



 **ELKA**



Profil tvrtke • Company Profile

Elka: tradicija, iskustvo, vizija

80 godina tradicije

Osnovana 1927. godine u Zagrebu, Elka je tvrtka koja svoje poslovanje temelji na tradiciji, znanju i viziji. Suvereno odgovaramo na zahtjeve tržišta, razvijamo nove proizvode, primjenjujemo suvremene tehnologije i materijale. Vrlo smo ponosni na 80 godina uspješnog poslovanja koje nas obvezuje da zadržimo i dalje visoke standarde koje smo postavili.

Znanje u službi kupaca

Kao najveći proizvođač električnih kabela u ovom dijelu Europe, ugled smo stekli kvalitetom proizvoda, kreiranjem novih razvojnih programa, inovacijama u tehnologiji i materijalima, a sve u cilju postizanja zadovoljstva kupaca. Posjedujemo vlastiti razvojni centar i ispitne laboratorije sa suvremenom opremom i visoko stručnim osobljem što garantira visoku kvalitetu finalnih proizvoda.

Vizija - nova Elka

Temeljna poslovna načela naše tvrtke su kvaliteta proizvoda i usluga, prepoznavanje i zadovoljavanje potreba tržišta, poslovna etika i predanost, te stvaranje partnerskih odnosa sa kupcima. Poštivanjem tih načela ostvariti ćemo i svoju viziju: zadržati vodeće mjesto na domaćem i regionalnom tržištu uz još veće širenje na međunarodno tržište. Dinamičan rast ostvariti ćemo ulaganjem u nove kapacitete u projektu NOVA ELKA.





Elka: tradition, experience, vision

80-year tradition

The company Elka, 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 80 years of successful business, which obliges us to persist on maintaining the high standards that we have set.

Knowledge in customer services

Being the largest manufacturer of electrical cables in this part of Europe, we have built our reputation on quality products, creation of new development programs, and innovation in technology and materials, all with the aim 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.

Vision - the new Elka

The basic business principles of our company are quality of our products and services, recognition and satisfaction of market needs, business ethics and loyalty, and establishment of partnership relations with customers. By respecting these principles we will realise our vision: maintain the leading position on the local and regional markets as well as even greater expansion on international markets. We will generate dynamic growth through investments in new capacities in the NEW ELKA project.

Tehnološki razvoj

- 2007.** Konstruiran specijalni sredjenaponski energetski kabel prema standardu Britanskih željeznica. Uspješno razvijen i testiran Elkalex sa komunikacijskom paricom koji omogućuje daljinsku komunikaciju s električnim brojilima. Konstruiran kabel za Končarev vjetroagregat KO-VA 57/1 snage 1000 kVA.
- 2006.** Proizveden višenamjenski sredjenaponski energetski kabel pogodan za polaganje u zemlju, nad zemljom i pod vodom. Nova generacija teško gorivih i vatrootpornih brodskih kabela.
- 2005.** Proizveden sredjenaponski 20 kV kabel s mogućnošću optimizacija prijenosne snage kabela mjerenjem temperature kabela. Uspješno završeno testiranje, proizvodnja i isporuka svjetlovodnog nemetalnog samonosivog ADSS antibalističkog kabela.
- 2004.** Razvijena i testirana nova generacija xDSL paričnih telekomunikacijskih kabela s poboljšanim prijenosnim karakteristikama. Kabeli omogućavaju mnogo veću brzinu prijenosa podataka pomoću ADSL i VDSL tehnologije. Testirani i isporučeni specijalni bezhalogeni, teškogorivi i vatrootporni 1 kV BXO kabeli za tunele.
- 2001.** Razvoj i certifikacija gotovo svih energetskih i komunikacijskih kabela za Britanske željeznice.
- 1997.** Umreženje izolacije SN kabela suhim postupkom (u dušiku).
- 1996.** Počela proizvodnja brodskih bezhalogenih teško gorivih i vatrootpornih kabela.
- 1988.** Započela proizvodnja svjetlovodnih (optičkih) kabela i setova za magistralne, mjesne i interne mreže.
- 1977.** Puštanje u rad novih linija za kontinuiranu vulkanizaciju i početak proizvodnje niskonaponskih (do 1 kV) i sredjenaponskih (do 35 kV) kabela izoliranih umreženim polietilenom.
- 1970.** Usvojena je proizvodnja telekomunikacijskih kabela izoliranih termoplastikom za centrale i mjesne mreže, te su puštena u rad nova mikverska postrojenja za izradu gume.
- 1966.** Proizveden prvi 10 kV energetski kabel s aluminijskim vodičem i PVC izolacijom.
- 1951.** Razvijena je proizvodnja niskonaponskih vodova i kabela izoliranih termoplastičnim materijalima.
- 1947.** Proizvodni asortiman proširuje se na lakiranu i dinamo žicu, te brodske kabele s gumenom izolacijom i olovnim plaštem.
- 1940.** Uvođenje aluminija za vodiče energetskih kabela.
- 1927.** Osnovana je Elka - društvo za elektrotehniku i tvornica kabela d.d. Zagreb.

