








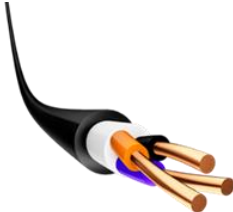
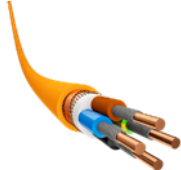








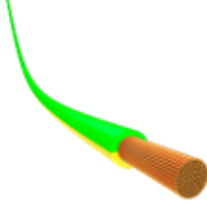
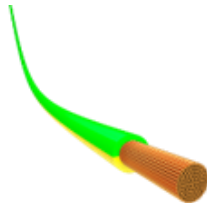


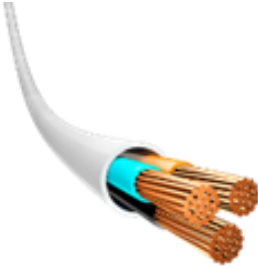

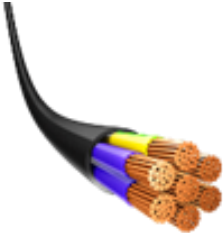
| Cables | | | |
|----------------------|------------------------------------|---|---|
| Electrotechnical Rod | Electrotechnical Aluminum Wire Rod |  | <p>General information</p> <p>Aluminum rod, produced by the method of continuous casting and rolling, is used for electrical purposes. The use of aluminum in cable technology creates the favorable conditions for the production of cables of a high electrical conductivity.</p> |
| | Electrotechnical Copper Wire Rod |  | <p>General information</p> <p>Copper rod, being a quality product, is widely applied in various industries. Copper rod, being a quality product, is widely applied in various industries. Copper rod is manufactured by the method of continuous casting and rolling from refined copper scrap and ore. Copper wires are widely used in the cable industry due to their electrical conductivity, mechanical strength, high corrosion resistance, easy handling, welding and soldering.</p> |
| Low Voltage Cables | NYY/ NYY-FL/ NYY-LS |  | <p>General information</p> <p>Cables with rated voltages up to 0.66; 1.0; 3.0 kV are used for transmission and distribution of electric energy at manufacturing entities with low and high humidity, on special cable racks, in blocks of residential buildings, in the open air, at rivers and lakes located at an altitude of up to 4,300 m above sea level. The use of these cables in trenches (under the ground) is not recommended.</p> |
| | NAYY/ NAYY-FL/ NAYY-LS |  | <p>General information</p> <p>Cables with rated voltages up to 0.66; , 1.0; , 3.0 kV are used for transmission and distribution of electric energy at manufacturing entities with low and high humidity, on special cable racks, in blocks of residential buildings, in the open air, at rivers and lakes located at an altitude of</p> |

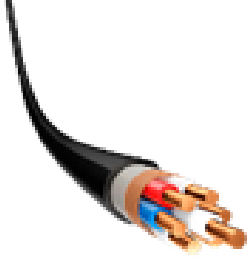





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| | | | up to 4,300 m above sea level. The use of these cables in trenches (under the ground) is not recommended. |
| N2XY/ N2XY-FL/ N2XY-LS |  | | |
| NA2XY/ NA2XY-FL/ NA2XY-LS |  | | |
| NYF FLEX/ NYF-FL FLEX/ NYF-LS FLEX |  | | |
| NYCY |  | | <p>General information</p> <p>These types of cables protect from external electromagnetic interference. Cables of these trademarks prevent from interference of external magnetic waves and are intended to be used in a fixed cabling installation providing transmission and distribution of electrical energy.</p> <p>NYCY / NYCY-fi / NYCY-LS N2XCY / N2XCY-fi / N2XCY-LS NAYCY / NAYCY-fi / NAYCY-LS NA2XCY / NA2XCY-fi / NA2XCY-LS</p> |
| NYBY | | | <p>General information</p> <p>These branded cables are power cables used for operation in places subject to external mechanical influences, open air and frosts, tunnels, trenches, underground, cold, tropical, temperate climates. It is allowed to be used on land and in rivers and lakes at an altitude of 4300 m above sea level.</p> <p>NYBY / NYBY-fi / NYBY-LS N2XBY / N2XBY-fi / N2XBY-LS NAYBY / NAYBY-fi / NAYBY-LS / NA2XBY / NA2XBY-fi / NA2XBY-LS</p> |





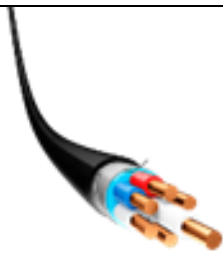
| | | |
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| NYM-J |  | <p>General information</p> <p>These types of cables of this trademark are power supply cables for fixed cabling unstationinstallation in equipment operating on alternating current with working voltage of 660 V, in residential buildings, in enterprises and at home, in dry and damp locations, inside and outside of brick and concrete walls.</p> |
| NYM-O |  | <p>General information</p> <p>These types of cables of this trademark are power supply cables for fixed cabling unstationinstallation in equipment operating on alternating current with working voltage of 660 V, in residential buildings, in enterprises and at home, in dry and damp locations, inside and outside of brick and concrete walls.</p> |
| NYY-LS FE 180/ NYCY-LS FE 180 |  | <p>General information</p> <p>These Cables of this trademark are used for transmission and distribution of electric power in case of fire (for providing power supply to fire safety chains and fire extinguishing pumps,</p> |
| NHXH-HF FE 180/ N2XH-HF FE 180 |  | <p>lighting of evacuation and emergency exits, evacuation lifts, air ventilation, explosive zones, operating units of hospitals).</p> |
| N2XY-LS FE 180 |  | <p>Cables provide transmission and distribution of electricity in public places and residential buildings, as well as in computerized works equipped with microprocessor</p> |
| N2XH/ NA2XH/ N2XH FLEX |  | <p>technology.</p> |





