, in order to establish the most cutting edge and best-engineered complex attainable. The SR65 Million investment will enable the manufacturing and provision of wires and cables with highest quality.

Moreover, the huge industrial complex places **Energya Cables Factory** as the largest and most modernized complex globally. The fully automated manufacturing operations produce all categories of indoor wires & Power Cables, it also houses the first plastics compounding facilities capable of producing pure grade polyethylene cross-linkable for the insulation of Medium voltage cables, in addition to plants capable of compounding semi conductive polyethylene, polyethylene cross-linkable for low voltage insulation capacities as well as low smoke, fire retardant and halogen free compounds and finally PVC compounds all for the cable industry.

Energyya Cables Saudi Arabia Manufactures under license from **Furukawa Electric Company** of Japan, A Global leader in the manufacture of High Voltage Energy Cable.

Energyya Cables Factories are located in Jeddah & Rabigh Industrial Area, where Energyya Cables/Wires & Energyya Plastic Located in Rabigh which is almost 140 Km away from Jeddah.



5. OFFICES

Energya Cables Saudi Arabia has a number of offices that are strategically located within the Saudi Arabia to deal with clients within their zone of influence. These offices are equipped with the latest services to ensure optimum client satisfaction. They are manned by highly qualified personnel that liaise directly with the company headquarters.

Branch	Office Address	Contact Person
Headquarter	Energya Cables Saudi Arabia Jeddah. Industrial City Phase III P.O.BOX. 31248 Jeddah 21497. KSA Mob. +966 54 2525 425 Tel. +966 2 636 0770 (Ext. 2300) Fax. +966 2 636 4695 Email. mchmaitilli@cables.energya.com	Mohamad Eid Chmaitilli Sr. Manager Marketing
Headquarter	Energya Cables Saudi Arabia Jeddah. Industrial City Phase III P.O.BOX. 31248 Jeddah 21497. KSA Mob. +966 507798769 Tel. +966 2 636 0770 (Ext 2301) Fax. +966 2 636 4695 Email. fhalawani@cables.energya.com	Farouk Halawani Product Manager
Jeddah	Energya Cables Saudi Arabia Jeddah- Ring Road-KSA Mob. +966 56 6371767 +966 561133334 Email. aqaisey@cables.energya.com	Mohammed Abdu Al-Qaisy Area Sales Manager-Jeddah
Riyadh	Energya Cables Saudi Arabia Riyadh-Malaz District –KSA Mob: +966 5 42525125 Tel: +966 14731219 Email. madheiby@cables.energya.com	Maher El Dheiby Area Sales Manager-Riyadh

6. WAREHOUSES

Energya Cables Saudi Arabia has a number of warehouses in the vicinity of our local & regional offices. These warehouses remain fully stocked at all times to meet local demand on short notice. The warehouses are well ventilated, fully staffed, and subjected to rigorous inspections.

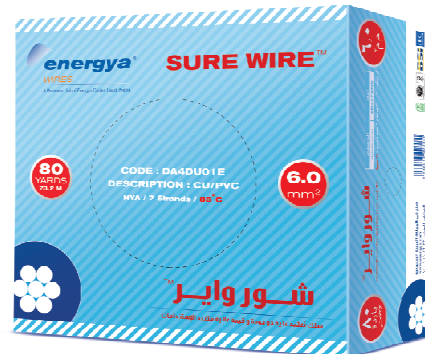
	Warehouse	Location	Number of Employees	Size (m ²)	Capacity
Finished Goods	Main Warehouse	Rabigh-Saudi Arabia Yenbou Highway Exit 927,Industrial zone Aramco Road	20	3000 m ²	700 Pallets
	Riyadh	Riyadh-Hair Road, behind the warehouses Gosaibi. No. 81/97	15	1800 m ²	230 Pallets
	Jeddah	Jeddah-Palestine Street, heading to the old Sheep Market, AL Nakheel District east of the Makkah High Way. No.106	13	1500 m ²	168 Pallets
	Madinah		6	1000 m ²	110 Pallets
	khamis Mushait		5	1000 m ²	110 Pallets

7. ENERGYA CABLES PRODUCTS



- ✓ **THHN/THWN (EASY PULL):** Thermo Plastic heat resistant Nylon Jacket/Thermoplastic High Water-resistant Nylon (Use for wet Locations)
- ✓ **NYA (SURE WIRE):** CU/PVC (single Core)
- ✓ **NYA (S) (SAFE WIRE):** CU/LSHF (low Smoke Halogen Free)
- ✓ **NYA (S) (POWER SURE):** CU/HFFR (Halogen free flame retardant)

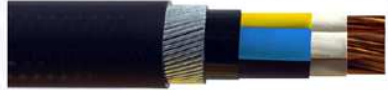



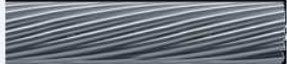

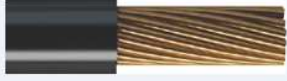
- ✓ **NYY: CU/PVC/PVC, CU/XLPE/PVC (Multi Cores)**
- ✓ **Flexible Cables (FLEX WIRE):** Single CU/PVC & Multi-cores CU/PVC/PVC
- ✓ **Flat Wires (FLAT WIRE):** CU/PVC/PVC, 2 & 3 Cores.
- ✓ **Low Voltage Cables & Control Cables** (Armored AWA, STA, and SWA; None Armored, Copper Screened Tape or wire): PVC or XLPE Insulation, Up to 1 KV.
- ✓ **Medium Voltage Cables** (from 3.6/6 (7.2) KV up to 18/30 (36) KV) Our XLPE leading type of medium voltage cables are custom designed to meet the highest performance standards. All cables are empowered with nonmetallic and metallic shields, water sealing capabilities and water treeing retardant characteristics.
- ✓ **LSHF & Fire Resistant Cables** (Armored & Non Armored) Up to 1 KV Used for wiring and interconnection where it is required to maintain circuit integrity under fire conditions for longer periods than can be achieved with cables of conventional construction.
- ✓ **Instrumentation & Pilot Cables** (Armored & Non Armored) Single & Multi pairs with Screened layer, Pilot cables are used for control, protection, signaling, telecommunications and data transmission purposes associated with power distribution and transmission systems.
- ✓ **Overhead lines & Grounding Cables** (AAC,AAAC,ACSR,ACAR & ACSR/AW) 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).





8. PRODUCT CLASSIFICATION

Our wide range of quality **Power Cables** with capacities less than 36 kV provide safe and efficient energy links for Indoor & Outdoor Installation. They are renowned for their protective coatings, new materials, flexibility, color coding, and multipurpose use. All the cables can be jacketed with either PVC or LSHF.

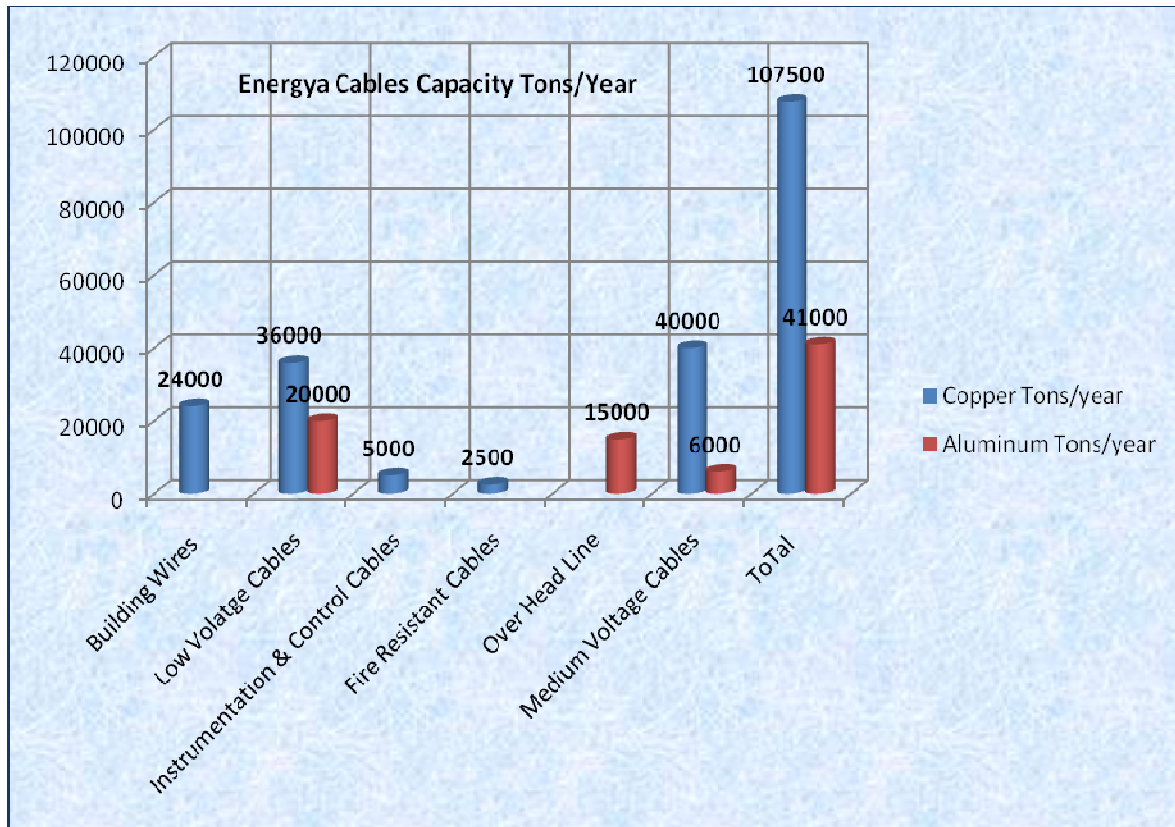
Product	Type	Description	Product picture
Building wires	NYA	Single core , CU/PVC or LSHF	
Building wires	THHN	Single core , CU/PVC/ Nylon Sizes : 18 AWG -8 AWG	
Building wires	Flat	Twin & three core, CU/PVC/PVC Up to 16 mm ²	
Building wires	Flexible	Single & Multi Core , CU /PVC or CU/PVC/PVC	
Instrumentation & Pilot Cables	Armored & Non Armored	Multi core (solid Or Annealed Cu), Insulation: XLPE, Screen : AL-Myler Screen Tape with Tinned drain Copper 0.5 mm or Cu Tape , Sheath : PVC or LSHF; Sizes : 0.5 mm ² -6 mm ² Pairs : 1 to 52	
Control Cables	With copper Screen wires or copper Tape	Multi Core, Insulation: PVC or XLPE ,Sheath : PVC or LSHF Up to 37 cores	

Product	Type	Description	Product picture
Fire Resistant Cables	Armored & Non Armored	Conductor : Copper , Dual Insulation : Mica Glass – XLPE, Bedding: LSHF, Sheath: LSHF	
Low Voltage	Non Armored or AWA	Single Core ,Insulation: PVC or XLPE , Sheath : PVC or LSHF	
Low Voltage	Non Armored	Multi core, Insulation: PVC or XLPE, Sheath : PVC or LSHF	
Low Voltage	SWA or STA	Multi core, Insulation: PVC or XLPE, Sheath : PVC or LSHF	
Overhead Lines	Bare CU, AAC & AAAC	Hard drawn & Soft Annealed	
Overhead Lines	ACSR, ACAR & ACSR/AW	Al Conductor	
Overhead Lines	CU or AL	Insulation : PVC	

Product	Type	Description	Product picture
Medium Voltage	CU or AL	Single core, Insulation: ISC/XLPE or TR-XLPE/OSC, Non Armored or AWA , Sheath : PVC or PE	
Medium Voltage	CU or AL	Multi cores, Insulation: ISC,XLPE or TR-XLPE,OSC, Non Armored, STA or SWA , Sheath : PVC or PE	

9. ENERGYA CABLES FACILITIES CAPACITY

Our plant Capacity is continuously improved by installing state of the art machines and expanding our facilities.

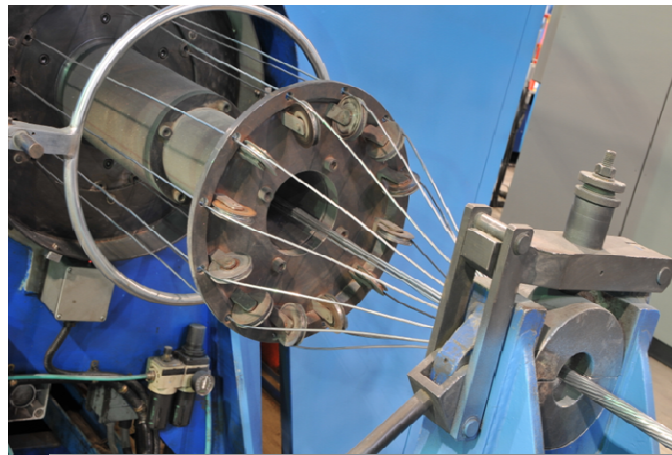


10. MATERIAL USED

CONDUCTOR:

Power cables conductors are usually of copper or aluminum material. Selection of conductor material may depend on different factors such as load current, conductor weight, and cables accessories sizes.

The resistivity of copper is less than the resistivity of aluminum. This implies that the conductivity of copper is almost double the conductivity of aluminum.



All building wire conductors are composed of Copper, where the copper having high conductivity and greater flexibility after annealing, can be drawn to small sizes and bunched for excellent flexibility, Easier to make terminations & joints.



Properties of Copper & Aluminum:

Property	Unit	Material	
		Copper	Aluminum
Electrical Resistivity at 20°C	$\Omega.m$	1.724×10^{-8}	2.826×10^{-8}
Temperature Coefficient of Resistance per °C		0.00393	0.00403
Density at 20°C	Kg/m^3	8890	2703
Melting Point	°C	1083	659
Ultimate Tensile Strength			
Soft Temper	MN/m^2	225	70-90
Hard Temper		385	125-205
Elastic Modulus	MN/m^2	26	14
Coefficient of Thermal Expansion per °C		17×10^{-6}	23×10^{-6}
Thermal Conductivity	$W/cm.^{\circ}C$	3.8	2.4

INSULATION:

The main purpose of the insulation layers is to prevent conductors from direct contact with each other, and to protect the user from electric shock.

Insulation materials for Power cables are Polyvinyl Chloride 'PVC', Cross-Lined Polyethylene 'XLPE', Polyethylene 'PE', Ethylene Propylene Rubber 'EPR'. However the commonly used insulation materials are PVC and XLPE.

PVC:

Polyvinyl Chloride 'PVC' serves every market where wire and cable is used. When there is a concern about public health, low smoke and fume (LSF) insulation material is used. This material is also known as low smoke Halogen free (LSHF).



PVC Granules

PVC Polyvinyl chloride ($-\text{H}_2\text{CCHCL}-$)_n intended for electric insulation, is known as a thermoplastic material. This means that the material from changes with increasing temperature and the material can be remelted. PVC as in insulation material is commonly used for building wires & Cables; however PVC for bedding or sheathing material it may be used for different voltage range cables (i.e. low voltage and medium voltage cables). The normal operating temperature range of PVC insulation material is between 70-105 °C, and the emergency operating temperature during short-circuit conditions is 160 °C.



The general properties of PVC which added to its widespread use as wire and cable materials are:

- Flame resistance
- Light in color so that bright colors can be used
- Easy processing by extrusion
- Resistance to oils
- Low cost making large scale use feasible
- Good moisture resistance and retention of electrical properties

Maximum Conductor Temperature of PVC/A Insulation Material as per IEC 60502-1

Insulating Compound	Maximum Conductor Temperature °C	
	Normal Operation	Short-Circuit Conditions (5 sec Maximum Duration)
Polyvinyl Chloride (PVC/A) Conductor Cross-Section $\leq 300 \text{ mm}^2$	70	160
Conductor Cross-Section $> 300 \text{ mm}^2$	70	140

XLPE:

Cross-Linked Polyethylene 'XLPE' is a thermoset material; in which this material is incapable of being melted by means of cross-linking. XLPE is produced by compounding of LDPE with a cross-linking agent such as dicumyl peroxide. Polyethylene consists of long carbon hydrogen chains $(\text{CH}_2\text{-CH}_2)_n$. The CH_2 chains are connected to each other 'cross-linked' through a curing process known as vulcanization to form a material 'XLPE' which is similar to Polyethylene in electrical properties, but with better mechanical properties, especially at higher temperatures.



XLPE Granules

Polyethylene is a thermoplastic material where its maximum operating temperature at normal conditions is 70°C . By cross-linking the CH_2 of PE the maximum operation temperature at normal conditions is substantially increased. The maximum operating temperature of XLPE at normal conditions is 90°C , while the maximum operating temperature at short circuit conditions is

250°C; the most important advantage of XLPE over PE is its enhanced heat resistance.

Maximum Conductor Temperature of XLPE Insulation Material as per IEC 60502-1

Insulating Compound	Maximum Conductor Temperature °C	
	Normal Operation	Short-Circuit Conditions (5 sec Maximum Duration)
Cross-Linked Polyethylene (XLPE)	90	250

SCREEN TAPE OR WIRES :

In case of Medium Voltage cables or as required for others cables, screen are usually either of copper wires or copper tape. In case of copper wires, the wires are spun around the previous (i.e. insulation) layer, than a copper tape is wrapped around the wires with a big gap percentage and is usually known as 'Copper Open Helix Tape'. The purpose of this tape is to hold the wires together and have electrical continuity between all the wires as not all wires may be touching each other. The other type of screen are copper tape screen in which the copper tape is wrapped around the previous (i.e. insulation) layer with an overlap percentage.