Technological development

- 2007** Constructed a special medium voltage power cable acc. to the British Railways standard. Successfully developed and tested Elkalex with communications pair enabling remote communication with electrical meters. Elka has constructed a cable for Končar wind power unit KO-VA 57/1 of 1000 kVA power.
- 2006** Production of multi-purpose medium voltage power cable suitable for laying in earth, over earth and under water. New generation of flame-retardant, fire-resistant shipboard cables.
- 2005** Production of medium voltage 20 kV cables with optimization of cable power transmission capability using thermal monitoring. Testing, production and supply of fiber-optic, non-metallic, self-supporting ADSS antiballistic cables successfully completed.
- 2004** Development and testing of new generation of xDSL pair telecommunications cables with improved transmission characteristics. The cables enable higher speeds of data transmission by means of ADSL and VDSL technologies. Testing and supply of halogen-free, fire-retardant and fire-resistant 1kV BXO cables for tunnels.
- 2001** Development and certification of almost all power and communications cables for British Railways.
- 1997** Cross-linking of MV cables by dry procedure (in nitrogen).
- 1996** Initiated production of halogen-free, fire-retardant and fire-resistant shipboard cables.
- 1988** Initiated production of fiber-optic (optical) cables and sets for main, local and international networks.
- 1977** Commissioning of new lines for permanent vulcanization. Initiated production of low voltage (up to 1 kV) and medium voltage (up to 35 kV) cables insulated by cross-linked polyethylene.
- 1970** Introduced production of telecommunications thermoplastic insulated cables for power stations and local networks. Commissioned new mixer plants for rubber production.
- 1966** Produced first 10 kV power cable with aluminum conductor and PVC insulation.
- 1951** Development and production of low voltage insulated conductors and cables insulated with thermoplastic materials.
- 1947** Production range expanded with enamelled and dynamo wire, as well as shipboard cables with rubber insulation and lead sheath.
- 1940** Introduction of aluminum for power cable conductors.
- 1927** Establishment of the company Elka for electrical engineering and cable factory d.d. Zagreb.

Upravljanje kvalitetom i upravljanje okolišem

Upravljanje kvalitetom

Politika i ciljevi kvalitete ostvaruju se sustavnim pristupom upravljanja kvalitetom prema zahtjevima norme ISO 9001. Sustav upravljanja kvalitetom provodi se u svim poslovnim procesima s ciljem osiguranja proizvoda i usluga koji ispunjavaju zahtjeve kupaca, pružaju sigurnost, pouzdanost i ekonomičnost u primjeni.

Upravljanje okolišem

Politika zaštite okoliša provodi se usvajanjem sustava ISO 14001, koji je certificiran 2002. godine. Za prevenciju zagađenja poduzimamo mjere smanjenja utjecaja na okoliš kroz održavanje najvišeg stupnja nadzora nad aspektima okoliša u procesima projektiranja, proizvodnje i izrade finalnog proizvoda. Naše opredjeljenje je korištenje ekološki prihvatljivih tehnologija i procesa.



Quality control and environmental management

Quality control

The quality policy and aims are realized through a systematic approach toward quality control according to the requirements set by ISO 9001 standards. The system of quality control is conducted in all business processes with the aims of ensuring products and services that fulfil customer requirements and offer safety, reliability and economy in their application.



Environmental management

The policy of environmental protection is implemented through the adoption of the ISO 14001 system, which was certified in 2002. For the prevention of pollution we undertake measures to reduce impacts on the environment by maintaining the highest level of monitoring on all the environmental aspects in the processes of design, development and production of the end products. Our commitment is to utilize ecologically acceptable technologies and processes.

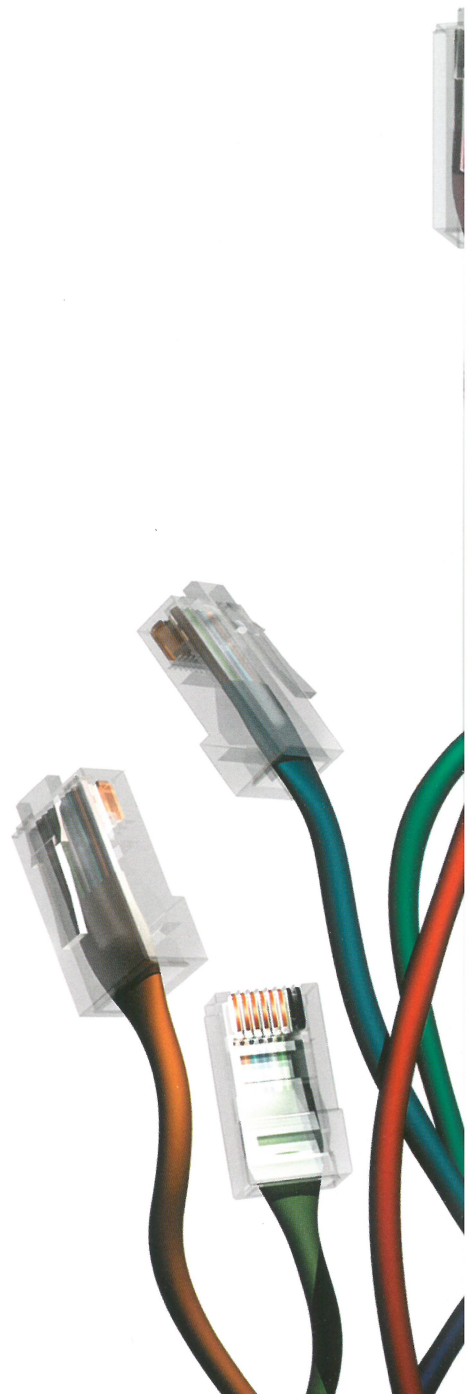


Elka danas

ELKA je danas tvrtka u 100% privatnom vlasništvu, sa oko 550 zaposlenih i godišnjim prihodom od 90 milijuna EUR. Središnja tvornica u Zagrebu i tvornica za proizvodnju aluminijske, alu-čelične i čelične užadi u Zadru zauzimaju površinu od 188.000 m². Godišnji kapacitet proizvodnje je 25.000 tona gotovih proizvoda, od čega 50% plasiramo na izvozna tržišta. Proizvodimo kabele prema nacionalnim i međunarodnim standardima, te prema tehničkim specifikacijama i zahtjevima kupaca. Naši kabele certificirani su prema slijedećim standardima DNV, VDE, LLOYDS, RINA, SIQ i CSR.

