

*You request, we deliver.*

 **ELKA**



## ABOUT US

### **Tradition**

The ELKA company, which was established in 1927 in Zagreb, bases its business on tradition, skill and vision. We expertly answer to market needs, develop new products and implement modern technologies and materials. We are very proud of our 87-years of successful business which obliges us to continue to maintain the high standards that we have set.

### **What we do**

As locally and globally active company in the cable industry, ELKA puts effort at the center of its business and offers a comprehensive range of cables and cable system solutions.

By offering innovative, high quality products, we are creating added value for our customers and end users through increased productivity, more security and stability and overall constantly improved quality.

Our focus is on the sectors of energy infrastructure, industry, construction and telecommunication solutions with wide variety of applications in fields of energy transmissions, railway infrastructure, ships and aeroplanes constructions, electronics industry, handling and automation.

### **Why ELKA**

Being the largest manufacturer in electrical cables in this part of Europe, we have built our reputation on quality products, the creation of new developmental programs and innovation in technology and materials, all with aims of achieving customer satisfaction. We have our own development centre and research laboratory with modern equipment and highly skilled experts that guarantee the high quality of the end products. You request, we deliver. Simple as that.

### **Who we are**

ELKA is a leading cable producing company at the markets of Western Balkans. A strategic goal of ELKA is maintaining a leading position at the mentioned markets, as well as expanding business activities, especially to western and new markets.

Constant dynamic growth is, and will be the result of our activities towards the needs of our customers and expectations of shareholders and employees.

The Vision of ELKA is to remain a cable company, interested in vertical and horizontal expansion, aiming at competitiveness increase. Vision, strategy and goals are based upon our values and beliefs: quality, engineering, service, flexibility, ethics and orientation towards objectives and results.

### **ELKA today**

Nowadays ELKA has got approx. 300 employees and realizes the annual revenue of 65 mil. €. Our central plant in Zagreb cover the area of 140.000 m<sup>2</sup>, whereof 45.000 m<sup>2</sup> of built-up area. Our yearly output capacities support a production of 19.000 tons of finished products.

For more than 85 years ELKA has created new development programs and realized successful sales not only on domestic market, but also abroad. ELKA is presented world-wide at well-known fairs, arousing attention and realizing numerous successful partner relationships, owing to its experienced and high-educated specialists and investment into new and modernization of current capacities.

# **19.000 t** output



## **COMPARATIVE ADVANTAGE**

### **Research & development**

We at ELKA are constantly searching for new ways of increasing the performance and security of our cables and ensuring that they can be adapted in line with specific potential applications. ELKA considers its Research & Development activities to be fundamental for the company's growth. A large number of registered patents and ongoing investments are proof of the company's commitment and success in this area. The recognised quality and reliability of its products, and the reduction in the cost of materials and processes are other important objectives achieved through our constant investments in R & D.

### **Quality and environmental management**

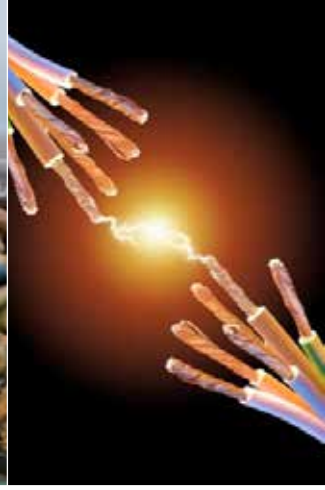
Continuing more than 85 years of presence in the production of electrical insulated conductors and cables, we want to sustain also in future a high quality of our products and services, securing thus our position and reputation both at home market and abroad so all of our processes are harmonized with ISO 9001 standards. Our attention is always focused at the requirements and the needs of our clients and we are doing our best to fulfill them completely and at competitive prices.

ELKA shall manage with responsibility the environmental protection, adopting the system harmonised with HRN EN ISO 14001 standard, in accordance with legal regulations and other requests applicable to the area of its activity.