Copper Wires Screen with Open Helix Copper Tape



Copper Tape Screen with Overlap

FILLERS

Non-Hygroscopic fillers of polypropylene material are used. The purpose of the fillers is to fill in the spaces between the phases to give the cable round shape. This type of material is required to have a high breaking load so that it does not cut when used with heavy duty machinery known as 'drum twisters' that are used for core assembly. The breaking load of polypropylene fillers is 4.8 KN approximately.



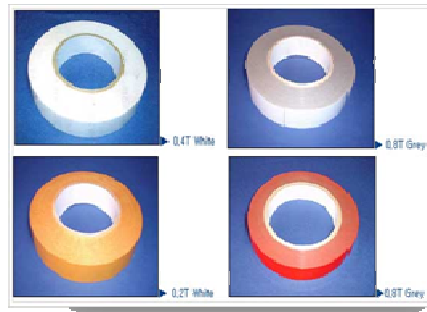
Filler Material Used in Core Assembly Process

BINDER TAPE

The binder tape used in the core assembly process is either polyester tape known as Mylar Tape or propylene tape. An advantage of polypropylene tape over polyester tape is the breaking load.



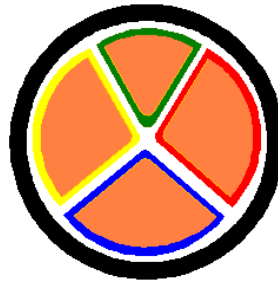
Assembly Machine



Binder Tape

BEDDING:

Bedding compounds make cables round for easier pulling by installers. In addition, by protecting the laid-up cores, available in a variety of densities and polymer bases.



Materials: PVC, LDPE or LSHF



Bedding Machine

ARMORING:

We use Aluminum wires or tape for single core cables. The reason behind using Aluminum for single core cables is that Aluminum non-magnetic material (i.e. non permeable material) in which currents will be prevented from being induced in the aluminum armor. In addition the magnetic field lines emanating from the center of the conductor passing current will be blocked. Induced current in the armor will cause unwanted heat losses which will affect the current rating of the cable. However, steel wires or tape armor is used for multi-core cables since the magnetic fields emanating from each conductor cancel each other due the arrangement of the phases. This implies no induced current will flow in the steel armor; in result, no heat losses occur.

In comparison between armor wires and armor tape, armor tape is more cost effective since it is easier and faster to process. The setup time armor tape machinery is much more less than armor wire machinery. As for performance, it has been noticeable that in an effort to hammer a nail in cable with armor wires and armor tape, the nail would penetrate in the armor wires easily due to round shape of the wires. In addition a nail could penetrate easily between two wires next to each other. However, it would be more difficult to get that nail through the armor tape since it covers the whole cable surface



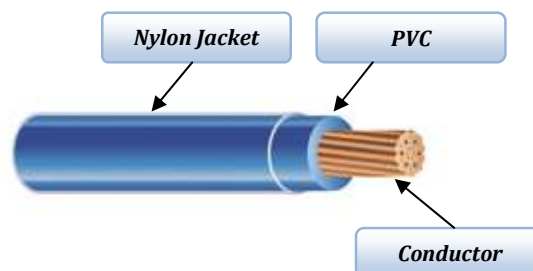
Wire Armoring Machine

SHEATHING:

Sheathing is the visible part of the cable that is extruded over the previous layer (e.g. armoring, or assembly). Sheathing provides the primary source of protection (even in the presence of armor). Jacketing compounds are used in a whole host of cable applications such as flexible cords, power cables, control cables, and shipboard cables. The sheath also contains the cable identification, i.e.: embossing of the manufacturer name, cable type, cable voltage, and other descriptions.

Sheath material can be of extruded PVC, LLDPE, LDPE, MDPE, LMDPE, HDPE or LSHF materials with color (depending on the customer requests).

NB: Flame retardant, ozone & ultraviolet ray retardant, petrol oils retardant, termite retardant available options.



رقم الصادر : ١١٦٠٦
التاريخ : ١٠ جمادى الأولى ١٤٣١

ترخيص صناعي
رقم : (٥٣٢ / ص) بتاريخ : ٠٨ - ٠٦ - ١٤٣١ هـ
مدة الترخيص : ثلاث سنوات

المملكة العربية السعودية
وزارة التجارة والصناعة
وكالة الوزارة لشؤون الصناعة

كود المنتج : ٣١١٢٦٣
الكيان القانوني : شركة ذات مسؤولية محدودة

رقم السجل التجاري : ٤٠٣٠١٨٤١٩٤
٢١٦٥٨٨٦
٢١٦٥٨٨٣
٢١٤٢٢
٤٠٠ (ربيعة فردا)
القوى العاملة :

الموقع : ربيع
الجنسية : السعودية
الحصة من رأس المال : ١٠٠,٠٠٠ %
الرمز البريدي : ٢١٤٢٢

إسم المنشأة : مصنع شركة اسلاك الطاقة للاسلاك الكهربائي
مكتبة المنشأة : شركة صناعة اسلاك الطاقة المحدودة
عنوان المنشأة (ص ب) : ٥٠٩٨
إجمالي التمويل : ٢٦١ (مائتان و واحد و ستون مليون ريال والمفروح منه لا يقل عن ٢٥ %)
المنتجات :

الوحدة رمز المنتج وصف المنتج	الطاقه الإنتاجيه	الوحدة رمز المنتج وصف المنتج	الطاقه الإنتاجيه
طن ٨٥٤٤١٠٩٠ وكيلات كهربائية سلكة بالبولين	٣٣٧٩٠ ثلاثة و مئتان ألف و سيمائة و تسعون	طن ٨٥٤٤١٠٠ وكيلات كهربائية سلكة	٥٤٦٠ خمسة آلاف و اربعمائة و ستون
طن ٨٥٤٤١٠٩٠ وكيلات كهربائية سلكة	٩٧٥٠ تسعة آلاف و سيمائة و خمسون		

وزير التجارة و الصناعة
عبد الله بن أحمد زويل على رضا

التعليقات الموجودة خلف هذا القرار مكملة لهـ.

30

12. ZAKAT CERTIFICATE

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

المملكة العربية السعودية
وزارة المالية
مصلحة الزكاة والدخل



(١٨٥)

نموذج (ش/٢)

رقم الملف : ٢٤٥٦٦٠١٠٧

رقم الشهادة : ٢٦٦٩

الرقم المالي : ١٠٢٨٩٦٧١٥

التاريخ : ١١ / ٠٧ / ١٤٣٢

شهادة مقيدة

(غير صالحة لصرف الأقساط النهائية)

تشهد مصلحة الزكاة والدخل بأن المكلف / شركة صناعات اسلاك الطاقة المحدودة .
سجل مدني رقم (لا يوجد) و سجل تجاري رئيس رقم ٤٦٥٠٠٤٢٩٠٦
قدم إقراره عن الفترة المنتهية في ٢٠١٠/١٢/٣٠ م .
وقد منح هذه الشهادة لتمكينه من إنهاء جميع معاملاته ما عدا صرف مستحقاته النهائية
عن العقود .
يسري مفعول هذه الشهادة حتى تاريخ ١٤٣٣/٠٦/٠٩ هـ الموافق ٢٠١٢/٠٤/٣٠ م .
(اليوم التاسع من شهر جمادى الآخرة سنة ألف و اربعمائة وثلاثة وثلاثون هجري)
وفروعه الموضحة أدناه :-

رقم السجل/ الرخص	اسم الفرع	المدينة
٤٠٣٠١٨٤١٩٤	فرع شركة صناعة أسلاك الطاقة المحدودة	جدة

الوظيفة : مدير عام فرع المصلحة بالمدينة المنورة

الإسم : عبدالرحمن بن عوض الرحيلي

التوقيع : 

الختم الرسمي



بسم الله الرحمن الرحيم

المملكة العربية السعودية
وزارة الداخلية
مصلحة الزكاة والدخل



نموذج (ش/٢)

رقم الشهادة : ٢٦٦٨

رقم الملف : ٢٤٥٦٧٠١٠٧

التاريخ : ١١ / ٠٧ / ١٤٣٢

الرقم المالي : ١٠٢٩٤١٠١٣

شهادة مقيدة

(غير صالحة لصرف الأقساط النهائية)

تشهد مصلحة الزكاة والدخل بأن المكلف / شركة خدمات صناعة الطاقة المحدود.

سجل مدني رقم (لايوجد) و سجل تجاري رئيس رقم ٤٦٥٠٠٤٣٤٣٨

قدم إقراره عن الفترة المنتهية في ٢٠١٠/١٢/٣١ م .

وقد منح هذه الشهادة لتمكينه من إنهاء جميع معاملاته ما عدا صرف مستحقاته النهائية عن العقود .

يسري مفعول هذه الشهادة حتى تاريخ ١٤٣٣/٠٦/٠٩ هـ الموافق ٢٠١٢/٠٤/٣٠ م.

(اليوم التاسع من شهر جمادى الآخرة سنة ألف و اربعمئة وثلاثة وثلاثون هجري)

٧/١١

الوظيفة : مدير عام فرع المصلحة بالمدينة المنورة

الإسم : عبدالرحمن بن عوض الرحيلي

التوقيع :



13. STANDARD & CERTIFICATION

Energya Cables are custom designed to meet the highest and latest performance standards in the field. Among these standards are:



- | | |
|--------------------|---|
| BS 6004 | Electric cables – PVC insulated, non-armored cables for voltages up to and including 450/750 V, for electric power, lighting, and internal wiring |
| BS 7211 | Electric cables – Thermosetting insulated, non-armored cables for voltages up to and including 450/750 V, for electric power, lighting and internal wiring, and having low emission of smoke and corrosive gases when affected by fire. |
| IEC 60227 | Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V |
| IEC 60502-1 | Power cables with extruded insulation for rated voltages 1kV and 3 kV |
| UL 83 | Thermoplastic-Insulated Wires and Cable |
| UL 1063 | Machine-Tool Wires and Cables |
| IEC 60502-2 | Power cables with extruded insulation for rated voltages from 1kV Up to 30 kV |

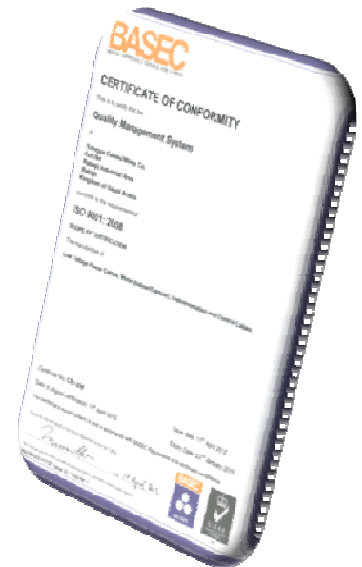
Energya Cables Saudi Arabia is unleashed in the energy market backed-up with the best and well known **certificates** around the world



CERTIFICATES	
	<p>British Approvals Service for Cables (BASEC) is an independent and non-profit accredited certification body. Their mark is synonymous with quality and safety. They provide product certification (approval) services globally for all types of cable and wire, for ancillary products, and also provide management systems certification for the cable sector.</p>
	<p>UL is the trusted source across the globe for product compliance. Benefiting a range of customers - from manufacturers and retailers to consumers and regulating bodies – UL has tested products for public safety for more than a century. UL can offer one of the conformity assessment industry's broadest portfolios of capabilities and certification marks. Its unique mix of local expertise in global markets and deep industry knowledge helps bring safer products to markets faster than ever before</p>
	<p>Saudi Arabian standards org is the cooperation partner in maintaining the safety and public health protecting the consumer and environment and enhancing the competitive of national products through the application of the best international practices in different standardization fields in accordance with the Islamic law</p>

	<p>QA International Certification Limited is a UKAS-Accredited certification body, providing internationally recognized assessment and registration of Companies operating against the requirements of National and International standards. Companies registered by QA International range from large multi-nationals to small businesses and span a wide range of manufacturing and service industries. Based at Darlington - England and operating from a number of regional offices, QA International offers a locally based and cost effective support service throughout the whole registration process. With overseas offices in Europe, the Middle East, Asia and the Far East, QA International is well placed to service the needs of both National and International markets</p>
	<p>Founded in 1927, KEMA is a commercial enterprise, specializing in high-grade technical consultancy, inspection, testing and certification. Much of the company's work centers round innovative technology. As an independent organization, KEMA supports clients</p> <p>Concerned with the supply and use of electrical power and other forms of energy.</p>
	<p>DEKRA is one of the world's leading expert organizations. The company currently maintains a presence in 50 countries in Western and Eastern Europe.</p> <p>The DEKRA Business Units "Automotive", "Industrial" and "Personnel" provide professional and innovative services in the fields of vehicle inspections, expert appraisals, international claims management, consulting, industrial testing, product testing, certification, environmental protection, qualification.</p>
	<p>BRE Global works to ensure that fire, security, environmental and other products and services provide the quality of performance and protection that they should.</p> <p>BRE are an independent, third-party approvals organization, offering certification of products, services</p>

and systems to an international market. Testing and approvals are carried out by recognized experts in world-class facilities. BRE also offer cutting-edge research and consultancy services.





CERTIFICATE OF CONFORMITY

This is to certify that the

Quality Management System

of

Energya Cables/Wires Co.
Exit 294
Rabigh Industrial Area
Rabigh
Kingdom of Saudi Arabia

conforms to the requirements of

ISO 9001: 2008

SCOPE OF CERTIFICATION

The manufacture of:

Low Voltage Power Cables, Wires (Indoor/Outdoor), Instrumentation and Control Cables

Certificate No: **CS1-238**

Issue date: 11th April 2012

Date of original certification: 11th April 2012

Expiry Date: 22nd January 2015

This certificate is issued subject to and in accordance with BASEC Regulations and continued compliance.

Signed for and on behalf of the British Approvals Service for Cables

 Date 17 April 2012

This Certificate and Schedule(s) remains the property of BASEC, and shall be returned when required.

BSF080.002/ A1732 / Issue: 01 / Copy No: 1





the standard in safety

Underwriters
Laboratories

File E339475

Vol 1

Issued: 2011-01-19

Revised: 2011-01-19

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)

THERMOPLASTIC-INSULATED WIRE
(ZLGR)

Manufacturer: ENERGY WIRES
(100559-633) RABIGH EXIT 927
RABIGH SAUDI ARABIA

Applicant: ENERGY WIRES
(100540-518) OFFICE NO 49 & 50, 2ND FL
PRINCE SULTAN ST, SAAD CENTER
PO BOX 5083
JEDDAH 21422 SAUDI ARABIA

Listee: SAME AS APPLICANT
(100540-518)

This Procedure authorizes the above manufacturer to use the marking specified by Underwriters Laboratories Inc.(UL), or any authorized licensee of UL, only on products covered by this Procedure, in accordance with the applicable UL Services Agreement.

The prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

The Procedure contains information for the use of the above named Manufacturer and representatives of Underwriters Laboratories Inc. and is not to be used for any other purpose. It is lent to the Manufacturer with the understanding that it is not to be copied, either wholly or in part, and that it will be returned to Underwriters Laboratories Inc. (UL) or any authorized licensee of UL, upon request.

This PROCEDURE, and any subsequent revision, is the property of Underwriters Laboratories Inc.(UL) and the authorized licensee of UL and is not transferable.

Underwriters Laboratories Inc.



Stephen Hewson
Senior Vice President
Global Follow-Up Service Operations



William R. Carney
Director
North American Certification Program



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



الجمعية السعودية للإحصاءات والمقاييس والقياس
Saudi Standards, Metrology and Quality Org.

نشهد الهيئة السعودية للمواصفات والمقاييس والجودة بأنها
تشرية أسلاك الطاقة للأسلاك الكهربائية المحدودة (إنرجيا)
بإستعمال علامة الجودة على منتجها التالي :
الكابلات المعزولة بعديد كلوريد الفينيل لجهود مقنة حتى ٧٥٠/٤٥٠ فولت
حسب المواصفات القياسية السعودية :
رقم ١٣١٩ ، ١٣٢٠ ، ١٩٩٧/١٣٢٠ ، ١٤٤٩ ، ١٧٠٢/١٩٩٨ م.
ولمدة عام واحد ابتداءً من ٢٥/٠٤/١٤٣٣ هـ الموافق ١٨/٠٣/٢٠١٢ م.

والله الموفق

محافظ الميمنية



کتابخانه آستان قدس

رقم الترخيص : ١٤٣١/٢٨٦



REPORT OF PERFORMANCE

TIC 1379-11

OBJECT	1-core PVC insulated non-sheathed cable
TYPE	450/750 V, CU/PVC (Flexible) 1x4 mm ²
MANUFACTURER	Energya Wires Company Jeddah, Saudi Arabia
CLIENT	Jeddah Cables Company Jeddah, Saudi Arabia
TESTED BY	KEMA HIGH-VOLTAGE LABORATORY Arnhem, the Netherlands
DATE OF TESTS	4 February 2011 until 7 March 2011
TEST PROGRAMME	Tests in accordance with IEC 60227-3 (1993) including Amendment 1 (1997) and BS 6004 (2000).
SUMMARY AND CONCLUSION	The tests were passed.