Povezane tvrtke

ELKAKON d.o.o., proizvodnja industrijskih vodiča, je zajednička tvrtka Elka kabela d.o.o. i Končara distributivnih i specijalnih transformatora - Končar D&ST d.d., u čijem temeljnom kapitalu tvrtke osnivači sudjeluju u jednakom omjeru. Proizvodni kapacitet Elkakona je oko 1150 tona godišnje.



Elka today

ELKA is today a company in 100% private ownership, with some 550 employees, and an annual turnover of 90 million EUR. The central factory in Zagreb and the factory for the production of aluminium, Al-steel and steel ropes in Zadar cover 188,000 m² of floor space. Our annual manufacturing capacity is 25,000 tons of finished products, of which 50% are placed on export markets. We manufacture cables according to national and international standards, and according to the technical specifications and demands of customers. Our cables are certified according to DNV, VDE, LLOYDS, RINA, SIQ and CSR standards.

Associated companies

ELKAKON Ltd. production of industrial conductors, is a joint company of Elka kabeli d.o.o. and Končar distribution and special transformers - Končar D&ST d.d. The establishing companies equally participate in Elkakon's base capital. The production capacity of Elkakon is some 1150 tons per annum.



Vodstvo tvrtke / Company management



Darko Belić

Direktor društva
Company Director

Tel: + 385 1 2370 786
Fax: + 385 1 2370 791
E-mail: darko.belic@elka.hr

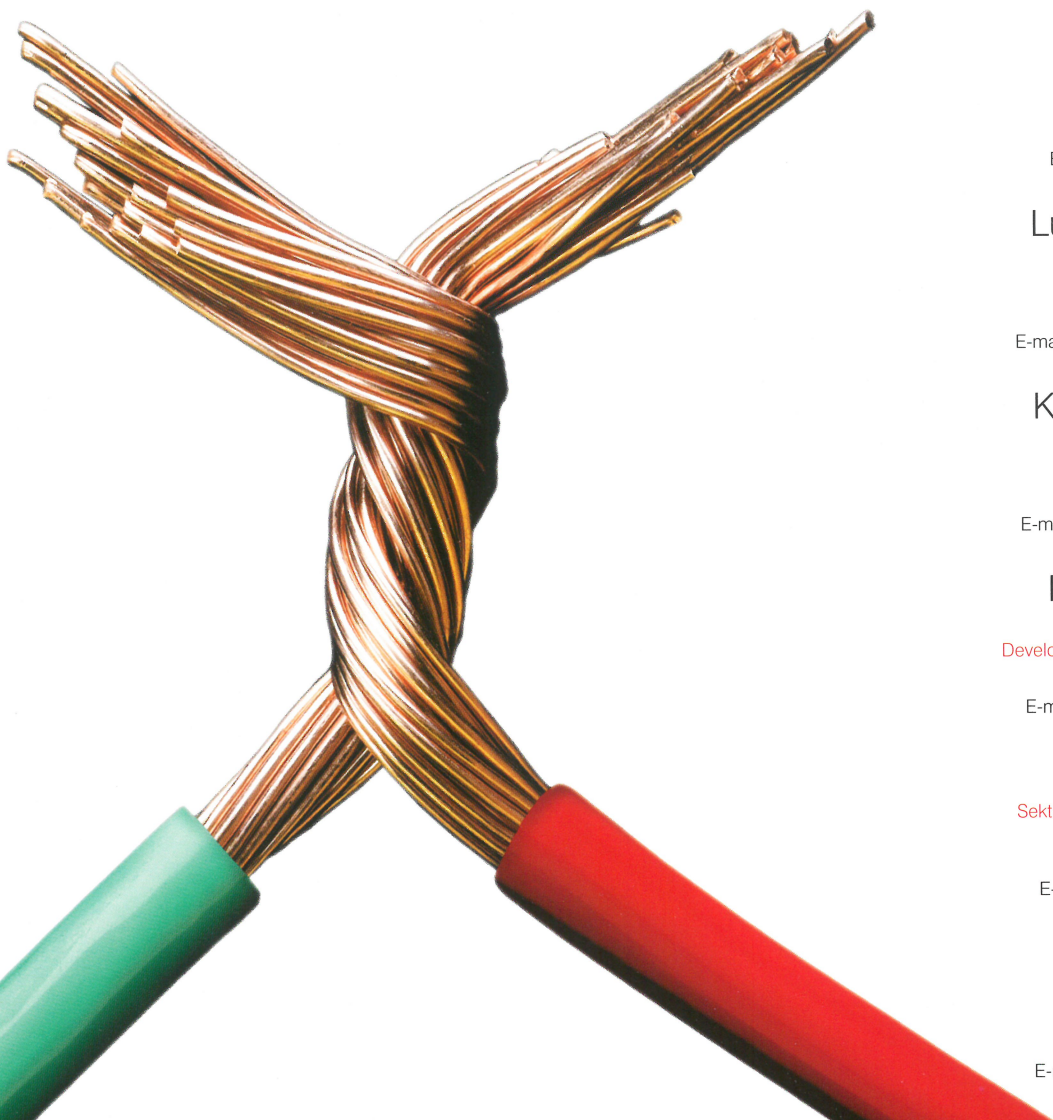


Ivan Meliš

Pomoćnik direktora za proizvodnju i razvoj
Production and Development Director's Assistant