*established in*  
**1927**

The already developed system of environmental management shall be maintained through internal audits of environment, with the assistance of an authorised, internationally recognised certification company. Our commitment towards prevention of pollution through maintenance of the highest grade of control over the environmental aspects in the processes of design, production and development of final product shall reduce the possible impact on the environment. The Company's commitment is to use ecologically acceptable technologies and processes aimed towards prevention of the pollution of environment, specially in the fields of ground release and water control, what is conforming with the set goals of environmental management.

**300**  
*employees*



Implementation of aluminum into power installations

Power cables and lines with PVC insulation

Telephone cables for telephone exchanges and local networks with PVC and PE insulation

Production of Fiber optic cables

**History**

**1940**

**1951**

**1970**

**1988**

**1927**

**1947**

**1966**

**1977**

**1996**

Foundation of Elka

Enameled and dynamo wire; shipboard cables with rubber insulation and lead sheath

Moved to new factory on Žitnjak.

MV cables (10 kV) with PVC insulation

LV and MV power cables from 1kV up to 30kV with cross-linked polyethylene insulation

Halogen free flame-retardant and fire-resistant shipboard cables





Cross-linking of MV cables insulation by dry procedure (in nitrogen)

New generation of xDSL pair telecommunications cables with improved transmission characteristics

Started the production of new generation of flame retardant and fire resistant shipboard cables.

Produced and certified new constructions of cables for civil engineering

Produced cable for distribution in solar power plants

**1997**

**2004**

**2006**

**2009**

**2011**

**2001**

**2005**

**2007**

**2010**

**...**

Development and certification of almost all power and communications cables for British Rails

Medium voltage 20 kV cable with possibility of optimization of cable's transmission power by measurement of cable's temperature. Successfully completed testing, production and delivery of fiber optic nonmetal self-supporting ADSS antiballistic cable



Elka has constructed a cable for Končar wind power unit of 1000 kVA power.

Constructed a special medium voltage power cable acc. to the British Railways standard.

Put into operation a new line for production of MV and HV cables; produced and certified a new HV 64/110 kV cable;








## Power Cables - High Voltage

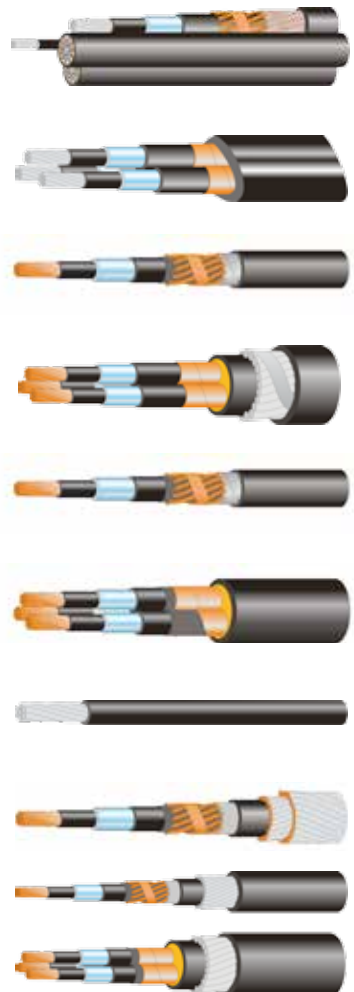
Product line	International standards	Notes
2XS(F)2Y, A2XS(F)2Y	IEC 60840	110 kV* 
2XS(FL)2Y, A2XS(FL)2Y	IEC 60840	110 kV* 