This Report of Performance applies only to the object tested. The responsibility for conformity of any object having the same designations with that tested rests with the Manufacturer.

This Report consists of 19 pages in total.

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KEMA Nederland B.V.



S.A.M. Verhoeven
Director Testing, Inspections &
Certification The Netherlands

Arnhem, 29 April 2011.

KEMA Quality

TEST CERTIFICATE

Issued to: Jeddah Cables Company
Industrial City Phase III
21497 Jeddah
Saudi Arabia

For the product: PVC insulated, non-sheathed general purpose cable, 450/750 V, single core

Trade name: ENERGYA WIRES

Type/Model: H07V-R (CU/PVC) 1x25 mm²

Ratings: 450/750 V

Manufactured by: Jeddah Cables Company
Industrial City Phase III
21497 Jeddah
Saudi Arabia

Requirements: BS 6004:2000 Incorporating AMD 14195:2004 and AMD 15636:2005

Remarks: The tested cable meets the requirement

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no 2151135.52-DCC.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 20 February 2012

Number: 2151135.02

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



H.R.M. Barends
Certification Manager

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All testing, inspection, auditing and certification activities of the former KEMA Quality are an integral part of the DEKRA Certification Group.

DEKRA Certification B.V. Utrechtseweg 310, 6812 AR Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands
T +31 26 356 2000 F +31 26 352 5800 www.dekra-certification.com Company registration 09085396





TEST CERTIFICATE

Issued to: Jeddah Cables Company
Industrial City Phase III
21497 Jeddah
Saudi Arabia

For the product: PVC insulated, non-sheathed general purpose cable, 450/750 V, single core

Trade name: ENERGIA WIRES

Type/Model: H07V-R (CU/PVC) 1x25 mm²

Ratings: 450/750 V

Manufactured by: Jeddah Cables Company
Industrial City Phase III
21497 Jeddah
Saudi Arabia

Requirements: BS 6004:2000 Incorporating AMD 14195:2004 and AMD 15636:2005

Remarks: The tested cable meets the requirement

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no 2151135.52-DCC.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 20 February 2012

Number: 2151135.02

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



H.R.M. Barends
Certification Manager

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T +31 26 356 2000 F +31 26 352 5800 www.dekra-certification.com Company registration 09085396

KEMA Quality

TEST CERTIFICATE

Issued to: Jeddah Cables Company
Industrial City Phase III
21497 Jeddah
Saudi Arabia

For the product: Single-core non-sheathed cable with rigid conductor for general purposes

Trade name: ENERGY WIRES

Type: 60227 IEC 01 (CU/PVC) 1x25 mm²

Ratings: 450/750 V

Manufactured by: Jeddah Cables Company
Industrial City Phase III
21497 Jeddah
Saudi Arabia

Requirements: IEC 60227-3:1993 + A1:1997

Remarks: The tested cable meets the requirement

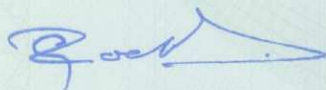
This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no 2151135.51-DCC.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

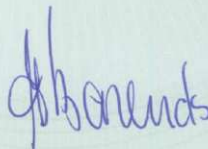
Arnhem, 20 February 2012

Number: 2151135.01

DEKRA Certification B.V.



drs. G.J. Zoetbrood
Managing Director



H.R.M. Barends
Certification Manager

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 **DEKRA**



TEST CERTIFICATE

Issued to: Jeddah Cables Company
Industrial City Phase III
21497 Jeddah
Saudi Arabia

For the product: Single-core non-sheathed cable with rigid conductor for general purposes

Trade name: ENERGYA WIRES

Type: 60227 IEC 01 (CU/PVC) 1x25 mm²

Ratings: 450/750 V

Manufactured by: Jeddah Cables Company
Industrial City Phase III
21497 Jeddah
Saudi Arabia

Requirements: IEC 60227-3:1993 + A1:1997

Remarks: The tested cable meets the requirement

This Test Certificate is granted on account of an examination by DEKRA, the results of which are laid down in a confidential file no 2151135.51-DCC.

The examination has been carried out on one single specimen of the product, submitted by the manufacturer. The Attestation does not include an assessment of the manufacturer's production. Conformity of his production with the specimen tested by DEKRA is not the responsibility of DEKRA.

Arnhem, 20 February 2012

Number: 2151135.01

DEKRA Certification B.V.

drs. G.J. Zoetbrood
Managing Director

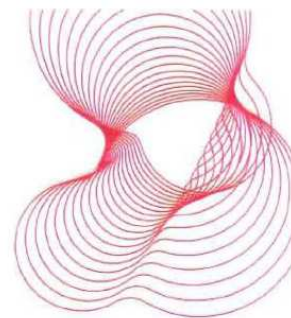
H.R.M. Barends
Certification Manager

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Test report for the fire testing of a Jeddah Cables Company - Energya Cables
Saudi Arabia 'AL/XLPE/LSHF/STA/LSHF 8.7/15 kV' 3x300mm² cable



Prepared on behalf of BRE Global by

Name Ewan MacDonald

Position Consultant

Signature



Approved on behalf of BRE Global by

Name Dave Hoare

Position Senior Consultant

Date 19 June 2012

Signature



BRE Global
Bucknalls Lane
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E enquiries@breglobal.com
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such.

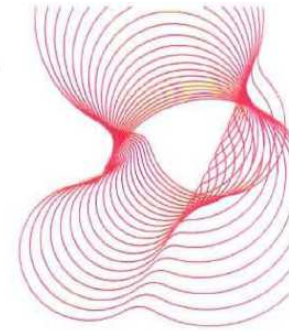


0578

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This report is made on behalf of BRE Global. By receiving the report and action on it, the client accepts that no individual is personally liable in contract, tort or breach of statutory duty (including negligence). No third party has any right to rely on this report.

Test report for the fire testing of a Jeddah Cables Company - Energya Cables
Saudi Arabia 'AL/XLPE/LSHF/STA/LSHF 8.7/15 kV' 3x300mm² cable



Executive Summary

Client:

Jeddah Cables Company - Energya Cables Saudi Arabia, Industrial City Phase II, PO Box 31248, Jeddah,
Saudi Arabia

Product:

'AL/XLPE/LSHF/STA/LSHF 8.7/15 kV' 3x300mm² cable

Tests Undertaken:

IEC 60332-3-24:2009

IEC 61034-2:2005

IEC 60754-1:2011/BS EN 50267-2-1:1999

IEC 60754-2:2011

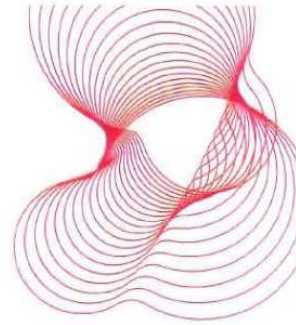
IEC 60684-2:2011 Clause 45.2

Conclusion:

The cable satisfied the performance requirements of IEC 60332-3-24:2009 and IEC 61034-2.

The insulation and bedding/sheath materials satisfied the requirements of IEC 60754-1:2011/BS EN 50267-2-1:1999, IEC 60754-2:2011 and IEC 60684-2:2011 Clause 45.2 as given in IEC 60502-1:2009.

Test report for the fire testing of a Jeddah Cables Company - Energya Cables
Saudi Arabia 'CU/XLPE/LSHF/STA/LSHF 0.6/1kV' 4x25mm² cable



Prepared on behalf of BRE Global by _____

Name Ewan MacDonald

Position Consultant

Signature

Approved on behalf of BRE Global by _____

Name Dave Hoare

Position Senior Consultant

Date 19 June 2012

Signature

BRE Global
Bucknalls Lane
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E enquiries@breglobal.com
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such.

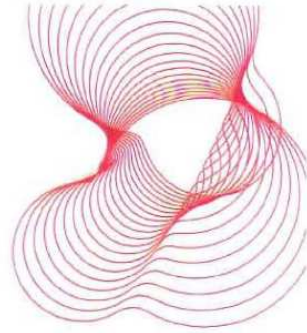


0578

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This report is made on behalf of BRE Global. By receiving the report and action on it, the client accepts that no individual is personally liable in contract, tort or breach of statutory duty (including negligence). No third party has any right to rely on this report.

Test report for the fire testing of a Jeddah Cables Company - Energya Cables
Saudi Arabia 'CU/XLPE/LSHF/STA/LSHF 0.6/1kV' 4x25mm² cable



Executive Summary

Client:

Jeddah Cables Company - Energya Cables Saudi Arabia, Industrial City Phase II, PO Box 31248, Jeddah,
Saudi Arabia

Product:

'CU/XLPE/LSHF/STA/LSHF 0.6/1kV' 4x25mm² cable

Tests Undertaken:

IEC 60332-3-24:2009

IEC 61034-2:2005

IEC 60754-1:2011/BS EN 50267-2-1:1999

IEC 60754-2:2011

IEC 60684-2:2011 Clause 45.2

Conclusion:

The cable satisfied the performance requirements of IEC 60332-3-24:2009 and IEC 61034-2.

The insulation and bedding/sheath materials satisfied the requirements of IEC 60754-1:2011/BS EN 50267-2-1:1999, IEC 60754-2:2011 and IEC 60684-2:2011 Clause 45.2 as given in IEC 60502-1:2009.

14. APPROVALS

الرقم : ٤٤٨٦٥ / ١ / ١
التاريخ : ١٤٢٢ / ٤ / ١٣
المرفقات :



المملكة العربية السعودية
وزارة النقل

٢٨١

الإدارة العامة للدراسات والتصميم


الموضوع : بخصوص طلب اعتماد شركة صناعة أسلاك
الطاقة المحدودة لصناعة الأسلاك والكابلات
الكهربائية إنرجيا .

المكرم/ مدير عام شركة صناعة أسلاك الطاقة المحدودة المحترم
السلام عليكم ورحمة الله وبركاته...

إشارة إلى خطابكم رقم وتاريخ (بدون) بخصوص طلب اعتماد شركة
صناعة أسلاك الطاقة المحدودة لصناعة الأسلاك والكابلات الكهربائية
إنرجيا .

وبعرض الأمر على سعادة وكيل الوزارة للطرق بنتائج البحث المتعلق
بمنتجاتكم من أسلاك الطاقة وكابلات الجهد المنخفض ، وافق سعادته
بشرحه المؤرخ ١٤٣٣/٠٣/٢١هـ على استخدامها بمشاريع الوزارة .
ولكم تحياتنا،،،

مدير عام إدارة الدراسات والتصميم


المهندس / عبد الغني بن حامد الحربي

Kingdom of Saudi Arabia
Ministry of Health
General Directorate for Project
Supervision on Execution Department



المملكة العربية السعودية
وزارة الصحة
الإدارة العامة للمشاريع
إدارة الإشراف على التنفيذ

الرقم: ٥٢٣٣ / ٤٠١ / التاريخ ١٩ / ٢ / ١٤٤٣ هـ المشفوعات: يدع

الموضوع: تأهيل شركة كابلات جدة ماركة Energya

المحترمين

السادة/ شركة كابلات جدة المحدودة

ت: ٠٢/٦٣٦٠٧٧٠٠

ف: ٠٢/٦٣٥٠٩٠٩

جدة ٢١٤٩٧

ص.ب ٣١٢٤٨

السلام عليكم ورحمة الله وبركاته ...

إشارة إلى خطالكم رقم بدون وتاريخ ١١/١/٤٣١ هـ والمتضمن تأهيل منتجات مصنعكم من كابلات الجهد المنخفض والمتوسط ماركة Energya بمشاريع وزارة الصحة.

نفيدكم بأنه بعد أن تمت دراسة الملف الخاص بمصنعكم يمكنكم تقديم منتجاتكم من كابلات الجهد المنخفض والمتوسط ماركة Energya بمشاريع الوزارة في حال كانت مطابقة لمواصفات المشروع.

مع أطيب تحياتي ...

مدير إدارة الإشراف على التنفيذ



المهندس/عبد النعـم بن محمد الحسن

وزارة الصحة
Ministry of Health

Riyadh (11176) Tel. (4033992) Fax (40407997)

الرمز البريدي (١١١٧٦) هاتف (٤٠٣٣٩٩٢) فاكس (٤٠٤٠٧٩٧)

مطابع صحة الشرقية ١٥ - ٧ - ١٠١

 United Arab Emirates دولة الامارات العربية المتحدة الهيئة الاتحادية للكهرباء والماء Federal Electricity & Water Authority	
Registration No.:	١٧٩٣ <input checked="" type="checkbox"/> Supplier
Company Name:	انيرجيا الدولية للكابلات م د ح ENERGYA CABLES INTERNATIONAL FZE
Issue Date :	20/12/2009 تاريخ الاصدار :
Expiry Date :	19/12/2010 تاريخ الانتهاء :
	

Local Purchase - Enquiry List

Page 1 of 1



Customers
Monday, January 4, 2010

Business

Community

eServices

DEWA

هيئة كهرباء ومياه دبي
Dubai Electricity & Water Authority



dubai.ae عربي

[Home](#) > [e-Services](#) > Local Purchase

DEWA PURCHASE - ENQUIRY LIST

Supplier ID. : E0374
Supplier Name : Energya Cables international
Supplier Address : 49035, Sharjah

SI No	Enquiry No	Enquiry Date	Closing Date	Enquiry Remarks	Related Documents
1					

Note: * - Enquiries already Quoted

[Submit Que](#)



MATERIALS DEPARTMENT
Qatar Navigation Plaza, P.O.Box 47, DOHA-QATAR
Website: www.qp.com.qa
(974) 44240200 / Fax (974) 44240351

To: Energya Cables International
Email: wshafy@cables.energya.com
Attn: Commercial Manager
Date: 26/02/2012
CC: jccqatar@qatar.net.qa

From: QP SUPPLIER RELATIONS
Fax: +974-44240351
Phone: +974-44240248
Email: supplierrelation@qp.com.qa
Ref: 6497

Subject: Vendor Registration Notification. (This does not constitute Vendor pre-qualification or product approval).

We are pleased to inform you that your e-registration request with Qatar Petroleum has been processed.

Your Materials SAP Vendor Registration Number is :105868 Expiry Date: 08/18/2012

Please note carefully your registration expiry date and make sure to initiate registration renewal process at least four weeks ahead of the expiry date. Failure to do so may result in removing your company from the QP-Materials Supplier list.

Submission of a completed Supplier registration Form and our acknowledgment does not confer any approval or pre-qualification status on any supplier. The award of any business by QP will follow established procedures for bidding, evaluation and negotiation.

Your company's registered list of commodities based on QP's Materials Department coding system is updated as follows:

Ser. #	Material Group	Commodity
1	6800	Electric Cables & Wires

Should there be any changes in your company's profile (e.g. name, address, telephone, fax, renewal or termination of agency agreement, certification, change of ownership etc), or if you are not satisfied with the above mentioned commodity groups or at any time in the future circumstances change, such that your company is no longer able to comply with the qualification criteria, your company should diligently ensure all required updates are completed on the e-Registration application on QP website.

Should you require any clarification, please contact Supplier Relations by email: supplierrelation@qp.com.qa



QP reserves the right to remove your company name from the registered suppliers list at its discretion and without notification.



Thank you for your interest in doing business with Qatar Petroleum.

Original Signed

Abdulrahman Yousef Abdulla Ahmed
A/Manager Purchasing, PS

NOTE: This is a Qatar Petroleum official document which is confidential to the addressee and may also be privileged; you may not advertise copy, forward, disclose, or otherwise use this document without the prior consent of QP Materials Department.