Tel: + 385 1 2405 683
Fax: + 385 1 2370 791
E-mail: ivan.melis@elka.hr

Direktori sektora / Sector Directors



Ivan Meliš

Sektor proizvodnje
Production Sector

Tel: + 385 1 2405 683
E-mail: ivan.melis@elka.hr

Lukrecija Matić

Komercijalni sektor
Commercial Sector

Tel: + 385 1 2482 618
E-mail: lukrecija.matic@elka.hr

Karmen Rosan

Sektor financija
Financial Sector

Tel: + 385 1 2404 422
E-mail: karmen.rosan@elka.hr

Neven Krnjaja

Sektor razvoja i kontrole
Development and Control Sector

Tel: + 385 1 2409 482
E-mail: neven.krnjaja@elka.hr

Vlado Tabak

Sektor administrativne podrške
Administrative Sector

Tel: + 385 1 2404 431
E-mail: vlado.tabak@elka.hr

Boris Bjedov

Nova Elka
New Elka

Tel: + 385 1 2404 462
E-mail: boris.bjedov@elka.hr

Proizvodi

Niskonaponski energetske kabele do 1 kV
Srednjenaponski energetske kabele do 36 kV
Energetske kabele do 1 kV u samonosivoj izvedbi
Savitljivi i instalacijski vodovi i kabele izolirani termoplastima
i elastomerima
Brodski kabele
Teškogorivi i vatrootporni bezhalogeni kabele raznih namjena
Telekomunikacijski kabele
Svjetlovodni kabele
Signalno-upravljački i mjerni kabele
Vodovi i kabele za željeznička i tračna vozila
Rudarski kabele
Kabele za zavarivanje
Specijalni vodovi i kabele
Nadzemni vodiči od aluminija, alu-čelika i aluminijских legura
Čelična užad
Zaštitna užad sa svjetlovodnim nitima (OPGW)





Products

LV Power cables up to 1 kV

MV Power cables up to 36 kV

Self-supporting power cables up to 1 kV

Thermoplastic and elastomer insulated flexible and installation lines and cables

Shipboard cables

Flame-retardant and fire-resistant halogen free cables for different purposes

Telecommunications cables

Fibre optic cables

Signalling - control and measurement cables

Lines and cables for railway and track vehicles

Mining cables

Welding cables

Special lines and cables

Aluminium, Al-steel and Al-alloy overhead conductors

Steel ropes

Optical ground wire (OPGW)

Energetski kabe

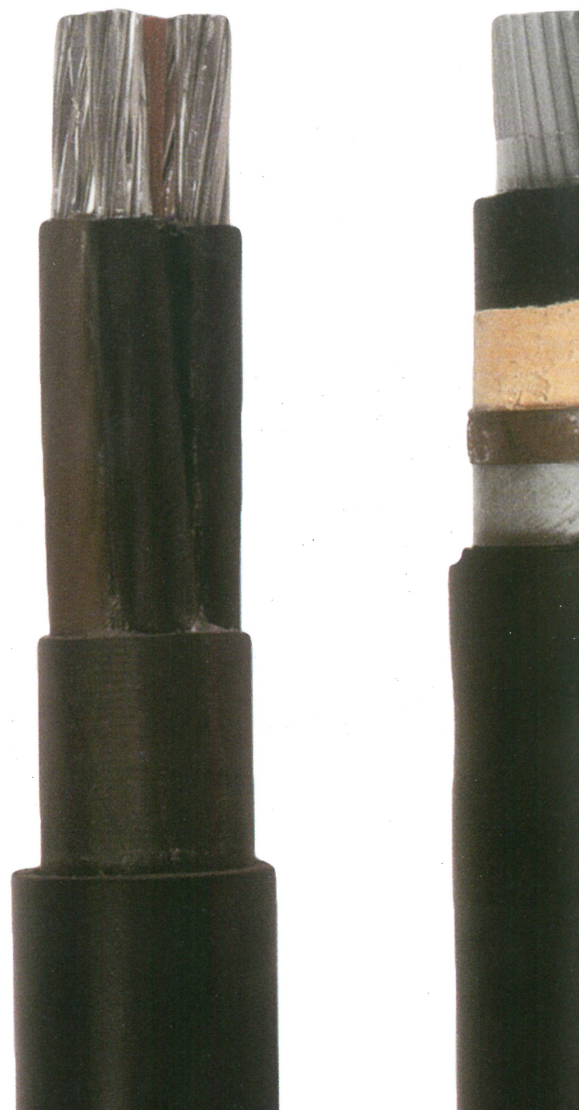
Energetski kabe proizvode se prema nacionalnim i internacionalnim normama, a namijenjeni su za prijenos energije u distributivnim i razvodnim mrežama, u industriji, brodogradnji, rudarstvu, željeznici i za kućne priključke. Ugrađuju se u prostore ugrožene eksplozivnim sastojcima i prostore gdje moraju osigurati neširenje požara ili gdje moraju zadržati funkciju u požaru (E90, E60, E30).

Razine napona: niskonaponski do 1 kV; srednjenaponski do 36 kV

Specijalne izvedbe i uporaba: rudarski; brodski; željeznički; aerodromski; teškogorivi, vatrootporni i bezhalogeni; samonosivi; podmorski; ALC - za grmljavinska područja; EMC - elektromagnetski kompatibilni

Standardi: IEC 60502; HD 603; HD 620 S1; HD 626 S1; EN 50264; IEC 60092-3; IEC 60092-350; IEC 60092-375; BS 5467; BS 6346; BS 6622; VDE 0250; VDE 0266; VDE 0271; VDE 0272; VDE 0273; HRN N.C5. 350.; HRN N.C5. 353.; HRN N.C5. 360.; HRN N.C5. 364.; HRN N.C5. 378.

