



## We offer you a wide variety of cables and wires

| <b>PVC insulated power cables</b>  |                              |                                   |  |                                   |                                |
|--|------------------------------|-----------------------------------|--|-----------------------------------|--------------------------------|
| nominal voltage, kV 0,66; 1,0; 3,0; 6,0, number of cores 1,2,3,4,5 and cross section or 240, mm <sup>2</sup> |                              |                                   |  |                                   |                                |
| АВБбШВ<br>АВБбШВз<br>АВБбШв<br>ВВГзнг  | ВВГз<br>АВВГ<br>ВВГ<br>ВВГнг | АВВГнг<br>ВБбШВ<br>АВВГз<br>ВВГ-П | АВБбШвнг-LS<br>АВБбШнг<br>ВБбШВз<br>АВВГ-П | ВВГзнг<br>АВВГнг-LS<br>ВБбШвнг-LS | Б бШвнг<br>ВБбШвнг<br>ВВГнг-LS |

| <b>Power cables with silane cross-linked polyethylene insulation</b>                                  |                   |                   |                    |          |          |
|---|-------------------|-------------------|--------------------|----------|----------|
| at 1 kV voltage with number of cores 1, 2, 3, 4 and 5, cross section: from 1,5 to 240 mm <sup>2</sup> |                   |                   |                    |          |          |
| ПвВГ<br>АПвБбШв   | ПвВГнг<br>АПвБбШп | ПвБбШв<br>АПвВГнг | АПвВГ<br>АПвзБбШнг | АПвзБбШп | АПвзБбШв |

| <b>Power cables with cross-linked polyethylene insulation</b>      |                              |                          |                        |                         |               |
|--|------------------------------|--------------------------|------------------------|-------------------------|---------------|
| at 10, 20, 35 kV voltage and cross section or 500, mm <sup>2</sup> |                              |                          |                        |                         |               |
| АПвП<br>АПвВнг – LS<br>АПвПг                                       | ПвП<br>ПвВнг – LS<br>АПвПу2г | АПвПу<br>АПвПг<br>АПвПуГ | ПвПу<br>ПвПг<br>АПвВнг | АПвВ<br>АПвПуГ<br>ПвВнг | ПвВ<br>АПвП2г |

| <b>Power cables</b>  |            |           |            |
|--|------------|-----------|------------|
| that don't distribute combustion, with insulation and polymer compound without halogen |            |           |            |
| ППГнг- HF  | ПБбПнг- HF | ППГнг- HF | ПБбПнг- HF |

| <b>Power cables with paper-impregnated insulation</b>  |   |  |   |   |   |
|--|---|--|---|---|---|
| core – soft aluminium or copper sector wire, nominal voltage, kV 1; 6,0; 10, sheath – extruded aluminium and extruded lead |   |  |   |   |   |
| ААБ2л<br>ААБ2лШв<br>ААБлГ<br>ААП2л<br>ААШв<br>АСШнг<br>АСБлГ   | АСБнлШнг<br>СБ<br>СБГ<br>СБн<br>ЦААБл<br>СБнлШнг<br>ЦАСБнлШнг | ЦСБл<br>ЦСПШв<br>ААБ2лГ<br>ААБл<br>ААБнлГ<br>ЦААШв<br>ЦСБГ | АСБ2л<br>АСБл<br>АСШВ<br>СБ2лГ<br>СБл<br>ЦАСБлГ<br>ЦСШв | ЦАСБ2лШв<br>ЦСБ<br>ЦСПл<br>ЦААПлГ<br>ААШнг<br>СШв<br>АСПл | АСБГ<br>АСБ<br>ЦСБн<br>ААПл<br>ЦАСБГ<br>ЦААБлГ<br>ЦАСБл |

| <b>Signal and interlock system cables with PE insulation and plastic sheath</b> |   |   |                                      |   |   |
|---|---|---|--------------------------------------|---|---|
| СБЗПБ<br>СБЗПу<br>СБПу<br>СБЗПБбШв<br>СБПСШв                                    | СБЗПБбШп<br>СБЗПАШп<br>СБПБбШв<br>СБЗПАШв<br>СБПАШв | СБЗПАуБпШп<br>СБВГнгЭ<br>СБЗПАБпШп<br>СБВГЭ | СБВГ<br>СБПБбШв<br>СБВГнг<br>СБПБбШп | СБПАБпШп<br>СБЗВБГнг<br>СБПАШп<br>СБПуЭ | СБВБГ<br>СБЗПЭБбШп<br>СБВБбШвнг<br>СБЗПуЭ |