 System Entry Date Stamp	KING ABDULAZIZ UNIVERSITY UNIVERSITY MAIN CAMPUS PROJECT CONSTRUCTION SUPERVISION CONTRACT FLUOR ARABIA LTD. CERTIFICATE OF COMPLIANCE MATERIAL TRANSMITTAL FORM - TSF-03	 شركة المهندس المحيدين AL-MUHAIIDIB CONTRACTING CO.						
Contract No. 1.300 Title: Faculty of Environmental Design Contractor: Al Muhaidib Contracting Co.								
We understand that approval of the material(s) submitted herein is only intended to determine general conformance with the intent of the project contract documents. By submitting these materials for approval, we confirm we have performed all necessary on-site dimensional and building utility requirement coordination, and if approval is granted, will further coordinate the information contained within with all other concerned contractors employed by the University.								
MATERIAL SOURCE CODES: (S) Saudi Arabia (G) Gulf Cooperative Council (F) Imported								
Eng. Assad Al Feghalli								
Transmittal No. E 027-2 Transmittal Date: 20-Jul-09 Subject: Medium Voltage Power Cable								
Item	Specs	Prod.	Rev.	Description	Subs. Req.	Source	Action	Comments
1	Div. 16 Sec. 16121		C	Medium Voltage Power Cable		S	A	
Manufacturer/Supplier ENERGYA CABLES / ENERGYA CABLES SAUDI ARABIA P.O. Box 5098, Jeddah- 21422 Tel: 02 616 5886 / Fax: 02 616 5883								
FAL Project Manager				The above approval does not relieve the Contractor of any contract obligations, whether for coordination, compliance, or quality with the contract terms and conditions of the contract.				
ACTION CODES: (A) Approved (B) Approved As Noted, Resubmittal Not Required				(C) Revise and Resubmit (D) Not Approved				
29/07/09				Contractor Receipt: Received By _____ Date 09/08/09				

 <small>System Entry Date Stamp</small>	KING ABDULAZIZ UNIVERSITY UNIVERSITY MAIN CAMPUS PROJECT CONSTRUCTION SUPERVISION CONTRACT FLUOR ARABIA LTD. MATERIAL SUBMITTAL ROUTING FORM - TSF-01 Sheet 2 of 2 <small>(Rev.Date: 08 Apr. 2008)</small>	 شركة المهديب للمقاولات AL-MUHAIIDIB CONTRACTING CO.
Contract No.: E 027-2 Title: Faculty of Environmental Design Contractor: <u>Al Muhaidib Contracting Co.</u>		
Transmittal No.: E 027-2 Transmittal Date: 20-Jul-09 Subject: Medium Voltage Power Cable		
Document Type: <input checked="" type="checkbox"/> Material Submittal <input type="checkbox"/> O&M Manual <input type="checkbox"/> Sample		
Reply: <div style="border: 1px solid black; height: 150px; margin-top: 10px; position: relative;"> <div style="position: absolute; top: 10px; left: 10px;"> <p>The material is approved.</p> <p style="text-align: right;">[Signature]</p> </div> </div>		

هاتف: +٩٦٦ (٠) ١٢٠١٣٠٠١
فاكس: +٩٦٦ (٠) ١٢٠١٣٨٢٧
riyadh@dargroup.com
س.ت: ١٠١٠٠٧٦٥٧٨
ترخيص رقم: ١٩٣

الرياض
طريق الملك فهد، العليا
مركز الماس رقم ٨٠٢
ص.ب: ٦١٢، الرياض ١١٤٣١
المملكة العربية السعودية

دار الهندسة
شاعرو مشاركوه



إشارتنا: CDP-DAR/ S06060-CT-GEN-1444
المرفقات: (١) صفحة + ٢ كتالوج.

الرياض في: - ١٤٣١/٠٢/١٧ هـ
الموافق: - ٢٠١٠/٠٢/٠١ م

سعادة مدير القسم الفني

المهندس/ ناصر بن عبد الله محمد العريفي

المحترم

مركز المشروعات التطويرية
وزارة الداخلية

السلام عليكم ورحمة الله و بركاته ،،،

الموضوع : دراسة طلب تأهيل لشركة كابلات جدة

إشارة الى خطاب شركة كابلات جدة لمركز المشروعات التطويرية بالوزارة ومرفق به ملف مواصفات الكابلات وشهادات الاختبارات وباقي المستندات المطلوبة لطلب اعتماد ذلك المنتج ضمن قائمة الموردين للمركز. نحيط علم سعادتك أنه بعد دراسة الملفات المرفقة اتضح التالي:-

١- بخصوص معايير اعتماد مورد ضمن قائمة الموردين :

نوضح أن الشركة معتمدة مسبقاً ضمن قائمة الموردين لتوريد كابلات ضغوط مختلفة ضمن القائمة الخاصة بالمركز تحت مسمى "كابلات جدة".

٢- بخصوص اعتماد المواد التي سيتم توريدها من قبل الشركة:

تقدمت الشركة بالمواد التالية:

م	اسم المورد	رقم المواصفة	موقف الموردين
١	كابلات ضغط منخفض بمسمى ENERGYA CABLES صناعة سعودية بنفس شركة كابلات جدة	DEVISION 16132	النوعية الجديدة غير معتمدة

وقد اتضح بعد دراسة الملف بالكامل التالي:

- أ- تطابق المواصفات مع مواصفات المشاريع بمركز المشروعات التطويرية.
ب- وجود اختبارات نظامية من مختبر KEMA العالمي المتخصص بالمجال.

ت- حصول المنتج على شهادات مطابقة المواصفات من ISO 9001:2000 وكذلك الهيئة البريطانية لإعتمادات الكابلات BASEC.

ث- اعتمادات من الدوائر الحكومية وعلى رأسها شركة الكهرباء السعودية "سككو".

ج- تنتج الكابلات بنفس خطوط انتاج شركة "جدة للكابلات" ويطبق عليها نفس معايير اختبارات الجودة لمنتج شركة "كابلات جدة".

بناءً على ماتقدم، فإنه يمكن اعتماد نوعية الكابلات المقدمة تحت مسمى ENERGYA CABLES من انتاج شركة كابلات جدة، وإدراجها ضمن قائمة الموردين بالمركز، شريطة تقديم ضمان للوزارة عند اختيارها بالمشاريع لمدة زمنية قدرها خمس سنوات من بداية التشغيل.

نأمل من سعادتك التوجيه بما ترونه مناسباً حيال هذا الموضوع.

وتفضلوا بقبول وافر التحية والتقدير،،،




ع/دار الهندسة للتصميم والاستشارات الفنية

(شاعر و مشاركه)

عنا ٣٠٢



المهندس/ هاني إبراهيم يموت

Contractor 		Project Manager Office  <small>Site Consultant</small>		Owner  King Abdullah Bin Abdul Aziz Foundation for Development Housing Dedicated to His Parents for Jazan Housing	
PROJECT NO: 7		LOCATION: JAZAN			
PROJECT NAME: King Abdullah Bin Abdul Aziz Foundation for Development Housing Dedicated to His Parents for Housing					
MATERIAL SUBMITTAL					
NEW SUBMITTAL: X1		SUBMITTAL NO: KA7-CON-MM-MTS-0155		PREV. SUBMITTAL NO:	
RESUBMITTAL:		Date: 17-12-11		PREV. SUBMITTAL DATE:	
SUBMITTAL REASON: <input type="checkbox"/> INFO <input type="checkbox"/> NOTES <input checked="" type="checkbox"/> APPROVAL					
MAJOR					
<input type="checkbox"/> CV <input type="checkbox"/> AR <input type="checkbox"/> ST <input type="checkbox"/> AC <input checked="" type="checkbox"/> EL <input type="checkbox"/> PL <input type="checkbox"/> OTHER					
ATTACHMENTS					
<input checked="" type="checkbox"/> Brochure <input checked="" type="checkbox"/> Tech. Spec. <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Certificate <input type="checkbox"/> Drawing <input type="checkbox"/> Calculation					
MATERIAL/TOOLS					
Serial	Material Name, Number & Description	Source	Supplier / Manufacture	Specs. Ref	Code Status
Indoor Cables (Wires)					
1	Indoor Cables (Wires) for all Buildings 1.5 mm2 , 2.5 mm2 , 4.0 mm2 & 6.0 mm2	<i>energya</i>	Energya Wires	16.A	B
CONTRACTOR:					
Engr. Mgr.					
NAME: Engr. Syed Khalid Riaz					
SIGNATURE: <i>[Signature]</i>					
CONSULTANT NOTES:					
<i>Approved as per specification of project and must be at least 600V (insulation)</i>					
CONSULTANT:			CLIENT:		
NAME: <i>Khalid Riaz</i>			NAME:		
POSITION: <i>S. Elect. Engr.</i>			POSITION:		
SIGNATURE: <i>[Signature]</i>			SIGNATURE:		
DATE: <i>24-12-2011</i>			DATE:		
APPROVAL SITUATION					
<input type="checkbox"/> A APPROVED		<input type="checkbox"/> D REJECTED			
<input checked="" type="checkbox"/> B APP. WITH COMMENTS		<input type="checkbox"/> E NO ACTION			
<input type="checkbox"/> C APP. AS NOTED/RESUBMITTAL REQUIRED					
INCOMING: SIGNATURE: DATE:		OUTGOING: SIGNATURE: DATE:			
<small>Client: Original Consultant: Copy with Stamp Contractor: Copy with Stamp Consultant Site Office: Copy</small> <small>(Authority to proceed with work does not relieve the contractor from contractual responsibilities)</small>					

17 DEC 2011
Construction Department
RECEIVED
[Signature] 8-30 AM



سعودي
SAUDCONSULT

SAUDI CONSULTING SERVICES
ENGINEER DR. TAREK M. A. SHAWAF

مكتب الخدمات الاستشارية السعودي
د/ المهندس طارق الشواف

Document Transmittal Sheet

Our Ref : SCJ/SEC/1876/2009/D-01595 Dated 05-04-1431H (21-03-2010G)
Contractor Ref : ABB/SEC/1876/2009/Jabal Omer/D-EM026 R01 Dated 27-03-1431H (13-03-2010G)

To : M/s. Saudi Electricity Co.
WOA Jeddah

Total pages: 01

Attn : Engr. Mohammad Bin Jameel Manan,
Div. Manager, West Projects.

Project : Jabal Omer 110/13.8 kV S/S Makkah
Contract No. : 1876/2009 (ABB)

Subject : Energy Cables (MV, LV Control Cables by Jeddah Cables)

We comment hereunder on the following drawing / Document

Item #	Document/Drawing #	Rev.	Document Title	Status
01	WE-055206	00	Energy Cables HV(MV, LV & Control Cables by Jeddah Cables)	"A" * See Note

☒ Electrical

☐ Civil

☐ Mechanical

NOTE: Only the Cable Manufacturer has been approved, Cable sizes shall be finalized in the Cable sizing Calculations.

LEGEND:

A	Approved
B	Approved Except As Noted
C	Approved Except As Noted & Re-Submit.
D	Rejected
E	For Information only

Engr. M Aslam Iqbal
Project Manager

MZ/IBB

page 1 of 1

Phone	E-mail	P.O.Box	Code	Fax	فاكس	الرمز	ص.ب.	بريد الكتروني	هاتف
Jeddah 6670500	scw@saudconsult.com	7352	21462	6653587	٦٦٥٣٥٨٧	٢١٤٦٢	٧٣٥٢	scw@saudconsult.com	٦٦٧٠٥٠٠
Riyadh 4659975	scc@saudconsult.com	2341	11451	4647540	٤٦٤٧٥٤٠	١١٤٥١	٢٣٤١	scc@saudconsult.com	٤٦٥٩٩٧٥
Dammam 8955004	sce@saudconsult.com	1293	31431	8951722	٨٩٥١٧٢٢	٣١٤٣١	١٢٩٣	sce@saudconsult.com	٨٩٥٥٠٠٤

Submittal No. MAT/P1/EL/01303 R0

Electrical Material Submittal / LV CABLES & WIRES / MV CABLES

Manufacturer/ Supplier, JEDDAH CABLE / ENERGYA CABLES

Contractor is requested for taking the following into consideration:

1. Size, Type, Application is to be as per specification/Approved Shop Drawings and system manufacturer recommendations
2. Samples are to be provided for the different cables and wires indicated in summary for materials was attached in the submittal which will be used in the project as specified and shown on the drawings. Each cables and wires sample is to have sufficient length to illustrate Embossed information\data on the outer jacket: **name of manufacturer, cable description rated voltage, size of conductor, Year of manufacture, (FR) for flame retardant and standard No. according to which cable was manufactured as following table:**

SQ	Material Description	Spec Ref	standard No.
1	Single core CU/PVC 450/750 V (FR)	16120	IEC 60227 & IEC 60332-1
2	Multi core PVC/PVC 0.6/1KV (FR) Non Armored	16120	IEC 60502-1 & IEC 60332-1
3	Single core XLPE/PVC 0.6/1KV (FR) Non Armored	16120	IEC 60502-1 & IEC 60332-1
4	Multi core XLPE/PVC 0.6/1KV (FR) Non Armored	16120	IEC 60502-1 & IEC 60332-1
5	Single & Multi core XLPE/LSF 0.6/1KV Non Armored	16120	IEC 60502-1 & IEC 61034
6	MV Multi core XLPE/PVC 8.7/15 (17.5) kV, (FR) Non Armored	16124	IEC 60502-2 & IEC 60332-1

3. Approval committed for Samples is to be submitted only, any other material intended to be used, are to be submitted individually for approval.
4. MIR (Material Inspection Request) is to be submitted when first dispatch received on site

Submittal is to be considered Code B "Approved as Noted" subject to submit confirmation that embossing will be as above and get Dar's approval prior to start manufacturing as well as compliance with all above comments.

S.SH / E.AA
10 December 2009

[Handwritten signature]



[Handwritten mark]

Transmission
Engineering & Projects Department
Developing Transmission Area Projects Department
SEC HQ-II Floor, Jeddah
Tel.653-7334. Fax 653-7332
Email: 65171@SE.COM.SA

DOCUMENT TRANSMITTAL SHEET

Our Ref. : SEC/009/2009/D-00705 Dated: 09-02-2010
Contractor Ref. : ABB/SEC/009/2009/D-EM012R2 Dated: 03-02-2010
From : Project Manager , Shamiyah-1 & 2 SS Projects
To : M/S ABB
Attn. : Engr. Badie BenZina
Project Manager
M/S Saudiconsult, Jeddah
cc. : Engr.M. Aslam Iqbal
Attn. : Project Manager
Project : Construction of New 110/13.8KV Shamiyah-1 & 2 SS, Makkah
Contract no. : 009/2009
Subject : Base Design of MV, LV & Control Cables for SHM-1&2
Approval Status : "A"

Notes:

As per the attached
(Total pages including this page=2)

Engr. OMAR ABDULRAHIM FATTAH
PROJECT MANAGER

REQUEST FOR TECHNICAL APPROVAL

السعودية العربية
Saudi Aramco

DATE: 7-Apr-2010
Day Month Year

Through: NGMSA		SA CONTRACT NO. : 6600022866 B.I. No. : 10-00505/00565 J.O. No. : PROJECT TITLE : Integrated Security Upgrade Program (ISUP) LOCATION :		NO. OF COPIES SUBMITTAL CODE:	
Attn: Khalid Jadallah Project Manager		<input checked="" type="checkbox"/> NEW SUBMITTAL <input type="checkbox"/> RESUBMITTAL <input type="checkbox"/> INSPECTION REQUIRED INSPECTION LEVE 1 <input type="checkbox"/> INSPECTION NOT REQUIRED		A <input type="checkbox"/> ARCHITECTURAL C <input type="checkbox"/> CIVIL M <input type="checkbox"/> MECHANICAL H <input type="checkbox"/> HVAC E <input checked="" type="checkbox"/> ELECTRICAL T <input type="checkbox"/> TELECOM / INSTRUMENT O <input type="checkbox"/> OTHERS	
REFERENCE SUBMITTAL NO. (SUP-E-16-029/AN-3)				TOTAL LINE ITEM NO. DIVISION NO. 16 SPECS. & STD.	
ITEM No.	DESCRIPTION	MANUFACTURER / VENDOR	Catalogues, Specs, Paragraph Dwg. No.	FOR SAUDI ARAMCO USE ONLY	
1	POWER CABLE, MEDIUM VOLTAGE, 12-20KV, CU/XLPE/PVC, (AS PER ATTACHED DATA SHEETS CATALOGUE CUTS) NOTE: (SIZE SHALL BE AS PER DRAWING AND SITE REQUIREMENTS)	MANUFACTURER: JEDDAH CABLE COMPANY P.O. BOX 31248, JEDDAH 21497 VENDOR ID CODE # 03-225841 VENDOR/SUPPLIER: 80005598 AS PER ATTACHED LIST CCC CODE : 150005 9COM : 6000000797	A CERTIFICATES <input type="checkbox"/> B BROCHURES <input type="checkbox"/> C CATALOGUES <input checked="" type="checkbox"/> D DRAWINGS <input type="checkbox"/> E PROCEDURES <input type="checkbox"/> F SPECS <input type="checkbox"/> G TEST RECORDS <input type="checkbox"/> H OTHERS (DATA SHEETS) <input checked="" type="checkbox"/>	<p>#15 SAMSS 502 * IR 1502 Approved. NGMSA may proceed with MR.</p>	
SUBMITTED BY: Khalid Jadallah (NGMSA) George Fayad Contractor Representative (NESMA) Date		These documents have been reviewed for general conformance with the contract. Such review does not relieve the Contractor of his responsibilities under the terms of the contract nor authorized additional compensation.		<input type="checkbox"/> NO OBJECTION <input type="checkbox"/> CORRECT & RESUBMIT <input checked="" type="checkbox"/> NO OBJECTION AS NOTED <input type="checkbox"/> REJECTED AS NOTED	
				Saudi Aramco Project Engineer 04/24/10 Date Saudi Aramco Representative 04/24/10 Date	

NHSA

NO OBJECTION
PTC 4/11/10

4/19/2010

Saudi Aramco has no objection to use unarmored shielded MV cable in full compliance with SAES - P-104 NFPA 70 (NEC) and IEC 60364-5-52 Requirement



SAUDI CONSULTING SERVICES
ENGINEER DR. TAREK M. A. SHAWAF

مكتب الاستشارات السعودية
د. طارق محمد شاواف

Document Transmittal Sheet

Our Ref. : SCJ/SEC/009/2009/D-00705
Contractor Ref : ABB/SEC/009/2009/D-EM 012R2
Dated: 22.02.1431H (06.02.2010G)
Dated: 19.02.1431H (03.02.2010G)

To : M/S SAUDI ELECTRICITY COMPANY,
JEDDAH

Attn. : Engr. Muhammad Jamil Mannan,
Div. Mgr, West S/S Projects

Project : Construction of New Substations 110/13.8 kV Shamiyah 1 & 2

Contract No. : 009/2009(ABB)

Subject : Base Design of MV, LV & Control Cables for Shamiya 1 & 2 S/S

We comment hereunder on the following Drawings / Documents.