Konstrukcija: Vodič: bakar, aluminij i legure aluminija (okrugli ili sektorski); Izolacija: XLPE, PVC, PO, EPR, HEPR, EPDM; Ekran: bakrene žice i/ili trake; Armatura: čelične ili aluminijske žice ili trake; Plašt: PVC, PE, CR, CSM, PO, PUR



Power cables

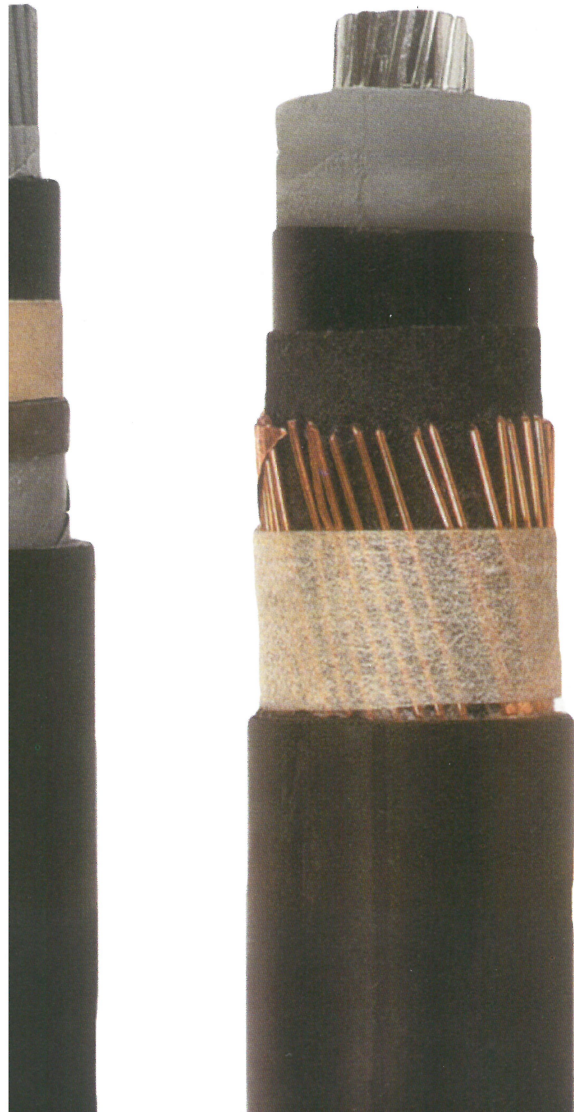
Power cables manufactured according to national and international standards, are applied for power transmission in electric-power networks and electric installations in industry, shipbuilding, mining, railways and household connections. They are fitted into areas exposed to explosion risk and the areas which should prevent flame propagation or maintain their function in case of fire (E90, E60, E30).

Voltage Ranges: low voltage up to 1 kV; medium voltage up to 36 kV

Special Versions and Application: mining; shipboard; railway; airport lighting; fire-retardant, fire-resistant and halogen-free; self-supporting; submarine; ALC- antilightning; EMC - electromagnetic compatibility

Standards: IEC 60502; HD 603; HD 620 S1; HD 626 S1; EN 50264; IEC 60092-3; IEC 60092-350; IEC 60092-375; BS 5467; BS 6346; BS 6622; VDE 0250; VDE 0266; VDE 0271; VDE 0272; VDE 0273; HRN N.C5. 350.; HRN N.C5. 353.; HRN N.C5. 360.; HRN N.C5. 364.; HRN N.C5. 378.

Construction: **Conductor:** copper, aluminium and aluminium alloy (round or sector shaped); **Insulation:** XLPE, PVC, PO, EPR, HEPR, EPDM; **Screen:** copper wires and/or tapes; **Armour:** steel or aluminium wires or tapes; **Sheath:** PVC, PE, CR, CSM, PO, PUR



Telekomunikacijski kabeli

Bakreni i svjetlovodni

Telekomunikacijski kabeli proizvode se prema nacionalnim i internacionalnim normama, a namijenjeni su za glavne, distribucijske i instalacijske telekomunikacijske mreže te za potrebe signalizacije, mjerenja, kontrole, računarske tehnike, elektroprivrede, željeznice, petrokemije, avio i vojne industrije.

Specijalne izvedbe i uporaba: samonosivi; podmorski; xDSL; spojni i završni; teško gorivi i bezhalogeni; antibalistički; OPGW

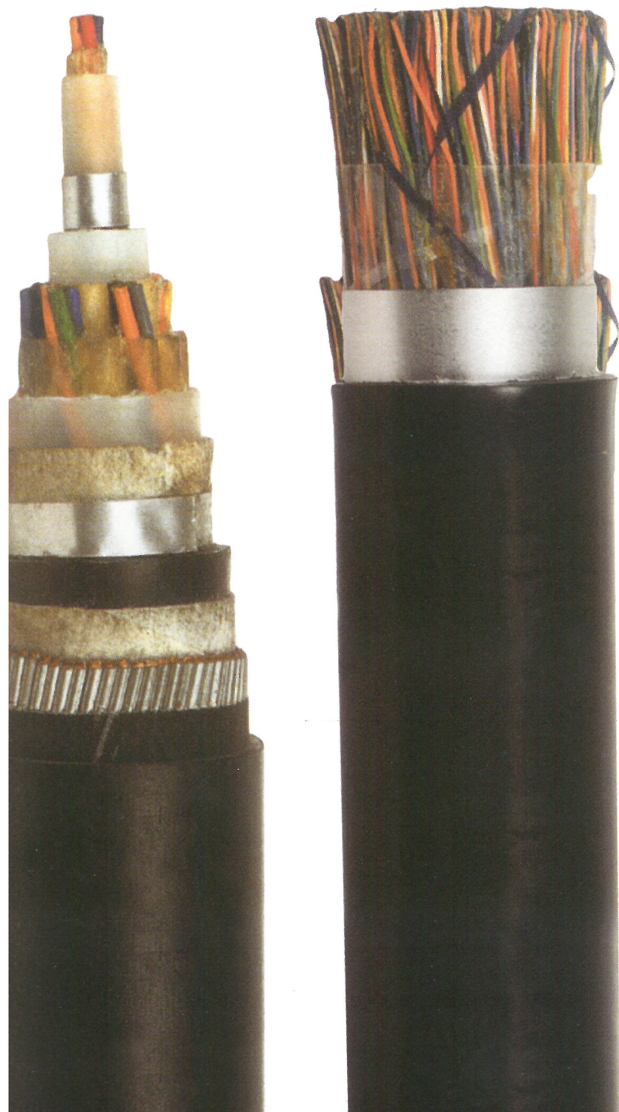
Standardi: IEC 60189; IEC 60708; IEC 60793; IEC 60794; IEC 61156; IEC 62255-3; VDE 0812; VDE 0813; VDE 0815; VDE 0818; VDE 0888; EIA/TIA-568; ITU-T G.650; ITU-T G.651; ITU-T G.652