\* up to 132 kV on request



## Power Cables - Medium Voltage



Product line	International standards	Notes
XHP 48/0-A, XHE 48/0-A	IEC 60502-2	6/10, 12/20, 20.8/36 kV
XHE 48/0, XHE 48/0-Ay	IEC 60502-2	12/20 kV
N2XSY, NA2XSY	DIN VDE 0276T 620	6/10/12, 12/20/24 kV 
N2XSEYRY, NA2XSEYRY	IEC 60502-2	6/10/12 kV
N2XS(F)2Y, NA2XS(F)2Y	DIN VDE 0276T 620	6/10, 12/20, 18/30, 20.8/36 kV 
N2XS(FL)2Y, NA2XS(FL)2Y	DIN VDE 0276T 620	12/20, 18/30, 20.8/36 kV 
XLPE-Ay Tip 23, XLPE-Ay Tip27	SFS 5791	12/20 kV 
XHEh 91, XHEh 91-A	IEC 60502-2	6/10, 12/20, 20.8/36 kV 
XHE 46/29, XHE 49/24	IEC 60502-2	6/10, 12/20, 20.8/36 kV

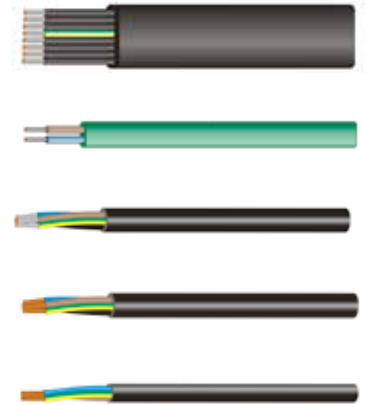


## Power Cables - Low Voltage






























Product line	International standards	Notes	
XP 41 XP 41-A	IEC 60502-1	Cu(Al)/XLPE/STA/PVC (IEC)	
XP 44 XP 44-A	IEC 60502-1, BS 5467	Cu(Al)/XLPE/SWA/PVC (IEC)	
N2XH	IEC 60502-1 DIN VDE 0266	Cu/XLPE/PO-HFRR (IEC)	
N2X2Y NA2X2Y	IEC 60502-1	Cu(Al)/XLPE/ PE (IEC)	
PP 41 PP 41-A	IEC 60502-1	Cu(Al)/PVC/STA/PVC (IEC)	 
N2XY, NA2XY	IEC 60502-1 DIN VDE 0276	(Cu(Al)/XLPE/PVC (IEC)	
FR-N1XD4-AR FR-N1XD9-AR FR-NFA2X	HRN HD 626 S1		
NYCY	IEC 60502-1 DIN VDE 0276	Cu/PVC/CC/ PVC (IEC)	 
PP 44 PP 44-A	IEC 60502-1 BS 6346	Cu(Al)/PVC/SWA/PVC (IEC, BS)	 
NY, NAY	IEC 60502-1 DIN VDE 0276	Cu(Al)/PVC/ PVC (IEC, BS)	 

## Rubber Insulated Cables And Conductors

Product line	International standards	Notes
DEpN/U-Y	ISE E003	
H05RNH2-F	VDE 0282	
H07BN4-F	BS 7919	638x-TQ (BS), class 5
H07RN-F	VDE 0282	Protective core option  <b>KONCAR INSTITUT</b> za elektrotehniku
H05RR-F	VDE 0282	Protective core option  <b>KONCAR INSTITUT</b> za elektrotehniku



## Shipboard And Offshore Cables

Product line	International standards	Notes
BXO-HFTG*	IEC 60092-350 IEC 60092-353	0.6/1 kV    
BXO-HFTG pt	IEC 60092-350 IEC 60092-353	
BXO-HFVO*	IEC 60092-350 IEC 60092-353	   
BXO-HFVO pt	IEC 60092-350 IEC 60092-353	 
BXOZO-HFTG*	IEC 60092-350 IEC 60092-353	  
BXOZO-HFVO*	IEC 60092-350 IEC 60092-353	  
BXZO-HFVO	IEC 60092-350 IEC 60092-353	  
BXZO-HFTG	IEC 60092-350 IEC 60092-353	  
TBX(Z1)OZO-HFTG*	IEC 60092-350 IEC 60092-353 IEC 60092-376	  
TBX(Z1)OZO-HFVO*	IEC 60092-350 IEC 60092-353 IEC 60092-376	  