Item #	Doc/Dwg #	Rev.	Document Title	Status
01	WE-057178 WE-057180	02	Base Design of MV, LV & Control Cables for Shamiya 1 S/S	"A"
02	WE-058178 WE-058180	02	Base Design of MV, LV & Control Cables for Shamiya 2 S/S	"A"

Status of the drawings/documents is indicated in the last column with the attached sheet of comments if any.

☒ Electrical

☐ Civil


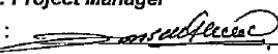
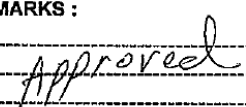
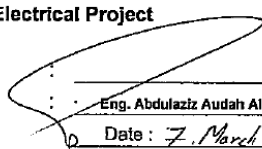
☐ Electro-mechanical

LEGEND:

A	Approved
B	Approved Except As Noted
C	Approved Except As Noted & Re-Submit
D	Rejected
AS	As-Built
FI	For Information

Engr. M. Aslam Iqbal
Project Manager
ZK

	Phone	E-mail	P.O.Box	Code	Fax	فاكس	البريد	ج. ب.	ت. ب.	البريد الإلكتروني	الهاتف
Jeddah	6672062	scw@saudiconsult.com	7352	21462	6601951	٦٦٠١٩٥١	٢١٤٦٢	٧٣٥٢	٦٦٧٢٠٩٢	scw@saudiconsult.com	٦٦٧٢٠٩٢
Riyadh	4659975	scc@saudiconsult.com	2341	11451	4847540	٤٨٤٧٥٤٠	١١٤٥١	٢٣٤١	١٦٥٩٩٧٥	scc@saudiconsult.com	١٦٥٩٩٧٥
Dammam	8955004	sce@saudiconsult.com	1293	31431	8951722	٨٩٥١٧٢٢	٣١٤٣١	١٢٩٣	٣١٤٣١	sce@saudiconsult.com	٨٩٥١٧٢٢

SOUTH STEEL COMPANY RIYADH REVIEW OF CONTRACTOR'S SUBMITTAL				 شركة حديد الجنوب SOUTH STEEL COMPANY	
Submittal No. : CP-00079- E-013-Rev01		Date : March 6, 2010			
CONTRACT No.: 08-PKI-003/00		CONTRACTOR : ABB Contracting Co. Ltd.			
PROJECT TITLE : CONSTRUCTION OF SOUTH STEEL PLANT 132/33kV SUBSTATION					
From : ABB Contracting Co. Ltd. P.O. Box 91926, Riyadh 11643, K.S.A. Tel : (01) 265-3030 Fax : (01) 265-2077			To : Head of Electrical Project SOLB H.Q.P.O.Box:67159.Riyadh11596 Tel : (01) 2176888Ext 306 Fax : (01) 2172727		
ACCEPTANCE OF THE FOLLOWING SUBMITTAL IS HEREBY REQUESTED: Check in the <input type="checkbox"/> Drawings / <input type="checkbox"/> Material <input type="checkbox"/> Test Reports <input checked="" type="checkbox"/> Others Appropriate Box: Sketches Equipment Compliance Statement					
FILL-UP APPLICABLE INFORMATION BELOW: Description : Reply of Comments for Base Design of Medium Voltage, Low Voltage and Control Cables. 01 Hardcopy + 01 Softcopy . For Review and Approval.					
Reference Specification : Manufacturer/Supplier : Energya Industries / Al-Sewady Helal Compnay Vendor Address : Expected Delivery Time :					
COMPLYING WITH SCOPE OF WORK AND TECHNICAL SPECIFICATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF "NO" INDICATE DEVIATIONS : (Provide justification and attach supporting documents)					
Please refer to "Remarks"					
(ABB) Submitted by : Project Manager Signature :  Name : Engr. Jamshed A. Choudhry Date : March 6, 2010			(SOLB) Received by : Head of Electrical Project Signature : _____ Name : Eng. Abdulaziz Audah Al-Shahrani Date : _____		
FOR SOLB USE ONLY					
SOLB HAVE REVIEWED THE ABOVE SUBMITTAL AND FOUND IT: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Approved except as noted <input type="checkbox"/> Approved except as noted & resubmitt <input type="checkbox"/> Not Approved and resubmitt with compliance <input type="checkbox"/> Approved for construction (AFC) <input type="checkbox"/> AS BUILT(AS)			REMARKS : 		
Head of Electrical Project Signature :  Name : Eng. Abdulaziz Audah Al-Shahrani Our Ref.: _____ Date : 7. March 2010			(ABB) Received by Signature : _____ Name : _____ Date : _____		
NOTE : Acceptance does not release the Contractor from his responsibilities in performing the work in strict conformance with Contract, Scope of Work and Technical Specifications.					



سعود كونسولت
SAUDCONSULT

SAUDI CONSULTING SERVICES
ENGINEER DR. TAREK M. A. SHAWAF

مكتب الدراسات الاستشارية السعودي
د/ المهندس طارق المشرف

Document Transmittal Sheet

Our Ref : SCJ/SEC/1876/2009/D-01595 Dated 05-04-1431H (21-03-2010G)
Contractor Ref : ABB/SEC/1876/2009/Jabal Omer/D-EM026 R01 Dated 27-03-1431H (13-03-2010G)

To : M/s. Saudi Electricity Co.
WOA Jeddah

Total pages: 01

Attn : Engr. Mohammad Bin Jameel Manan,
Div. Manager, West Projects.

Project : Jabal Omer 110/13.8 kV S/S Makkah
Contract No. : 1876/2009 (ABB)

Subject : Energy Cables (MV, LV Control Cables by Jeddah Cables)

We comment hereunder on the following drawing / Document

Item #	Document/Drawing #	Rev.	Document Title	Status
01	WE-055206	00	Energy Cables HV(MV, LV & Control Cables by Jeddah Cables)	"A" See Note

☒ Electrical

☐ Civil

☐ Mechanical

NOTE: Only the Cable Manufacturer has been approved, Cable sizes shall be finalized in the Cable sizing Calculations.

LEGEND:

A	Approved
B	Approved Except As Noted
C	Approved Except As Noted & Re-Submit.
D	Rejected
E	For Information only

Engr. M Aslam Iqbal
Project Manager

MZ/IBB

page 1 of 1

Phone	E-mail	P.O.Box	Code	Fax	الرمز	فاكس	ص. ب	بريد الكتروني	هاتف
Jeddah 6670500	scw@saudconsult.com	7352	21462	6653587	٢١٤٦٢	٦٦٥٣٥٨٧	٧٣٥٢	scw@saudconsult.com	جدة ٦٦٧٠٥٠٠
Riyadh 4659975	scc@saudconsult.com	2341	11451	4647540	١١٤٥١	٤٦٤٧٥٤٠	٢٣٤١	scc@saudconsult.com	الرياض ٤٦٥٩٩٧٥
Dammam 8955004	sce@saudconsult.com	1293	31431	8951722	٣١٤٣١	٨٩٥١٧٢٢	١٢٩٣	sce@saudconsult.com	الدمام ٨٩٥٥٠٠٤

New Update:
October 2009





Master

ELECTRICAL MANUFACTURER'S LIST

<u>Item</u>	<u>Spec.</u> <u>Clause</u>	<u>Material</u>	<u>Manufacturer</u>	<u>Local Agent</u>
25	1325	Wires and Cables Lighting and Power	a) Ducab (UAE) b) BICC (UK) c) Pirelli (UK) d) Saudi Cables (S.A.) e) Riyadh Cables (S.A.) f) Delta Cables (UK) g) AEI (UK) h) Tekab (Sharjah) i) Sharcab (Sharjah) j) Oman Cables k) Gulf Cables l) National Cables m) Jeddah Cables (KSA)	Ducab, Dubai Tel : 04-2667400 Fax: 04-2668955 Ducab, Dubai Tel : 04-2667400 Fax: 04-2668955 Ali H. Abdulla Awazi Gargesh Tel : 04-2282151 Fax: 04-2214180 Al Khalidia Cables, Dubai Tel : 04-2215581 Fax: 04-2215811 Riyadh Cables & Metals Fax : 04-696871 Al Jalal Electric Trad. Est, Dubai Tel : 04-2267335 Fax: 04-2256621 Electra Abu Dhabi, Abu Dhabi Tel : 02-6778077 Fax: 02-6776602 Tekab, Sharjah Tel : 06-5352900 Fax: 06-5352260 Sharcab, Sharjah Tel : 06-5330031 Fax: 06-5337375 Oman Cables, Muscat Tel : (968)626464 Fax: (968) 626096 Gulf Cables, Dubai Tel : 04-2674449 Fax: 06-5742857 National Cable Industry, Sharjah Tel : 06-5311888 Fax: 06-5642857 Hisham EL Sawedy Trdg. Co Tel : 04-2626605 Fax: 04-2626608 Energya Cables Intl. Tel : 06-5262887 Fax: 06-5262886




Ref. 12/ /30501101 dtd.16/03/2012

ACR4SSearchabb004



PROJECTS DEPARTMENT-CENTRAL <i>Support Facility Projects Division</i> REVIEW OF CONTRACTOR'S SUBMITTAL		 نقل الكهرباء National Grid SA	
Submittal No. :	C-P-00137-CR -0143 R2	Date :	12.03.2012G
CONTRACT No.: 11031134/00 BUDGET ITEM No.: PROJECT TITLE : Construction of S/S 8832, 8173, 8907 & 9030 Ext. & 8076 Ext.		CONTRACTOR : ABB CONT. CO. JOB ORDER No.:	
To: ABB CONT., CO.		From : Div. Manager, SFPD Riyadh, North Office, Takhasosi St. Tel : (01) 484-3333/14404 Fax : (01) 217-1628	
ACCEPTANCE OF THE FOLLOWING SUBMITTAL IS HEREBY REQUESTED: Check in the <input type="checkbox"/> Drawings / <input checked="" type="checkbox"/> Materials / <input type="checkbox"/> Test Reports <input type="checkbox"/> Others (Specify) Appropriate Box: <u>Sketches</u> <u>Equipment</u>			
FILL-UP APPLICABLE INFORMATION BELOW: Description : S/S 8832, 8173, 8907 & Ext. of S/S 8076 - Earthing Cable 1 x 240 mm2 <div style="text-align: center;">for Approval</div> Reference Specification : _____ Manufacturer/Supplier : _____ Vendor Address : _____ Expected Delivery Time : _____			
COMPLYING WITH SCOPE OF WORK AND TECHNICAL SPECIFICATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF "NO" INDICATE DEVIATIONS : (Provide justification and attach supporting documents)			
(Contractor) Submitted by : Project Manager Signature : _____ Name : Engr. Faisal Nasrat Pharaon Date : 12.03.2012G		(SEC) Received by : Project Engineer, SFPD Signature :  Name : Engr. A. Ramos Date : 12.03.2012G	
FOR SEC USE ONLY			
NG HAVE REVIEWED THE ABOVE SUBMITTAL AND FOUND IT: <input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Acceptable As Noted <input type="checkbox"/> Not Acceptable (Resubmit) <input checked="" type="checkbox"/> Provide Additional Information <input checked="" type="checkbox"/> See Remarks		REMARKS : The submittal had been reviewed and our comments are as below. 1. The reference standard shall be according to IEC60228 & shall be mentioned in the TDS. 2. The number of strands shall be 61.	
Group Leader , Support Facility Projects Div. Signature :  Name : Eng'r/ Eid Al-Otaibi Our Ref.: 12/6419/303013 Date: 21/03/2012G		(Contractor) Received by :  Signature : _____ Name : _____ Date : Mar 26, 2012	
NOTE : Acceptance does not release the Contractor from his responsibilities in performing the work in strict conformance with Contract, Scope of Work and Technical Specifications.			

Ref. 12/ /30501101 dtd.16/03/2012

ACR4SSearhabb004

PROJECTS DEPARTMENT-CENTRAL Support Facility Projects Division REVIEW OF CONTRACTOR'S SUBMITTAL		 نقل الكهرباء National Grid	
Submittal No. :	C-P-00137-CR -0143 R2	Date :	12.03.2012G
CONTRACT No. : 11031134/00		CONTRACTOR : ABB CONT. CO.	
BUDGET ITEM No. :		JOB ORDER No. :	
PROJECT TITLE : Construction of S/S 8832, 8173, 8907 & 9030 Ext. & 8076 Ext.			
To: ABB CONT., CO.		From : Div. Manager, SFPD Riyadh, North Office, Takhasosi St. Tel : (01) 464-3333/14404 Fax : (01) 217-1628	
ACCEPTANCE OF THE FOLLOWING SUBMITTAL IS HEREBY REQUESTED:			
Check in the <input type="checkbox"/> Drawings / <input checked="" type="checkbox"/> Materials / <input type="checkbox"/> Test Reports <input type="checkbox"/> Others (Specify) Appropriate Box: <input type="checkbox"/> Sketches <input checked="" type="checkbox"/> Equipment			
FILL-UP APPLICABLE INFORMATION BELOW:			
Description :	S/S 8832, 8173, 8907 & Ext. of S/S 8076 - Earthing Cable 1 x 240 mm2		
	for Approval		
Reference Specification :			
Manufacturer/Supplier :			
Vendor Address :			
Expected Delivery Time :			
COMPLYING WITH SCOPE OF WORK AND TECHNICAL SPECIFICATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF "NO" INDICATE DEVIATIONS : (Provide justification and attach supporting documents)			
(Contractor) Submitted by : Project Manager Signature : _____ Name : Engr. Faisal Nasrat Pharaon Date : 12.03.2012G		(SEC) Received by : Project Engineer, SFPD Signature :  Name : Engr. A. Ramos Date : 12.03.2012G	
FOR SEC USE ONLY			
NG HAVE REVIEWED THE ABOVE SUBMITTAL AND FOUND IT: <input type="checkbox"/> Acceptable <input checked="" type="checkbox"/> Acceptable As Noted <input type="checkbox"/> Not Acceptable (Resubmit) <input checked="" type="checkbox"/> Provide Additional Information <input checked="" type="checkbox"/> See Remarks		REMARKS : The submittal had been reviewed and our comments are as below. 1. The reference standard shall be according to IEC60228 & shall be mentioned in the TDS. 2. The number of strands shall be 61.	
Group Leader, Support Facility Projects Div. Signature :  Name : Eng'r/ Eid Al-Otaibi Our Ref.: 12/6419/303013 Date: 21/03/2012G		(Contractor) Received by Signature : _____ Name : _____ Date : _____	
NOTE : Acceptance does not release the Contractor from his responsibilities in performing the work in strict conformance with Contract, Scope of Work and Technical Specifications.			