Konstrukcija: Vodič: bakar, svjetlovodno vlakno (jednomodno, višemodno, PCS); Izolacija: PVC, PO, PP, PE (puni ili foam-skin); Jezgra: koncentrično ili grupno pouzjenje, punjena ili nepunjena; Nosivi dio: metal, nemetal; Armatura: metal, nemetal; Plašt: PVC, PO, PE, slojeviti PE (sa ili bez prepreke za vlagu)



Telecommunications cables

Copper and optical fiber



Telecommunications cables manufactured according to national and international specifications, are applied for main, distribution, division and installation networks as well as for signalling, measuring, control appliances, information technology, electric power and petrochemical industry, air craft and military industry.

Special Versions and Application: self-supporting; submarine; xDSL; custom cable assemblies; fire-retardant and halogen-free; antiballistic; OPGW

Standards: IEC 60189; IEC 60708; IEC 60793; IEC 60794; IEC 61156; IEC 62255-3; VDE 0812; VDE 0813; VDE 0815; VDE 0818; VDE 0888; EIA/TIA-568; ITU-T G.650; ITU-T G.651; ITU.T G.652

Construction: **Conductor:** copper, optical fiber (single-mode, multi-mode, PCS); **Insulation:** PVC, PO, PP, PE (solid or foam-skin); **Core:** concentric or group stranded fully filled or unfilled; **Supporter:** metal, non-metal; **Armour:** metal, non-metal; **Sheath:** PVC, PO, PE laminated PE (with or without moisture barrier)

Nadzemni vodiči, čelična užad i priveznice

Nadzemni vodiči namijenjeni su za nadzemne energetske vodove. Metalne priveznice i užad u širokoj su primjeni u raznim granama industrije (građevinarstvo, petrokemija, brodogradnja, rudarstvo itd.) za transportne i pričvršne svrhe.