| <b>Control cables</b>   |  |   |                                |                             |                          |
|---|--|---|--------------------------------|-----------------------------|--------------------------|
| The cables are designed for fixed connection to electrical appliances, instruments, terminal boxes in power distribution assemblies |  |   |                                |                             |                          |
| АКВБбШв<br>АКВВГ<br>АКВВГЭнг<br>КВБбШВз   | КВБбШвнг<br>КВВГ<br>КВВГнг – LS<br>КВВГзнг | КВВГЭнг-LS<br>КВБбШв<br>АКВВБГнг<br>КВВГЭнг | АКВВГЭ<br>КВБбШнвг-LS<br>КВВБГ | КВВГнг<br>КВВГЭз<br>КВВГЭнг | КВВГз<br>АКВВГз<br>КВВГЭ |

| <b>Control cables that don't distribute combustion, with insulation and polymer compound without haloge</b> |             |             |
|---|-------------|-------------|
| КППнг – HF  | КППЭнг – HF | КБбПнг – HF |

| <b>Communication cables</b>                            |       |            |        |           |         |
|--|-------|------------|--------|-----------|---------|
| Telephone cables with PE insulation and plastic sheath |       |            |        |           |         |
| ТППЭпБ<br>ТППЭпБбШп                                    | ТППЭп | ТППЭпЗБбШп | ТППЭпЗ | ТППЭпБбШв | ТППЭпБГ |

| <b>Shaft communication cables</b>   |       |       |        |         |        |        |
|---|-------|-------|--------|---------|--------|--------|
| The cables are designed to establish communication and transmit information in underground shafts and mines etc |       |       |        |         |        |        |
| ТППКШв  | ТППШв | ТППШт | ТППШтк | ТППКШнг | ТППШнг | ТППШтз |

| <b>Telephone office cables</b>   |   |   |
|--|---|---|
| The cables are designed for wiring of low-voltage telephone office equipment at direct voltage up to 120 V |   |   |
| ТСВ-0,4(0,5)<br>ТПВ-0,4(0,5;0,64;0,7)  | ТСВнг-0,4(0,5)<br>ТПВнг-0,4(0,5;0,64;0,7) | ТСВнг-LS-0,4(0,5)<br>ТПВнг-LS-0,4(0,5;0,64;0,7) |

| <b>Control and pilot cables</b>  |                            |  |                                  |                            |                        |                     |                      |                   |
|--|----------------------------|--|----------------------------------|----------------------------|------------------------|---------------------|----------------------|-------------------|
| Cables with PVC insulation and sheath are designed for fixed installation of power circuits, control circuits and local lightning at lathes and mechanisms |                            |  |                                  |                            |                        |                     |                      |                   |
| КГВВ   | КГВВнг                     | КУГВВЭ                                   | КУГВВЭнг-LS                      | КУПЭВ                      | КУПЭВнг-LS             |                     |                      |                   |
| <b>Self - carrying insulated wires</b>   |                            |  |                                  |                            |                        |                     |                      |                   |
| The wires are designed for using in aerial and lightning networks at nominal alternating voltages up to 0,6; 1 kV  |                            |  |                                  |                            |                        |                     |                      |                   |
| СИП-1  | СИП-2                      | СИП-3                                    | СИП-4                            |                            |                        |                     |                      |                   |
| <b>Fibre optical cable with single mode or multi mode fiber and armor from steel galvanized wires</b>  |                            |  |                                  |                            |                        |                     |                      |                   |
| ОКБ  | ОКБ-Т                      | ОКЛ                                      | ОКЛм                             | ОКП                        | ОКК                    | ОКГ                 |                      |                   |
| <b>Symmetrical cables for digital systems of data transmission (Lan-cables)</b>  |                            |  |                                  |                            |                        |                     |                      |                   |
| Symmetrical cables for digital data transmission systems with PE insulation  |                            |  |                                  |                            |                        |                     |                      |                   |
| КССПВ (UTP4 Cat.5.Cat5e)   |                            | КССПВэн (UTP4 Cat.5.Cat5e)               |                                  | КССПЭФВ (UTP4 Cat.5.Cat5e) |                        |                     |                      |                   |
| <b>PVC insulated power cables with NYM infill</b>  |                            |  |                                  |                            |                        |                     |                      |                   |
| NYM – 0  |                            | NYM – J (2х... ; 3х... ; 4х... ; 5 х...) |                                  |                            |                        |                     |                      |                   |
| <b>Flexible power cables</b>   |                            |  |                                  |                            |                        |                     |                      |                   |
| КГ (1х ... ; 2х... ; 3х... ; 4х ... )  |                            |  |                                  |                            |                        |                     |                      |                   |
| <b>Connecting wires and cords</b>  |                            |  |                                  |                            |                        |                     |                      |                   |
| АППВ<br>ВПП<br>НВЭ<br>ПВ 4   | ПРППМ<br>КВГС<br>ВП<br>КВС | ТРВнг – LS<br>АПВ<br>ВПП<br>ПВДП         | ТРВнг – LS<br>АПВ<br>ВПП<br>ПВДП | ШВА<br>ТРВ<br>ПКСВ<br>ПГВА | ШВП - 2<br>ТРП<br>ПБПП | ШВВП<br>ПНСВ<br>ПВ1 | ШВП<br>ПРППМт<br>ПВ2 | ВПВ<br>ТРП<br>ПВ3 |
| <b>Radiofrequency cables for household and industrial TV and video equipment</b>   |                            |  |                                  |                            |                        |                     |                      |                   |
| РК 75 -2   | РК 75 -3                   | РК 75 -3,7                               | РК 75 – 4                        | РК 75 – 7                  | РК 75 -9               | РК 50 – 22-37       |                      |                   |
| <b>Uninsulated wires</b>   |                            |  |                                  |                            |                        |                     |                      |                   |
| МГЭ  | МГ                         | А  | АС                               | М                          | ПГЛ                    |                     |                      |                   |