Review of Contractor's Submittal (CSPD)

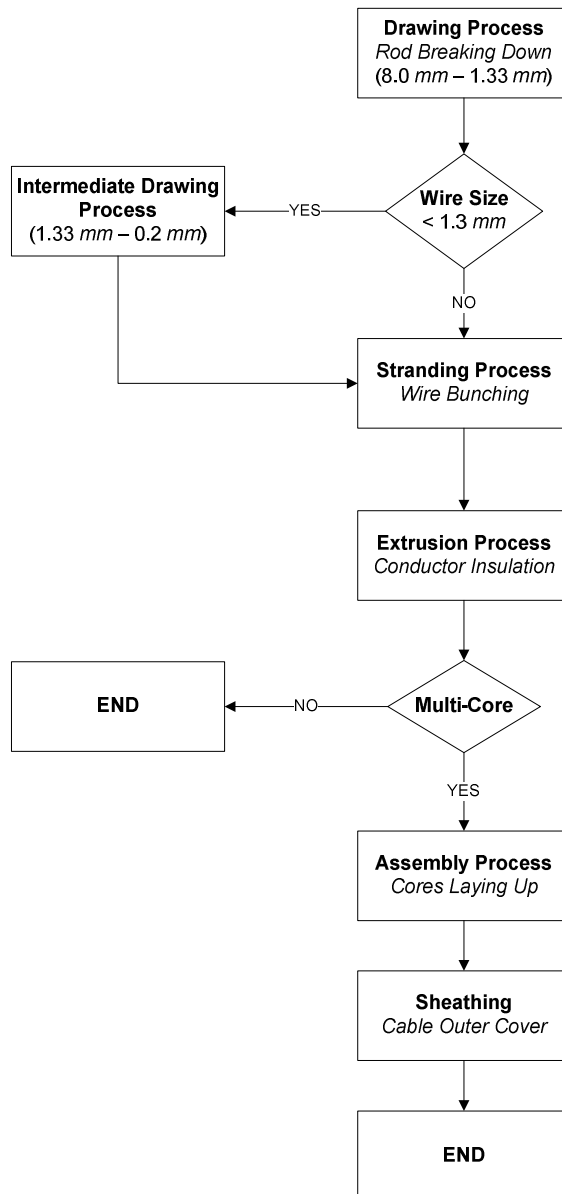
PROJECTS DEPARTMENT-CENTRAL Support Facility Projects Division REVIEW OF CONTRACTOR'S SUBMITTAL		 نقل الكهرباء National Grid SA	
Submittal No. :	C-P-00137-0143 R2	Date :	Mar. 12, 2012
CONTRACT No.:	11031134/00	CONTRACTOR :	ABB Contracting Co., Ltd.
BUDGET ITEM No.:		JOB ORDER No.:	
PROJECT TITLE : Construction of Buraydah S/S 8832, Rayyan S/S 8173, Hail S/S 8907 & S/S 9030, Extn. Jiliah S/S 8076			
To : Div. Manager, SFPD Riyadh, North Office, Takhasosi St. Tel : (01) 464-3333/14417 Fax : (01) 217-1628		From : ABB Contracting Co., Ltd. P.O Box 91926 Riyadh 11643, KSA	
ACCEPTANCE OF THE FOLLOWING SUBMITTAL IS HEREBY REQUESTED: Check in the <input type="checkbox"/> Drawings / <input checked="" type="checkbox"/> Materials / <input type="checkbox"/> Test Reports <input type="checkbox"/> Others (Specify) Appropriate Box: <input type="checkbox"/> Sketches <input type="checkbox"/> Equipment			
FILL-UP APPLICABLE INFORMATION BELOW:			
Description :	Buraydah 8832, Rayyan 8173, Hail 8907 & Jiliah 8076		
	Jeddah Cable - 1 x 240mm ² Bare Copper Earthing Conductor.		
	- 1 CD Copy.		
Reference Specification :			
Manufacturer/Supplier :			
Vendor Address :			
Expected Delivery Time :			
COMPLYING WITH SCOPE OF WORK AND TECHNICAL SPECIFICATIONS? <input type="checkbox"/> YES <input type="checkbox"/> NO IF "NO" INDICATE DEVIATIONS : (Provide justification and attach supporting documents)			
(Contractor) Submitted by : Project Manager  Signature : Name : Engr. Faisal Nasrat Pharaon Date : Mar. 12, 2012		(NG) Received by : Project Engineer, SFPD Signature : Name : Apollinar Ramos Date :	
FOR SEC USE ONLY			
NG HAVE REVIEWED THE ABOVE SUBMITTAL AND FOUND IT: <input type="checkbox"/> Acceptable <input type="checkbox"/> Acceptable As Noted <input type="checkbox"/> Not Acceptable (Resubmit) <input type="checkbox"/> Provide Additional Information <input type="checkbox"/> See Attached Comments		REMARKS : Please use extra sheets if needed.	
Group Leader, Support Facility Projects Div. Signature : Name : Eng'r. Eid Al Otaibi Ref. : 12/ /303013 Date : / /2012		(Contractor) Received by Signature : Name : Date :	
NOTE : Acceptance does not release the Contractor from his responsibilities in performing the work in strict conformance with Contract, Scope of Work and Technical Specifications.			

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIALS SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE FOR APPROVAL					TRANSMITTAL NO : E003 /R1		NEW SUBMITTAL <input type="checkbox"/>		
					DATE : 03/07/2012		RE-SUBMITTAL <input type="checkbox"/>		
1. REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS									
Material <input type="checkbox"/> Shop Drawings <input type="checkbox"/> As built Drawings <input type="checkbox"/> Others <input type="checkbox"/>									
OWNER: GENERAL PRESIDENCY OF YOUTH WELFARE			CONSULTANT : TANMEIAH			CONTRACTORS: M&M United Co.		PROJECT MANAGER	
الرئاسة العامة لرعاية الشباب وكالة الشؤون الفنية			مكتب التنمية للاستشارات الهندسية			شركة الميم المتحدة المحدودة M&M UNITED COMPANY LTD.		Name: Eng. Mohd. Nasr Signature: _____ Date: 8/7/2012	
PROJECT NAME : ABHA SPORTS CLUB IN ABHA									
اسم المشروع : نادي ابها الرياضي بابها									
ITEM NO	DESCRIPTION OF ITEM SUBMITTED	DISCIPLINE	SPEC, BOQ & DWG REFERENCE	MFG. OR CONTR. SKETCH, DRAWING OR BROCHURE NO	NO OF COPIES	ACTION CODE			
1	POWER CABLE & WIRES	Elect	attached copy of specs., BOQ items included in miscellaneous electrical works						
	1- ENERGY (JEDDH CABLE) & WIRE			Sample & Catalogue	3	B			
	2- ALFANAR CABLE & WIRE			Sample & Catalogue	3	B			
	3- RIYADH CABLE & WIRE			Sample & Catalogue	3	B			
REMARKS:									
ENCLOSURES RETURNED (LIST BY ITEM NO) تم اعتماد مشروع لقياس الكابلات بأختصار ازل في مشروع شركة ابها كابلات تأليف شركة شركة الرياض الكابلات كاختبار ثالث في قسم القوائم بتداول الكميات ودراسات التغيير في خطة المصورة									
APPROVING AUTHORITY			RECEIVING DATE			DISCIPLINE			
CONSULTANT: TANMEIAH ENG'G. CONSULTANCY			CONSULTANT :						
NAME: _____									
TITLE: _____									
SIGNATURE: _____ DATE: 8/7/2012									
APPROVING AUTHORITY			ACTION CODE						
OWNER: GENERAL PRESIDENCY OF YOUTH WELFARE									
NAME: _____									
TITLE: _____									
SIGNATURE: _____ DATE: _____									
			<input type="checkbox"/> A APPROVED AS SUBMITTED <input type="checkbox"/> B APPROVED EXCEPT AS NOTED ON DRAWINGS <input type="checkbox"/> C APPROVED EXCEPT AS NOTED ON DRAWINGS RESUBMIT <input type="checkbox"/> D DISAPPROVED			Architectural = ARCH Civil = CIVL Structural = STR Mechanical = MECH Electrical = ELEC Others			

15. MANUFACTURING STAGES

Flowchart of Manufacturing Stages

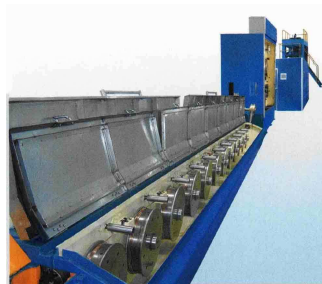
Manufacturing Process Single Cores & Multi Cores



16. MANUFACTURING PROCESS

a. ROD BREAK DOWN

Copper rod of diameter 8.0 mm is an input to first stage in the manufacturing process of building wires & Cables. This stage is called “Drawing Process” which is actually breaking down the copper rod diameter of 8.0 mm into a smaller diameter. This is achieved by passing the copper rod through a series of dies that are present in the drawing machine. The dies are submersed in a suitable lubricant (soapy water & oil) to prevent the dies from wearing out. Drawing process of copper rods run in parallel with a process called “Annealed Process”. Annealing is simply heating the copper wires to achieve softer temper (i.e. flexible) wires.



Drawing Machine

b. STRANDING AND BUNCHING

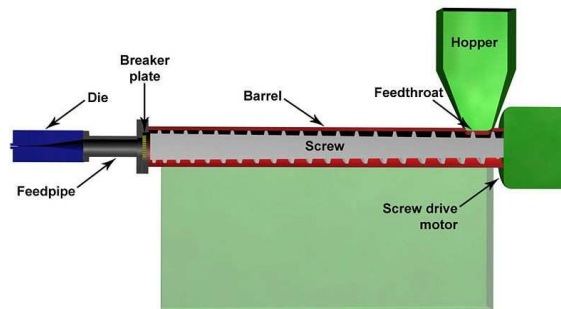
In “Stranding Process” wires are braided together forming the cable’s conductor. The process is done by applying several layers of wires on top of each other (in a circular manner). The advantage of doing this over leaving just a large solid conductor is added flexibility.



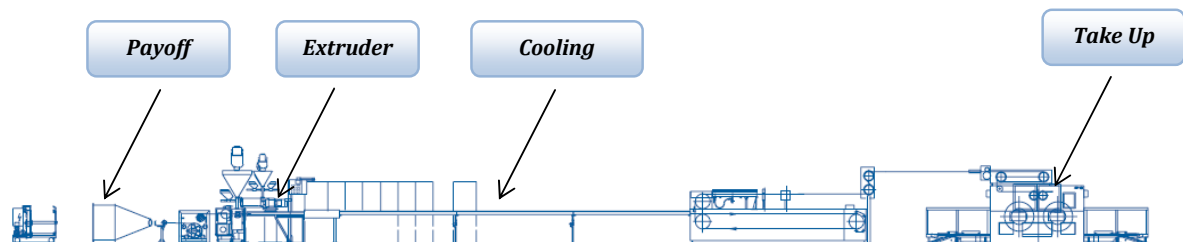
Stranding Machine

c. EXTRUSION

In “Extrusion Process” conductors are insulated with insulation material such as PVC & XLPE. The insulation layer serves as protection layer for the user, and also prevents phases from being in contact with each other in case multi-core cables. An extruder is the machine used to apply insulation on conductor. The insulation material granules are fed into the hopper that will then enter the barrel that has a rotating screw in it. The material is heated in the barrel and forced out to the die. At the die that material will be extruded on a conductor.



Extruder Basic Components

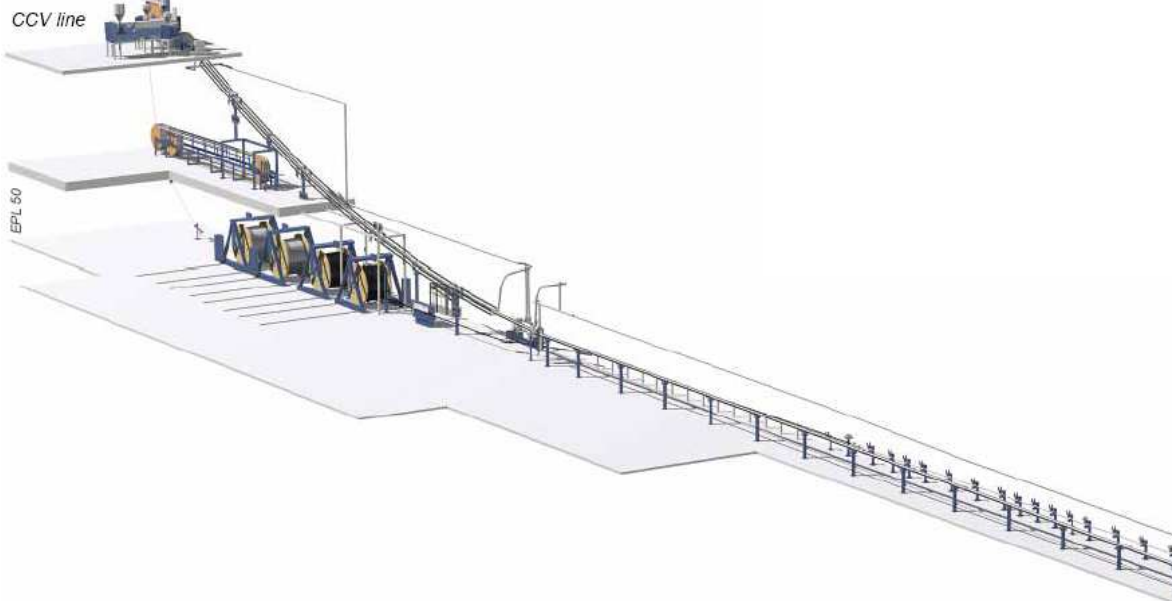


Extrusion Line Layout

Triple Extrusion for MV:

In the extrusion process of Medium Voltage cables three layers of insulation are extruded over the conductor simultaneously by means of triple extrusion. The three layers of insulation are as following, conductor shield (inner-semi conductor), insulation layer (XLPE), and insulation shield (inner semi conductor), respectively. Unlike low voltage cables where one extruder is used for the insulation layer, medium voltage cables are insulated with the presence of three extruders feeding one head. The triple extrusion process and curing

process of XLPE are all done on manufacturing process line known as the “Catenary Continuous Vulcanization LINE” CCV line.



“Catenary Continuous Vulcanization LINE” CCV line

d. SCREENING:

As mentioned earlier, screen are usually either of copper wires or copper tape. In case of copper wires, the wires are spun around the previous (i.e. insulation) layer, than a copper tape is wrapped around the wires with a big gap percentage and is usually known as ‘Copper Open Helix Tape’. The purpose of this tape is to hold the wires together and have electrical continuity between all the wires as not all wires may be touching each other. The other type of screen are copper tape screen in which the copper tape is wrapped around the previous (i.e. insulation) layer with an overlap percentage.



Screening Machine



Copper Wires Screen with Open Helix Copper Tape



Copper Tape Screen with Overlap

e. ASSEMBLY

This is the process of placing several cores or phases together and putting non-hygroscopic “fillers” in the spaces to make the shape circular round. This is done in a spiral manner, with a designated lay length similar to that of stranding, using a laying up machine or drum twister. Everything is banded together with binder tape, which is wrapped around the assembled cores in a helix manner (with a certain % in overlap) to give a more compact shape-form.

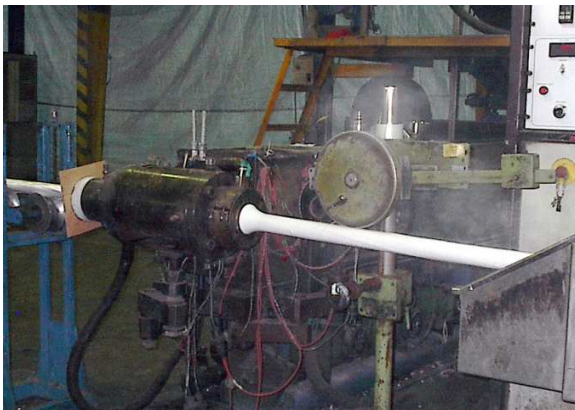




Assembly Machines

f. BEDDING

PVC or PE is extruded on top of the binder tape to protect the core insulation from the armoring that comes later on. In case there is no armoring, then there is no need for bedding if the size is small enough. Bedding is also known as “inner covering”.



Extrusion Components (PE & PVC)

g. ARMORING

It consists of steel wires or steel Tapes in case of multi-core cable, Aluminum wires & Tapes are used for armoring in case of a single core cable, Both wrapped around the bedding in a helix (for the tape) and with certain lay length for the wires.

Armor Layer Provide a Mechanical protection for the cores against shocks & external stress

- Steel tape armoring (Preferable to production & reduced cost)
- Steel wire armoring (added flexibility to the cable)
- Aluminum wire is used for armoring in case of a single core cable
- Armor can also play the role of the earth in circuit connections when made of steel wires



Armoring Machine

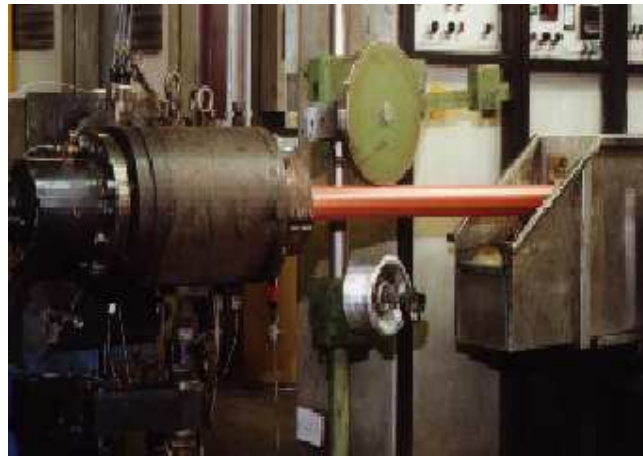
h. SHEATHING

Sheathing is the final stage in the manufacturing process of Cables & wires. In sheathing process an outer cover is extruded over the assembled cores giving the cable round shape. The sheathing process is similar to the insulation process in concept. Materials used for outer covering are usually PVC, LLDPE, LDPE, MDPE, LMDPE, HDPE or LSHF material.

NB: Flame retardant , ozone & ultraviolet ray retardant , petrol oils retardant, termite retardant available options.



Outer Sheath



Sheathing

17. QUALITY POLICY

Energya Cables, in all of its activities is committed to a policy of Total Quality. This is reflected in the Company's Mission and Quality Policy statements

Our Vision:

To become a world class company with a Global brand creating value in Cables manufacturing and Services.

Our Mission:

To become first choice Cables suppliers, globally.

We are the best partner to our customers in development and growth. We also endeavor to create value to everyone who does business with us.

We believe that the future of the company rests with our commitment to Quality. Our customers should know that we offer not only the highest quality products at competitive prices, but also our interaction with them is efficiently and responsibly conducted.

"Customer Satisfaction" is our aim; so all **Energya Cables** employees are responsible to produce high quality products that meet the customer specification and requirements. In doing so each employee is required to adhere to safety standards and maintain a safe working environment. Each employee is also mandated to maintain a very high level of environmental conservation to protect the health of others and prevent any sort of environmental pollutions at all times.

Quality Objectives have been established in each department to measure the efficiency of each process and to identify the areas/processes that need correction or improvement. We are committed to meet the company objectives and retain and satisfy our customers.