Standardi: ASTM B 231; ASTM B 232; BS 215; CSA C49; DIN 48201; DIN 48204; EN 50182; IEC 1089; HRN N.C1.351

Konstrukcije: čelik, aluminij, legure aluminija i bakar

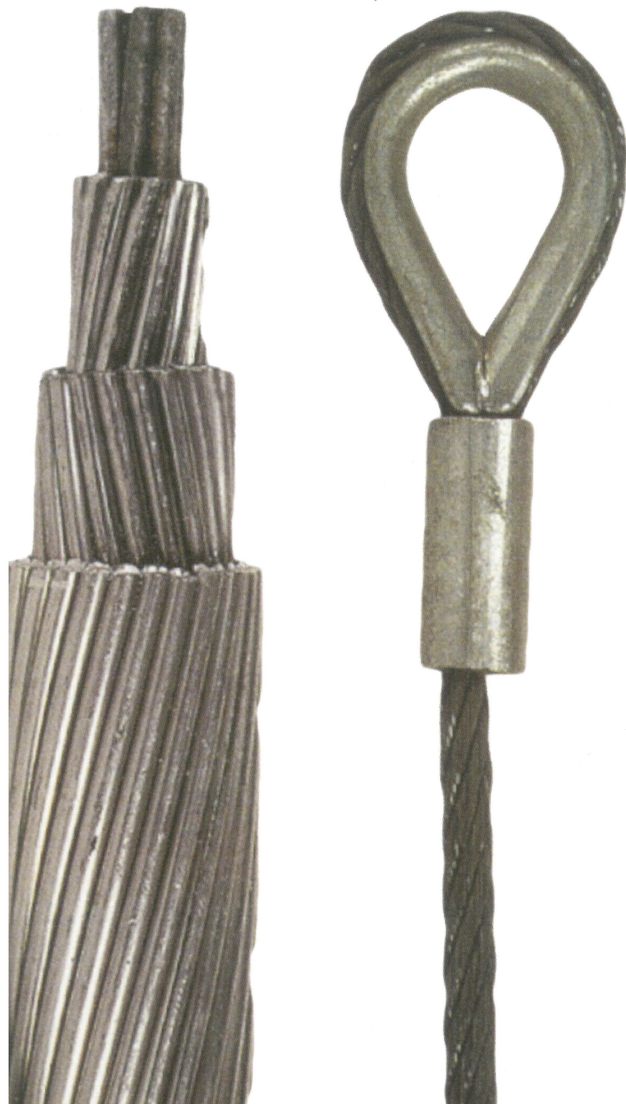


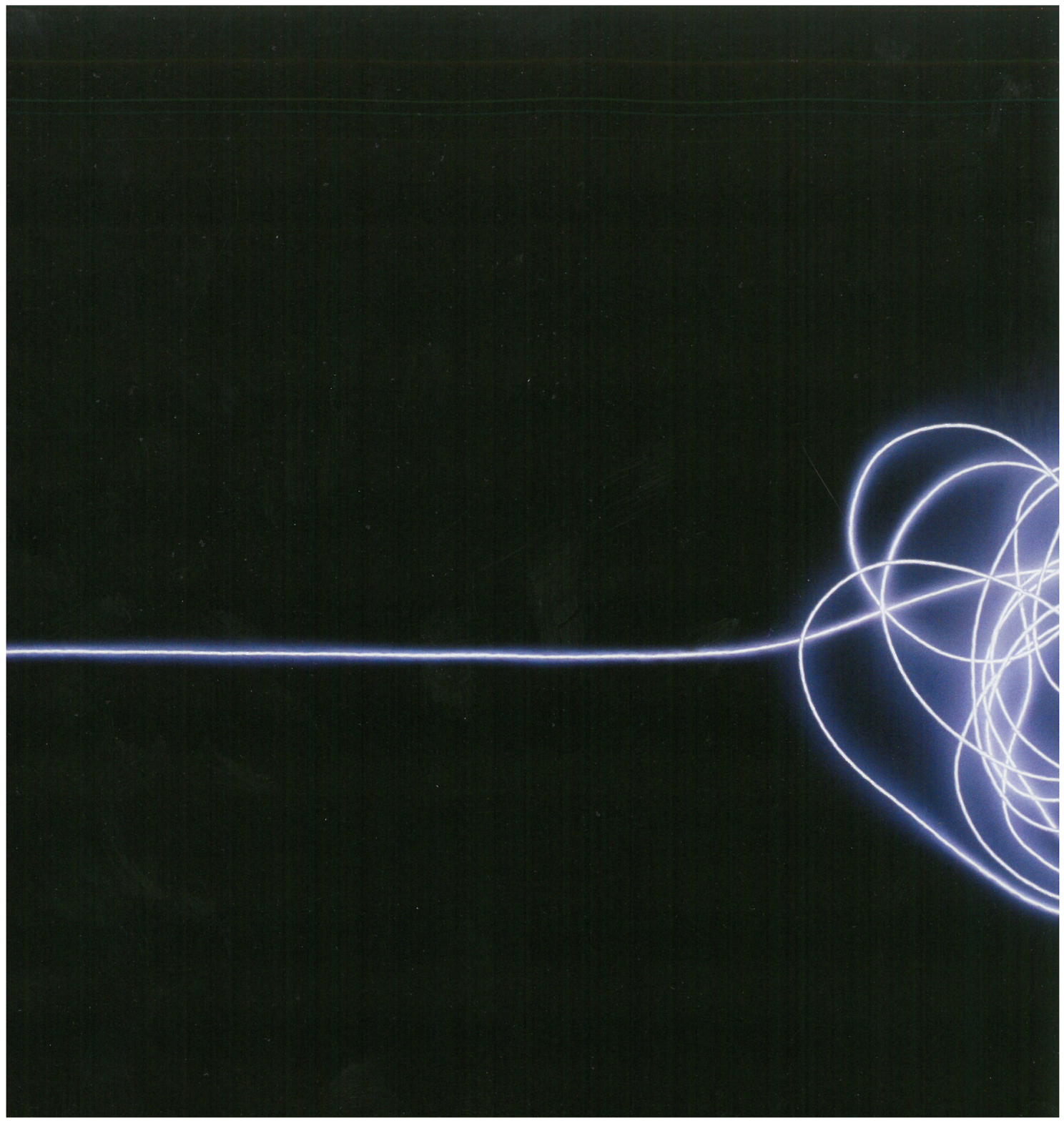
Overhead conductors, steel ropes and slings

Overhead conductors are intended for overhead power lines. Metal slings and steel ropes are widely applied for different industries (construction, petrochemical industry, shipbuilding, mining etc.) for transport and fastening purposes.

Standards: ASTM B 231; ASTM B 232; BS 215; CSA C49; DIN 48201; DIN 48204; EN 50182; IEC 1089; HRN N.C1.351

Construction: steel, aluminium, aluminium alloy and copper





Kontakt / Contact

ELKA kabele d.o.o.