\*tinned wire





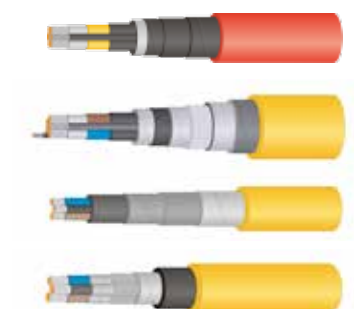
## Telecommunication Cables

Product line	International standards	Notes
J-H(St)H...Lg	VDE 0815	flame retardant IEC 60332-1
J-2Y(St)H	IEC 62255-2	TC-3POHFFR
A-02YF(L)2Y...	VDE 0816/Teil 1	TK-59, TD-59
A-02YF(L)2Y...xDSL	IEC 62255-3	TK-59 30MHz
A-02YF(L)2Y...	VDE 0816/Teil 1	TD 59-T
A-2YYBY	VDE 0816/Teil 2	SEZ



## Mining Cables

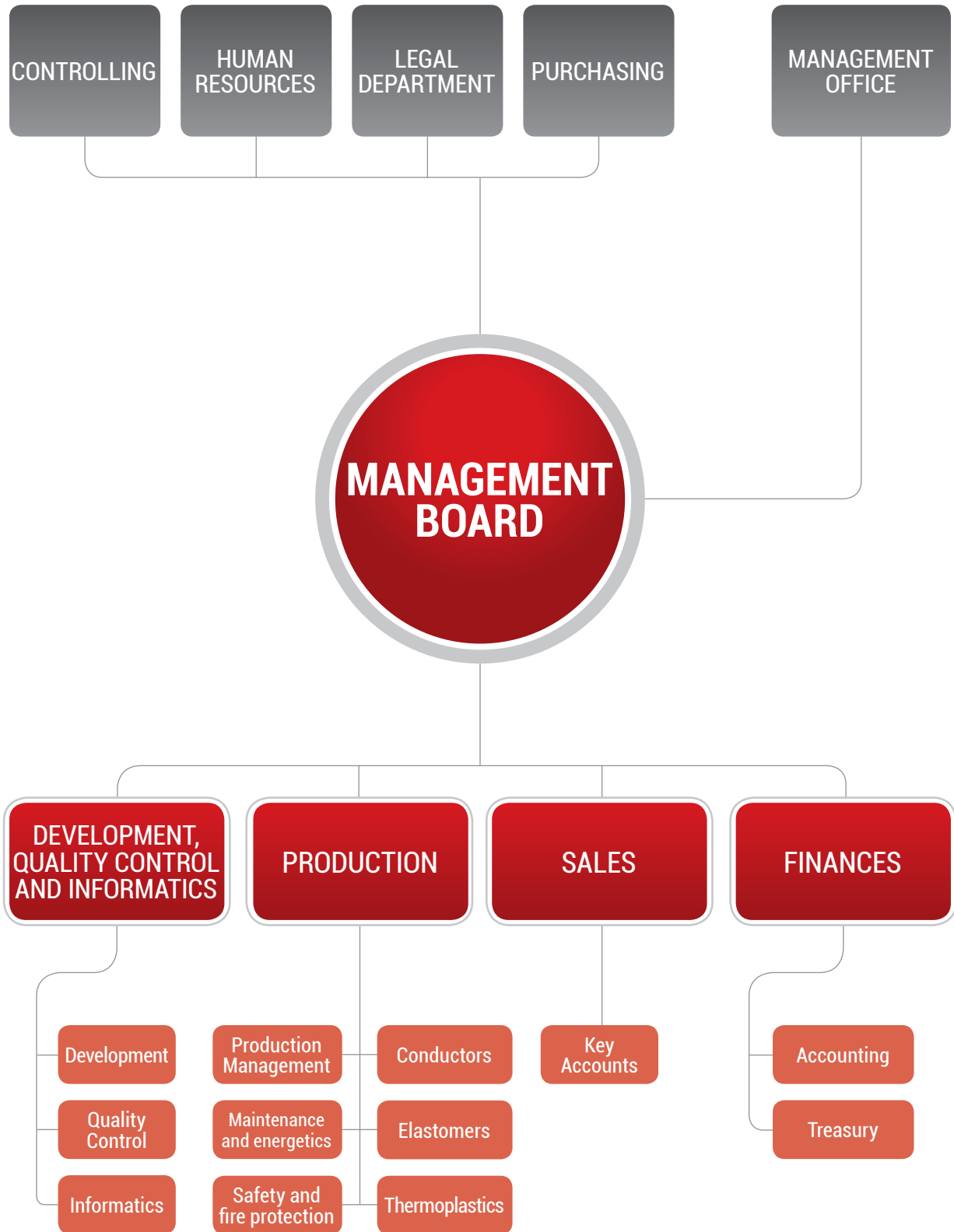
Product line	International standards	Notes
EpN 78	VDE 0250/Teil 813	NTSCGEWOU
EpN 63	VDE 0250/Teil 812	NSSHCGOU..KON + ST + UL, SIQ
EpN 55	VDE 0250/Teil 812	NSSHOU...KON, SIQ
EpN 53	VDE 0250/Teil 812	NSSHOU...+.../3E, SIQ