The Quality Committee was organized as the authorized fact-finding body composed of top management to conduct reviews and oversee the continuous process of improving the company quality systems as per the requirements of ISO 9001:2008.

18. QUALITY QA/QC

During their long journey in the factory, the cables are subject to a thorough test procedures and qualifications. These tests include

- 1- Raw Material Inspection
- 2- In-Process Inspection (Quality Control)
- 3- Finished Product Tests (Quality Assurance)

Raw Material Inspection

The raw materials are divided into two categories:

- A. New Raw material
- B. Existing Raw material

A. New Raw Material Testing:

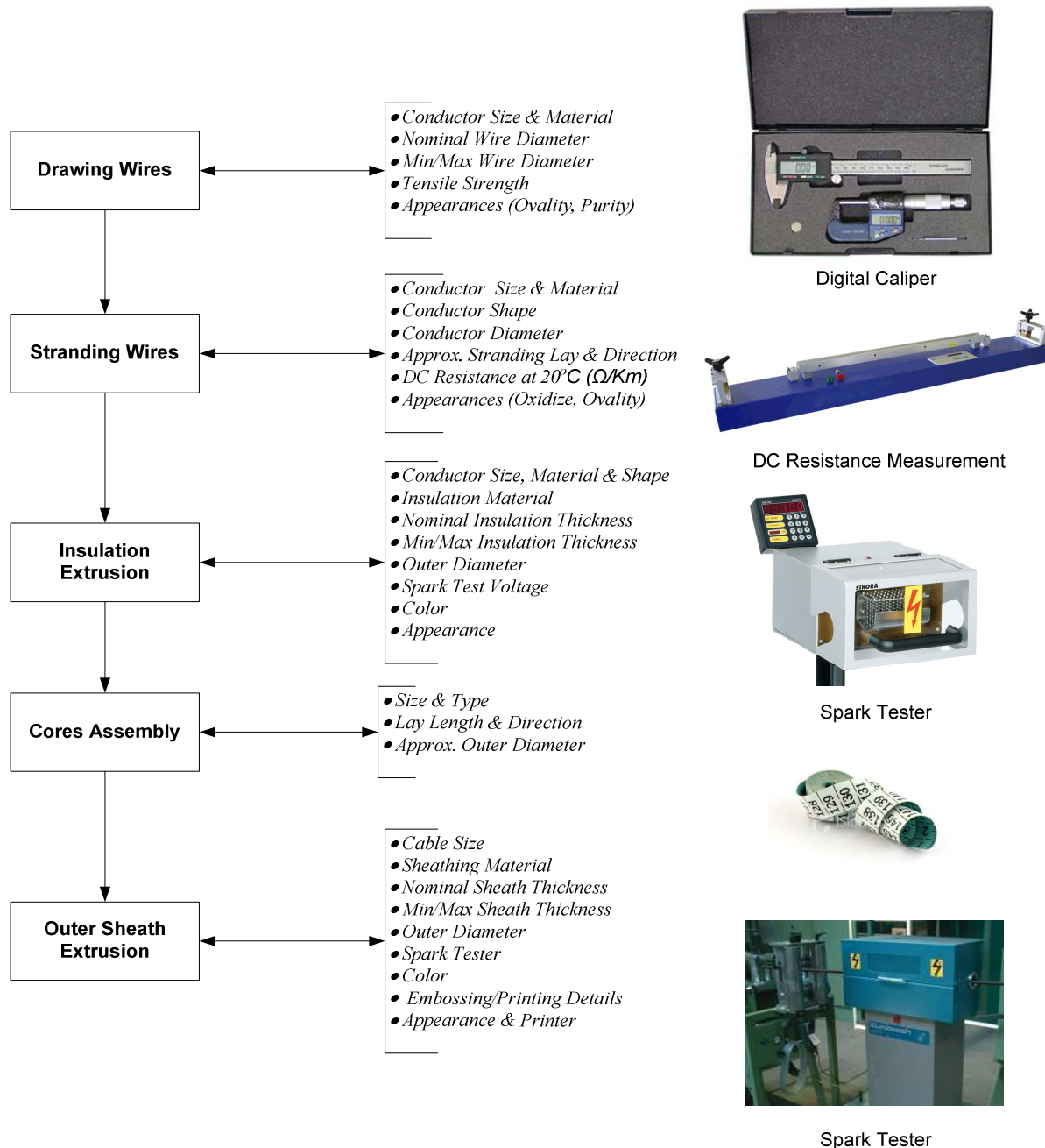
To approve the new raw material, a sample must be supplied for lab test and production trial test and must pass the trial tests. If the results are acceptable, product development department approves the new material and the vendor will be provisionally approved. If the provisionally approved Supplier supplies to Energya Cables three deliveries and the results of the inspection and operation are acceptable, the status of this supplier will change from provisionally approved supplier to approved supplier.

B. Existing Raw Material Inspection:

The existing Raw Materials have been tested and accepted before use in the production process. If the raw material does not meet Energya Cables Raw Material Standards, but the deficiencies (for example packing, weight) do not affect the product quality, the Laboratory head will hold this material. If the test results don't meet Energya Cables raw material standards and the failed test will affect the product quality (for example electrical or mechanical properties), the Laboratory head will reject the material.

In-Process Inspection (Quality Control):

Quality control test are those test performed during the manufacturing process and are compliant with those tests required by international standards such as conductor resistance test and mean overall dimensions test. The following flow chart gives an overview on the quality checks in the manufacturing process.



Our quality control department has inspection sheets for each stage in the manufacturing process; they keep record of all in process inspection sheets for any future referral.



Finished Product Tests (Quality Assurance)

Quality assurance tests are those tests that are performed on the final product/finished good. The quality assurance tests are compliant with those test requirements of international standards such as voltage test.



Our quality assurance department has cable final test reports that are kept as records that may be referred to in the future.

Based on the IEC and BS standards, 3 types of tests are carried out:

- A. **Routine Tests (R):** Tests made on all production lengths of cable to demonstrate their integrity.
- B. **Sample Tests (S):** Tests made on samples of completed cable, or components taken from a completed cable adequate to verify that the finished product meets the design specifications.
- C. **Type tests (T):** Tests required to be made before supplying a type of cable covered by the standard on a general commercial basis, in order to demonstrate satisfactory performance characteristics to meet the intended application.



High Voltage Test

19. HEALTH, SAFETY & ENVIRONMENTAL

HSE POLICY:

Energya Cables Company constantly places a high priority on both quality and doing the job right the first time. This concept is strengthened thanks to a continuous, companywide program that covers safety, health, environmental protection, quality control and productivity.

Instrument design, research & development and manufacturing all follow the strict ISO 9001 international quality standards. And we are committed to working towards the global ISO conformance, and using Quality Efficiency Indicators as benchmarking tools to track progress and ensure continuous improvement.

Energya Cables Company is committed to the health and safety of our employees, operating communities & locations and the natural environment. Our comprehensive HS&E policy focuses on prevention, accountability, communication and incident control while promoting a safe, healthy and productive working environment.

Energya Cables Company culture promotes respect for all aspects of our environment regardless of the geographic location, and makes every effort to minimize disturbance to natural ecosystems. We strive to decrease the use of hazardous chemicals and emissions in order to minimize our environmental impact. Extensive recycling has also been reinforced at all Energya Cables Company operational facilities and manufacturing units.



HSE OBJECTIVES:

The objectives of Energya Cables/Wires Company Health, Safety and Environment processes include:

Health:

- Providing and maintaining a healthy workplace
- Providing and maintaining equipment that match employee's job description
- Monitoring the employees health in places where their duties pose potential health risks
- Promoting a healthy lifestyle

Safety:

- Preventing accidents
- Providing and maintaining safe equipments
- Providing appropriate safety training
- Monitoring work activities and ensuring they are conducted safely

Environment:

- Minimizing negative impacts on environment
- Using energy efficiently
- Minimizing waste output
- Eliminating the use of ozone depleting substances
- Disposing of waste safely and properly
- Promoting the use of renewable resources
- Promoting the recycling of materials
- Practicing pollution-mitigation techniques

General:

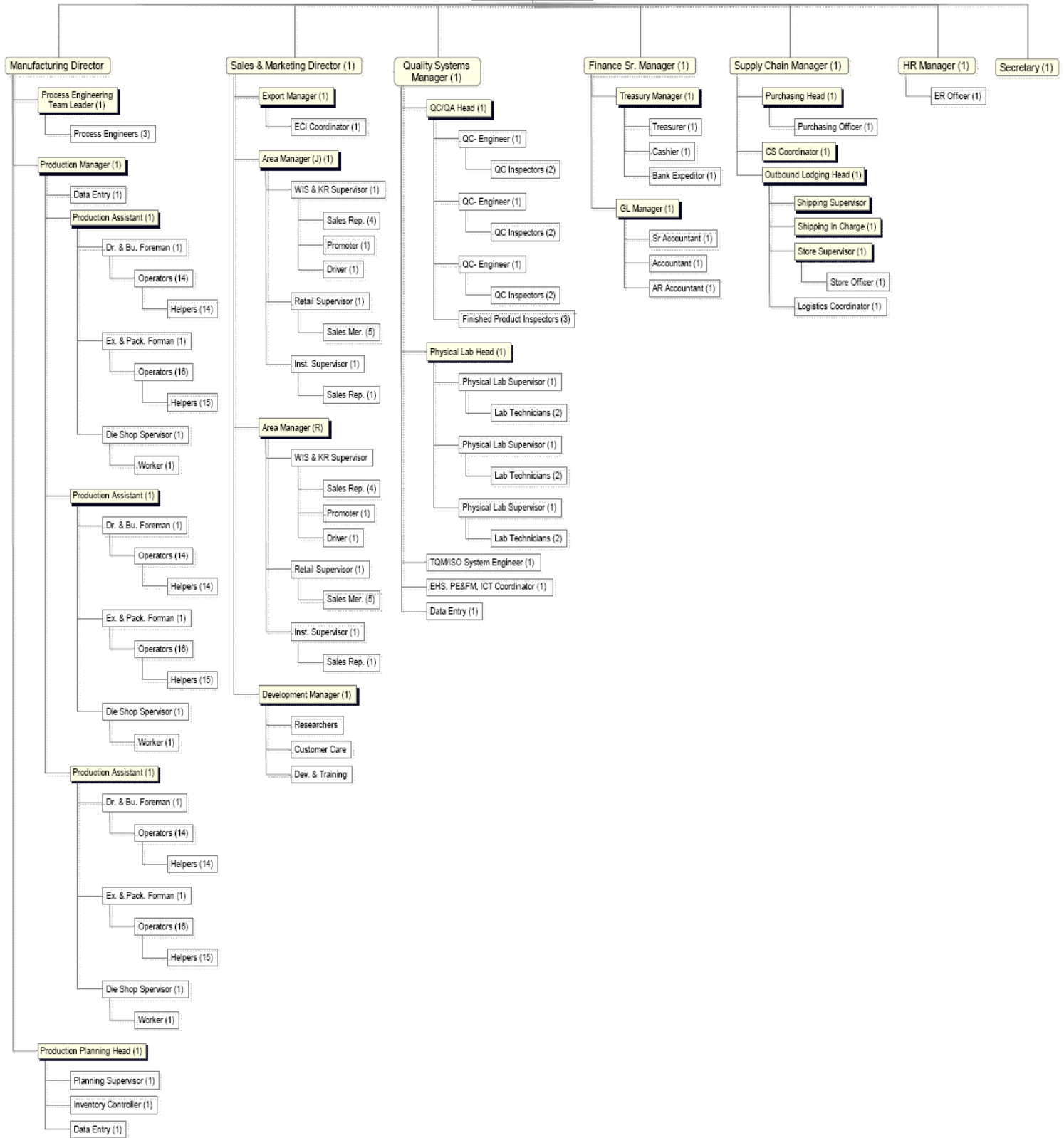
- Complying with applicable legal requirements
- Promoting free and open discussion on HSE matters

Energya Cables/Wires Company operates to a quality-based Health, Safety and Environment (HSE) Management System designed to involve all levels of management within its process. This HSE management system requires the active participation of all Energya Cables/Wires Company employees within its process of preventing illnesses & injuries and of protecting both the local and regional environment. Not to mention continuous improvement and feedback of HSE processes.

The responsibility for HSE issues follows the same organizational structure that controls the Company's day-to-day activities; therefore, HSE considerations are integral part of the nominal planning, implementing, reviewing and auditing processes.

20. ORGANIZATION CHARTS

Energya Wires GM



21. CUSTOMER LIST

Item	Name	City	State/Prov	Country
1	AL Rayan Exhibition	Al-Madinah	MADINAH	Saudi Arabia
2	Alkhlioy for electricity	Jeddah		Saudi Arabia
3	AlSukhman Establishment	Makkah	MEKKAH	Saudi Arabia
4	Hassan Saleh Saeed AL HArthi Est	Riyadh	RIYADH	Saudi Arabia
5	Rukn AL Daira For Trading establishment	Riyadh 11411	RIYADH	Saudi Arabia
6	AAMAL AL-KHOZAMI EST	RIYADH 16744	RIYADH	Saudi Arabia
7	ABB			Saudi Arabia
8	ABDUL AZIZ AL NAGAMSHI TRADING EST	Riyadh	RIYADH	Saudi Arabia
9	Abdul Aziz Ayed Rashid Allahibi	Al-Madina	AL-MADINA	Saudi Arabia
10	Abdul Rahman Mohamed Ali AlOwaad EST	Riyadh	RIYADH	Saudi Arabia
11	ABDULATIF MOHD. BAFIL EST	AL- Taif	MEKKAH	Saudi Arabia
12	Abdul-Aziz Al-Atrash Est.	Riyadh 21432	DAMMAM	Saudi Arabia
13	Abdulaziz Mohamed Al-Jouai EST	ALQASSIM	RIYADH	Saudi Arabia
14	Abdul-Hamid Salih Al-Awwad Est.	Riyadh	RIYADH	Saudi Arabia
15	Abdulkader Al-Hosary	Jizan	SOUTH	Saudi Arabia
16	Abdullah Turki AL Turki EST	Riyadh	QASSIM	Saudi Arabia
17	ABDULLAH ABDL RAHIM ALAMOUDI	Al-Taif	MEKKAH	Saudi Arabia
18	Abdullah Ahmed Al Nashreya Est	ALKONFEDA	SOUTH	Saudi Arabia
19	Abdullah Ali AlSeariy Trading	Jeddah		Saudi Arabia
20	Abdullah Hamdi Elharbi	Makkah	MEKKAH	Saudi Arabia
21	Abdullah Safr Al Ghamdi EST	Tabuk	TABUK	Saudi Arabia
22	Abdullah Salih AL Mahdi Est	Al-Madinah	MADINAH	Saudi Arabia
23	Abdul-Rahman Al-Awwad	Riyadh	RIYADH	Saudi Arabia
24	Abdulrahman Motlaq Est.	RIYADH	QASSIM	Saudi Arabia
25	AbdulRahman Saeed Ahmed AlRafae	Makkah	MEKKAH	Saudi Arabia
26	Aboul-Ezz Helmi	Jeddah		Saudi Arabia
27	Abu Bakar Bin Buna Est	Al-Madinah	MADINAH	Saudi Arabia
28	Abu Faisal Al-Jouf	Tabuk	JEDDAH	Saudi Arabia
29	Abu Zaid Est.	Jeddah	JEDDAH	Saudi Arabia
30	Abu-Khuda'a	Khamis Mushait	SOUTH	Saudi Arabia
31	Adwa AL Amaree	Al-Madinah	MADINAH	Saudi Arabia
32	Adwah Al-Arabia For Trading Est	Riyadh	RIYADH	Saudi Arabia
33	Ahmad Sweleh Al Zahrani	Jeddah		Saudi Arabia
34	Ahmed Abdullah Ahmed Al Agory Alkanany EST	Jeddah	JEDDAH	Saudi Arabia
35	Ahmed Ali Ahmed	Mahayel Aseer	SOUTH	Saudi Arabia
36	Ahmed Al-Nady Est.	Arar	ARAR	Saudi Arabia
37	Al Amoudi for Trading Est	Al-Madinah	MADINAH	Saudi Arabia
38	AL Attas EST	MAKKAH	MEKKAH	Saudi Arabia
39	AL BELBESY EST	RIYADH KSA	RIYADH	Saudi Arabia
40	Al Gyoom	Jeddah		Saudi Arabia
41	Al Hazmi EST	Ar'ar		Saudi Arabia
42	Al Mansoor	JEDDAH	JEDDAH	Saudi Arabia
43	Al Masyeh Cable Factory	Jeddah		Saudi Arabia
44	Al Nakhbah Trading	Jeddah		Saudi Arabia
45	Al Oksor Est . for Electricity	Jeddah	JEDDAH	Saudi Arabia
46	Al Radadi For Trading Est	Al-Madinah	MADINAH	Saudi Arabia