za proizvodnju kabela / for cable production

Koledovčina 1

10000 Zagreb, Hrvatska

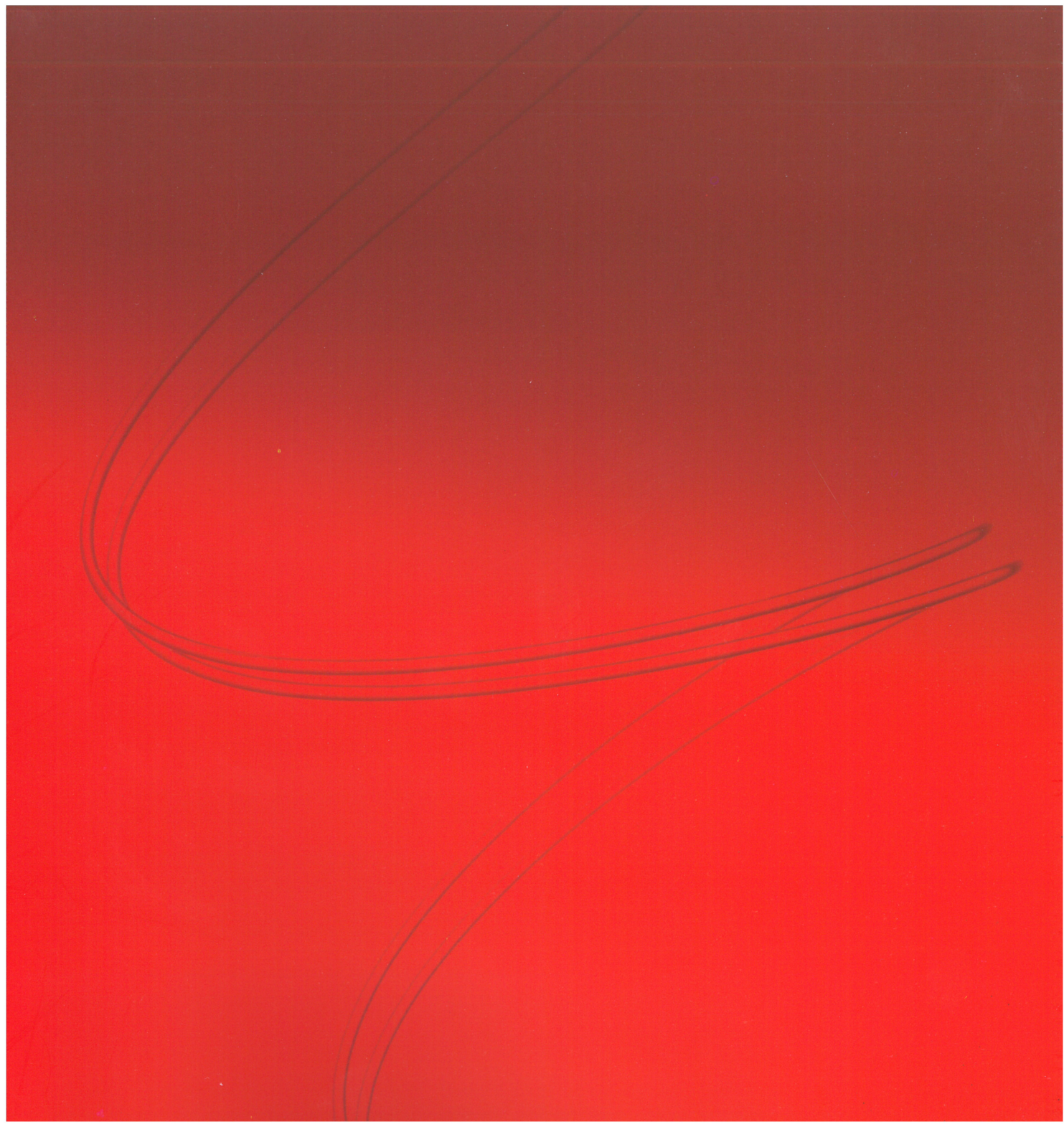
Tel: + 385 1 24 82 600

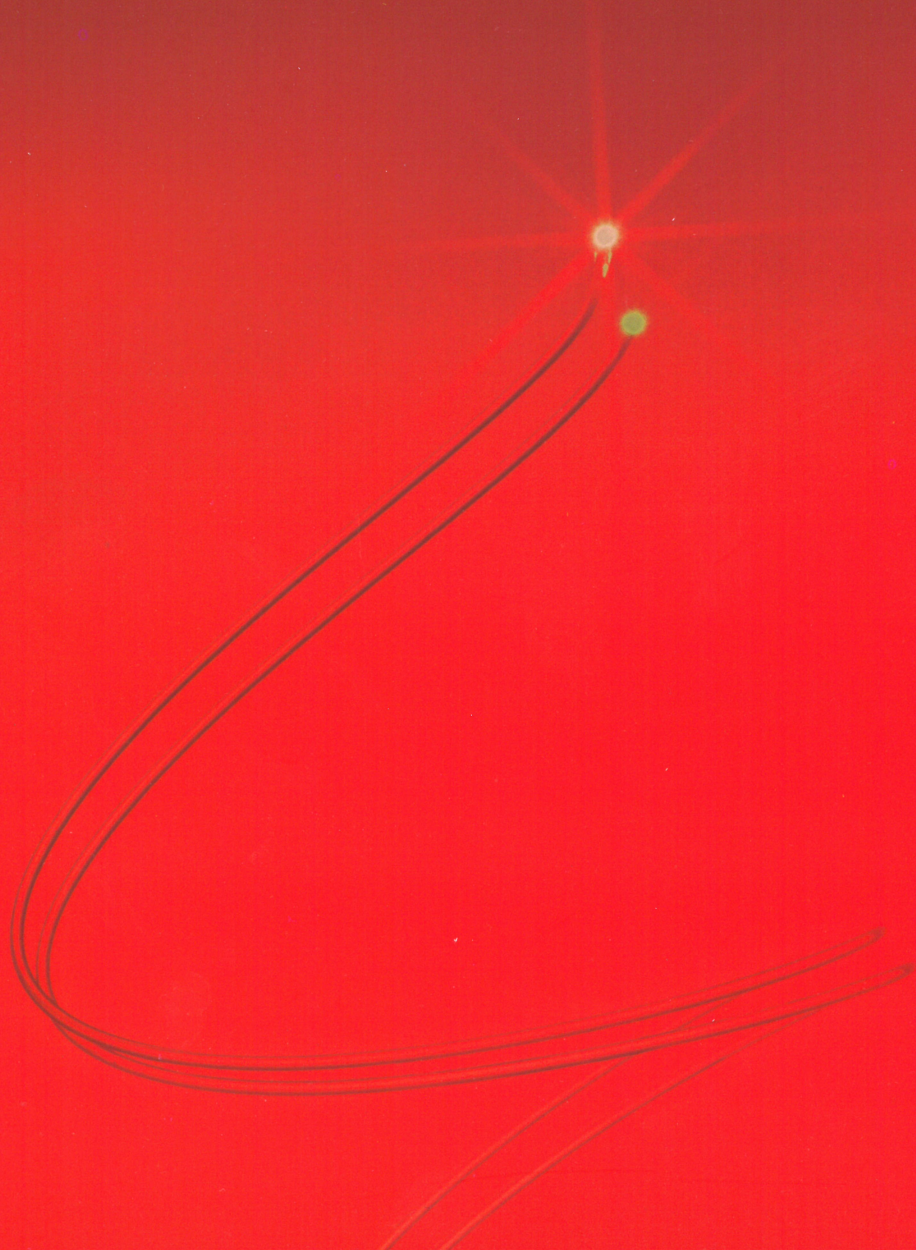
Fax: + 385 1 24 04 898

E-mail: elka-marketing@elka.hr

www.elka.hr







 **ELKA**



www.elka.hr