## Special Cables

If you need a specific cable or related product, simply call us and we will try to design it for you. Alternatively, you may be facing a technical challenge but not know about the possible products available to solve it. Once again, we can help. So the rule of thumb is simple, if you are not sure what it is or if we have it, call us; chances are we can get it for you.

# ORGANISATION

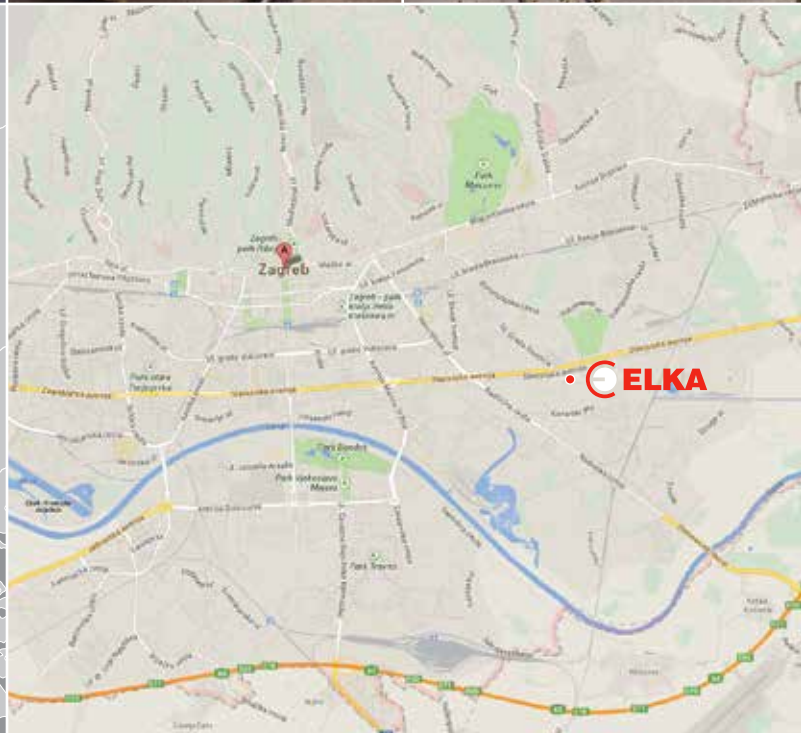


# CERTIFICATES

## *Quality is essence to our bussines.*

We make no compromises when it comes to quality which is guaranteed by both our strict in-house tests and top industry certication.





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