## Nomenclature of equipment for energetics

### 1. Equipment produced by JSC “High Voltage Apparatus Plant, Zaporozhye”

- Instrument current transformers **ТФРМ, ТФУМ, ТФЗМ, ТОГ**
- Instrument voltage transformers **ЗНМИ, ЗНОМ, ЗНОМП, НКФ, НКФ-М, НОГ, ЗНОГ**

Instrument current and voltage transformers are manufactured with SF<sub>6</sub> or oil filling, with porcelain or silicone external insulation.

- Transformers **ТС**
- Complete switchgears (**КРУ**)
- Complete transformer substations (**КТП**) for 10/0,4
- Prefabricated one-side maintenance chambers (**КСО**)
- Disconnectors of indoor and outdoor installation **РД(З), РЛН, РВ, РВЗ, РВФ, РВФЗ**

### 2. Equipment produced by JSC “Ramensky electrotechnical plant “Energiya”:

- Current transformers for **АСКУЭ** of **ТБМО** type
- Antiresonance voltage transformers for **АСКУЭ** of **НАМИ** series
- Voltage transformers (**НОМ, ОМ, НОС, ВОС** and **НТС**)
- Capacitor voltage transformers of **НДКМ** series
- Operated monophasе oily reactors of **РУОМ** series
- Zero string connection filters
- High-frequency rejectors of **ВЗ** series
- Connection filters of **ФПЗ** type

### 3. Equipment produced by JSC “Cheboksary Electric Apparatus Plant”

- Complete distributive devices of **КМ1** series
- Prefabricated cells of one-sided service of **КСО-202** series
- Relay cases

- Block-module complete transformer substations (**БМ КТП**)
- Operative direct current cases (**ШОТВ-01**)
- Low-voltage compete devices (series **РТ30-88М, РТ3088В**) for power supply of stop valves and electromotors of devices with facility up to 28 kilowatt
- Insertion cases from automatic standby activation up to 630 ampere current of **Ш08320М** series
- Insertion cases from automatic standby activation to 160-1600 ampere current of **Ш8330** series
- Cases for power main protection (110-220 kilowatt) of **ШЗЛ** type
- Cases for transformer protection of **ШМЗТ** type
- Switchboards on basis of typical panels of **Щ070В** series
- Devices of relay protection and automatics
- Boards of protection (**РЗА**)

### 4. Equipment produced by JSC “Ardatovsky lighting engineering plant”

- Lamps for production area of **ЛСП44, ЛСП40, ПВЛМ, ПВЛМ-П, ЛСП22, ЛСП02, ФСП05, РСН05, ЖСП01, ГСП17** modifications
- Lamps for public places of **ЛВ046 Class, ЛВ010 Comfort P, ЛВ010 Comfort L, ЛВ010 Rastr, ЛПО46 Oval, ЛПО46 Oval M, ЛПО46 Combi, ЛПО46 407, ЛПО46 Prizma, ЛПО46 Rastr, ЛСО46 Modul**
- Lamps for street lightning (**РТУ11, РТУ15, НСП17, НТУ15**)
- Bactericidal illuminators (**ОБН02, ББП01**)
- Erythema irradiators **ЭСП01**

**5. Other electrotechnical equipment:** pedestal insulators, pin-type insulators, oil-filled entrance bushings, high-voltage dischargers, high-voltage breakers, power distribution cabinets, power and launching cases, magnetic starting boxes, circuit breakers, contactors, switches, electric plug connectors, unblocking breakers.