47	Al Rkaiz Modern for constructions Company Ltd.	Jeddah	JEDDAH	Saudi Arabia
48	Al Rokn AlMashed for Founding and Electricity	Riyadh	RIYADH	Saudi Arabia
49	Al Thajjaj EST	Khamis mushait	SOUTH	Saudi Arabia
50	Al-Amreya	Arar	JEDDAH	Saudi Arabia
51	ALANDLASIA FOR TRADING EST	RIYADH	RIYADH	Saudi Arabia
52	AL-BANDR FOR ELECTRICTY EST	JEDDAH	JEDDAH	Saudi Arabia
53	Al-Bourdge co.	Riyadh 30046	DAMMAM	Saudi Arabia
54	Al-Ekhaa Centre for maintenance and cleaning	Jeddah	JEDDAH	Saudi Arabia
55	AlFAHD CO for Trading,Industry&Contracting,	AlQassim	QASSIM	Saudi Arabia
56	Al-Faozan	Jeddah	JEDDAH	Saudi Arabia
57	Algahzih EST	Riyadh	RIYADH	Saudi Arabia
58	Al-Ghosn Est.	Riyadh	RIYADH	Saudi Arabia
59	Al-Gomla Al-Momayaz	Jizan	SOUTH	Saudi Arabia
60	Al-Gomla Al-Togary	Al-Gooz	SOUTH	Saudi Arabia
61	Al-Gomla Al-Togary Konfoda	Konfoda	SOUTH	Saudi Arabia
62	Al-Gouyom	Jeddah	JEDDAH	Saudi Arabia
63	Al-Hamedy Trading Est.	Ar'ar	TABBOUK	Saudi Arabia
64	Al-Haramain Co. for commerce & contracting	Jeddah	JEDDAH	Saudi Arabia
65	Ali Ahmed Ahmed AlZahrani Trading	Jeddah		Saudi Arabia
66	ALI ALSAADY EST	RIYADH	RIYADH	Saudi Arabia
67	Ali Salem Al Hamdy EST	Jizan		Saudi Arabia
68	Alkhaleg Exhibition	Jeddah	JEDDAH	Saudi Arabia
69	Al-Madinah Cables	Jeddah	JEDDAH	Saudi Arabia
70	Al-Madinah Campany	Riyadh	RIYADH	Saudi Arabia
71	Al-Mandomat For Trading Est.	Al-Taif	MEKKAH	Saudi Arabia
72	AL-Mohamady For Trading Est	Al-Madinah	MADINAH	Saudi Arabia
73	ALMORAD FOR ELECTRICTY EST	JEDDAH	JEDDAH	Saudi Arabia
74	Almoseha Wires Company	Riyadh	RIYADH	Saudi Arabia
75	AlMouneer Electricity Est.	Al Taif	MEKKAH	Saudi Arabia
76	AL-MOUSA For Electricity EST	Riyadh	RIYADH	Saudi Arabia
77	AL-MOUSA SPECIALIZED CABLES	RIYADH 11412	RIYADH	Saudi Arabia
78	AlQuretiya Trading Company	Riyadh 11492	RIYADH	Saudi Arabia
79	Al-Rajhi Construction. L.L.C.	Jeddah	JEDDAH	Saudi Arabia
80	Alrnf Establishment	Riyadh	RIYADH	Saudi Arabia
81	AL-Rodood Trading Est .	Jeddah	SOUTH	Saudi Arabia
82	AL-Samaha Alzabih For General Constraction EST	Jeddah	JEDDAH	Saudi Arabia
83	Al-Sameh Est.	Al-Kharj	RIYADH	Saudi Arabia
84	Al-Shamal Est.	Tabbouk	TABBOUK	Saudi Arabia
85	Al-Sherif Khedr	Jeddah	JEDDAH	Saudi Arabia
86	ALSOIGH FOR TRADING & ELECTRICTY EST	JEDDAH	JEDDAH	Saudi Arabia
87	Al-Sultan Est. for Electrierty	Riyadh	RIYADH	Saudi Arabia
88	Al-Tajhiz EST	Makkah	MEKKAH	Saudi Arabia
89	Althaghr For Trading Est .	Ranyah		Saudi Arabia
90	Al-Thajaj	Khameas Msheat	SOUTH	Saudi Arabia
91	ALthrya For Electric	Jeddah	JEDDAH	Saudi Arabia
92	Amir Mabrouk ALahyany	Makkah	MAKKAH	Saudi Arabia
93	Anarah Al Mamlikah Est Jizan	Jizan	SOUTH	Saudi Arabia
94	Anarah Al Mamlikah Est Sebia	Sebia	SOUTH	Saudi Arabia
95	Anwar Al-Jazeera	Jeddah	JEDDAH	Saudi Arabia
96	Arab Cables Specialized	Jeddah		Saudi Arabia

97	Arab Engineers Intrnational Ltd .Co. For Industria	Jeddah	JEDDAH	Saudi Arabia
98	Arab Technicians For Trading & Contracting	JEDDAH	JEDDAH	Saudi Arabia
99	Arabian Bemco Contracting co.	Jeddah	JEDDAH	Saudi Arabia
100	Arrab Al Jazeera Contracting Company	Riyadh	RIYADH	Saudi Arabia
101	Ata'ALLAH	Jeddah		Saudi Arabia
102	Att'ALLAH Sudan	Jeddah		Saudi Arabia
103	Awad Rafeyeh AL Fayed Est	Al-Madinah	MADINAH	Saudi Arabia
104	Bahadiq	MEKKAH	MEKKAH	Saudi Arabia
105	Bait Alnagf Walthoria	AL Taif	MEKKAH	Saudi Arabia
106	Bakhashab- Transport & Trading CO . Ltd	Jeddah	3769	Saudi Arabia
107	Ba-Manaa	Makkah	MAKKAH	Saudi Arabia
108	BAYAN NATIONAL TRADING CO	KUWAIT		Saudi Arabia
109	Bayt AL-Kahrbaa Est.	AL Taif	MEKKAH	Saudi Arabia
110	Bin Aoun	Jeddah	JEDDAH	Saudi Arabia
111	Bin Dajam	Khames Msheat	SOUTH	Saudi Arabia
112	BIN GAAFR FOR ELECTRIC EST	Makkah	MEKKAH	Saudi Arabia
113	Bin Jaber for Electricity Tools and Cnstruction MT	Jeddah	JEDDAH	Saudi Arabia
114	Bin Mahfoz EST	Jizan		Saudi Arabia
115	Business & Trading Company LTD -Watco	Al Kober	RIYADH	Saudi Arabia
116	CABLE FACTORY FUTURE	Riyadh	RIYADH	Saudi Arabia
117	CABLES WORLD	Riyadh	RIYADH	Saudi Arabia
118	Choose HI Quality Trading EST	Dammam	RIYADH	Saudi Arabia
119	Dar Kartaja Trd. Co.	Riyadh	RIYADH	Saudi Arabia
120	Durrat Bilaadi EST.CONT.	Riyadh	RIYADH	Saudi Arabia
121	EID SALMAN AL - AMOUDY EST.	MAKKAH	MEKKAH	Saudi Arabia
122	ELECTRIC WORLD	Riyadh KSA	DAMMAM	Saudi Arabia
123	Energya Plastics	Jeddah		Saudi Arabia
124	Enjaz Al-Rouad	jeddah	JEDDAH	Saudi Arabia
125	EXHIBITION ALHODA		MADINAH	Saudi Arabia
126	Fahd Abdullah Said Al mudaas Est.	Khamis Mishet	SOUTH	Saudi Arabia
127	Fahd Alawad Trading Est	Riyadh	RIYADH	Saudi Arabia
128	Fahd Morad Fahd Alhbshan For Trading Est.	Abha	SOUTH	Saudi Arabia
129	Faisal Hussain Al-Amoud Est.	Al-Taif	MEKKAH	Saudi Arabia
130	Faisal Nasser AL-Tamimi for Construction EST	Alkharj	RIYADH	Saudi Arabia
131	Farooq AL Jabri Shop	Makkah	MEKKAH	Saudi Arabia
132	Fayez Ali Abdo Qusaimi	Riyadh	RIYADH	Saudi Arabia
133	First Specially contracting	jeddah	JEDDAH	Saudi Arabia
134	GARZIZ EST (NADA ABDULLAH)	Al-Madinah	MADINAH	Saudi Arabia
135	GHARBI For Trading & Electricy Est	Jeddah	JEDDAH	Saudi Arabia
136	Gram allah Salem Darwish	Riyadh	RIYADH	Saudi Arabia
137	Gulf for Cables Factory	Riyadh	RIYADH	Saudi Arabia
138	Hachan Al Agami EST.	Al Kharj	RIYADH	Saudi Arabia
139	Hadi Salmen Balhamd Alnahdi Est	Jeddah	JEDDAH	Saudi Arabia
140	Hamah Riyadh	Riyadh	RIYADH	Saudi Arabia
141	Homed Hamed Almohamadi Est.	Jeddah	JEDDAH	Saudi Arabia
142	Ibdaa Cortoba Establishment	Riyadh	RIYADH	Saudi Arabia
143	Ibrahim AL Amaree EST	Al-Madinah	MADINAH	Saudi Arabia
144	Ibrahim Al-Mudaas Co.	Khamis Mushait	SOUTH	Saudi Arabia
145	Ibrahim Al-Nashry	Al-Gooz		Saudi Arabia
146	Ibrahim Khasran	Riyadh	RIYADH	Saudi Arabia

147	Jawdah Cables Factory	Riyadh	RIYADH	Saudi Arabia
148	Khaled Abdul Rahman Al Amoudy for Trading ,AST	Riyadh	RIYADH	Saudi Arabia
149	Khaled Al-Ghosn	Riyadh	RIYADH	Saudi Arabia
150	Khaled Faisal Al-Kathery	Riyadh 113322	RIYADH	Saudi Arabia
151	Khaled Nasr Alhashdi Est	Altaif	MEKKAH	Saudi Arabia
152	Khaled Omer Kahman	Riyadh	RIYADH	Saudi Arabia
153	Khubra Alkahraba Est	Riyadh	QASSIM	Saudi Arabia
154	Kingdom Lighting for Trading Est.	Jizan	SOUTH	Saudi Arabia
155	Kitad Contractors Est	Al-madinah	MADINAH	Saudi Arabia
156	KWABIL SAUDI ARABIA CO	Riyadh	RIYADH	Saudi Arabia
157	Loulou AL Hijaz EST	Riyadh	RIYADH	Saudi Arabia
158	M. Pangandaman		JEDDAH	Saudi Arabia
159	MADAR ALTAREK FOR TRADING EST	RIYADH 35258	RIYADH	Saudi Arabia
160	Mahfooz Al-Dawly	Jizan	SOUTH	Saudi Arabia
161	Mahmoud Hassan Albana	Riyadh	RIYADH	Saudi Arabia
162	Mahmoud Hassan Matwali	Riyadh	RIYADH	Saudi Arabia
163	Manar United For constructuion Est	Makkah	MEKKAH	Saudi Arabia
164	Marai Husin Taleb EST	Riyadh	RIYADH	Saudi Arabia
165	Markaz Al Ja'adabi	Jazan		Saudi Arabia
166	Markaz Alaalame Almumaiez	Jizan		Saudi Arabia
167	Markaz Al-Janoub	Abu Arish		Saudi Arabia
168	Markz Mahfuz Almomayz	Jizan		Saudi Arabia
169	MAWARID ALKAHRABA EST	Riyadh 11541	RIYADH	Saudi Arabia
170	Mefrh Al-Monajam	Najran		Saudi Arabia
171	Middle East Corner For Trading	Riyadh 351112	RIYADH	Saudi Arabia
172	Middle East Corner South	Khamis Mushayt		Saudi Arabia
173	Middle East Electric Meter Factory co.	Jeddah		Saudi Arabia
174	Middle of the Electricity and lighting	Al-Kharj	RIYADH	Saudi Arabia
175	Modern Oceans Est	Jeddah	JEDDAH	Saudi Arabia
176	Mohamed Ali Saeed Ghabichy Al Ghamdi,Blue Electric	Jeddah	JEDDAH	Saudi Arabia
177	Mohamed Al-Mudaas	Khamis	SOUTH	Saudi Arabia
178	Mohamed Al-Zarae	Sakaka	JEDDAH	Saudi Arabia
179	Mohamed Osman Baheg	Tabbouk	TABBOUK	Saudi Arabia
180	Mohammed Bin Ajlan Trede EST	Riyadh	RIYADH	Saudi Arabia
181	Mohammed Hassan AL Ahmdy	Jeddah	JEDDAH	Saudi Arabia
182	Mohammed Mohammed Saleh Mohammed Shaarawy EST	Jeddah	JEDDAH	Saudi Arabia
183	Mohammed Salem Alkathemy Est	Jeddah	JEDDAH	Saudi Arabia
184	Mohammed Salih Ali Twireb Est	Riyadh KSA	QASSIM	Saudi Arabia
185	Mohammed Shikh Aboud Alamoudi	Jeddah	JEDDAH	Saudi Arabia
186	Mohd. Saleem Alharbi EST		JEDDAH	Saudi Arabia
187	mona Al_Attas	Makkah	MEKKAH	Saudi Arabia
188	MONEER ABU AL-SAUD EST.	Riyadh KSA	DAMMAM	Saudi Arabia
189	Najd Est.	Riyadh KSA	QASSIM	Saudi Arabia
190	Nasem Alandlus For Trading Est	Riyadh 1642	RIYADH	Saudi Arabia
191	Nashy Hegely	Al-Madinah	MADINAH	Saudi Arabia
192	National Company For Wries & Cables	Jeddah		Saudi Arabia
193	Noor Al-Shomoe Est.	Khames Msheat	SOUTH	Saudi Arabia
194	Office Abdullah Al olyan	Riyadh 11499	RIYADH	Saudi Arabia
195	Omair Al-Leheany	Makkah	MAKKAH	Saudi Arabia
196	Omar Abdul-Karim - Al-Adeb ctr.	Makkah	MEKKAH	Saudi Arabia

197	Rawad Al Yarrmook Trading Est	Riyadh	RIYADH	Saudi Arabia
198	Riyada AL Salam For Trading EST.	Jeddah		Saudi Arabia
199	Roaze House EST	Riyadh	RIYADH	Saudi Arabia
200	Rokn Al-Sharq Al-Awsat	Khamis Mushait	SOUTH	Saudi Arabia
201	Rwafid AL Alamiayh EST	Riyadh 11682	RIYADH	Saudi Arabia
202	Rweed Alqamah	Riyadh	RIYADH	Saudi Arabia
203	SABC ENTERPRISES EST	Riyadh	RIYADH	Saudi Arabia
204	Safa	Jeddah	JEDDAH	Saudi Arabia
205	Sakny Establishment	AlMadinah		Saudi Arabia
206	Salem Said Ba-Fakir Est.	Riyadh	RIYADH	Saudi Arabia
207	Salim BaWazer	Makkah	MEKKAH	Saudi Arabia
208	Salma Belqaysem Al-Gharbi Est.	AL-Qunfedah	SOUTH	Saudi Arabia
209	Sama Al Madinah	Al-Madinah	MADINAH	Saudi Arabia
210	Samer Yousef Ahmed	Riyadh	RIYADH	Saudi Arabia
211	Sand Orouba EST	Riyadh	RIYADH	Saudi Arabia
212	Saud AbdulHameed Al Saedy Company	Makkah	MEKKAH	Saudi Arabia
213	Saud Alsayed Est	Makkah	MEKKAH	Saudi Arabia
214	Shabbab Bin Mohamed Bin Shabbab	Riyadh	RIYADH	Saudi Arabia
215	Sherif Khedr	Jeddah	JEDDAH	Saudi Arabia
216	Sighaa Bint Rowaished	Riyadh	RIYADH	Saudi Arabia
217	SOAFY AL RIYADH EST FOR TRADING	Riyadh 270701	RIYADH	Saudi Arabia
218	Suliman Al-Robiaa International Group	RIYADH 11514	RIYADH	Saudi Arabia
219	Transport - Omar Ben Saad OTEX Riyadh	Riyadh	RIYADH	Saudi Arabia
220	Transport - Saudi Catering & Contracting Company			Saudi Arabia
221	Transport- Ibrahim Hassan Al-Idressi Est	Jeddah		Saudi Arabia
222	Transport Shomous			Saudi Arabia
223	Transporter - Omer bin M. A. Saad Est.			Saudi Arabia
224	Tristar	Jeddah	JEDDAH	Saudi Arabia
225	Turky Al-Sherif	Jeddah	JEDDAH	Saudi Arabia
226	Wafaa Al-Anzy Est.	Al-Kharj	RIYADH	Saudi Arabia
227	Wared Transport Co. Ltd	Jeddah	JEDDAH	Saudi Arabia
228	Wholesale Exhibition	GIZAN	SOUTH	Saudi Arabia
229	Yahia Abd Rabh Alsabi	Riyadh 517	RIYADH	Saudi Arabia
230	YAHIA ABDRABOH SALEM AL MASAIBY	Riyadh KSA	RIYADH	Saudi Arabia
231	Yasir for Electricity	Makkah	MEKKAH	Saudi Arabia
232	Yousif Aljhni Est	Makkah	MEKKAH	Saudi Arabia

22. FACTORY LOCATION MAP





Factory Location: Energya Wires Factory is located in Rabigh Industrial Area, which is almost 140 KM away from Jeddah.

23. ENERGYA CABLES IN PICTURES



Building Wire - Rabigh Plant



Plastics (PVC) - Rabigh Plant



Administration Office - Rabigh Plant