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| | PPGNG-HF |  | <p><u>General information</u></p> <p>These Halogen halogen-free cables of this trademark are used for transmission and distribution of electricity in the event of fire (to provide power to the fire safety circuits and fire extinguishing pumps, lighting evacuation and emergency exits, evacuation lifts, air ventilation, explosive zones, operating units of hospitals). These cables are used for transmission and distribution of electricity in the event of fire (to provide power to the fire safety circuits and fire extinguishing pumps, lighting evacuation and emergency exits, evacuation lifts, air ventilation, explosive zones, operating units of hospitals). Cables provide transmission and distribution of electricity in public places and residential buildings, as well as in computerized units equipped with microprocessor technology.</p> |
| Installation Wires | H05V-R/ H07V-R |  | <p><u>General information</u></p> <p>The wires are used for a fixed installation in electrical equipment, machines, mechanisms, machine tools as well as in lighting and power networks. The nominal operating voltage of these wires does not exceed 300-500 V and 450-750 V for alternating current electric networks and 1000 V for direct current.</p> |
| | H05-V-K/ H07V-K |  | <p><u>General information</u></p> <p>The wires are used for a fixed installation in electrical equipment, machines, mechanisms, machine tools as well as in lighting and power networks. The nominal operating voltage of these wires does not exceed 300-500 V and 450-750 V for alternating</p> |





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| | | | current electric networks and 1000 V for direct current. |
| | H05VH-U |  | <p>General information</p> <p>The wires are used for a fixed installation in electrical equipment, machines, mechanisms, machine tools as well as lighting and power networks. The nominal operating voltage of these wires does not exceed 300-500 V and 450-750 V for alternating current electric networks and 1000 V for direct current.</p> |
| | H05V-U/ H07V-U |  | <p>General information</p> <p>The wires are used for a fixed installation in electrical equipment, machines, mechanisms, machine tools as well as lighting and power networks. The nominal operating voltage of these wires does not exceed 300-500 V and 450-750 V for alternating current electric networks and 1000 V for direct current.</p> |
| Halogen-Free Installation Wires | PUPNG (A)-HF |  | <p>General information</p> <p>These types of installation wires are used for electrical installations in fixed laying in lighting and power networks, as well as for electrical equipment, machines and mechanisms, including residential and public buildings, with nominal operating voltage up to 450 V (for networks with voltage 450/760 V) or with constant voltage up to 1000 V with nominal frequency up to 400 Hz.</p> <p>The wires can be used for group installation to provide electricity in sports complexes and residential buildings.</p> |
| | PUGPNG (A)-HF |  | |


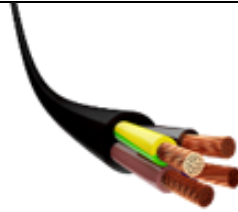

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| Connecting Wires and Cords | H03VV-F/ H05VV-F |  | <p>General information</p> <p>They are intended to be used in dry and closed places subject to small mechanical impact, for connection to an electrical network of rated voltage not exceeding 300/300 and 300/500 V of electrical machines, household appliances and other similar equipment. H03VV-F / H03VVH2-F / H05VV-F / H05VVH2-F</p> <p>The color of phase conductors can be replaced with any color, provided that the color of the zero conductor (blue) and the grounding conductor (yellow/green) are retained.</p> |
| | H03VVH2-U/ H03VVH2-K |  | <p>General information</p> <p>The wires of trademarks H03VVH2-U and H03VVH2-K type wires are designed for use in AC-powered household equipment, and lighting networks, as well as in wooden structures with an operating voltage of up to 250 V.</p> |
| Flexible Control Cables | KUGVV/ KUGVVNG/ KUGVVNG-LS |  | <p>General information</p> <p>These cables are designed to connect stationary machine tools, machines and mechanisms with a rated operating voltage of 660 V AC or 1000 V DC to the electrical circuit, to control and illuminate them. KuGVV (LiYY,YSLY) / KuGVVng (LiYY-fl,YSLY-fl) / KuGVVng – LS (LiYY-LS,YSLY-LS)</p> |

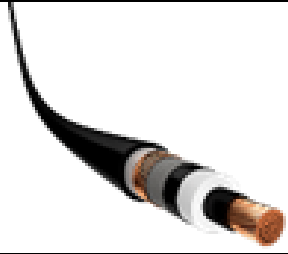

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| | KUGVVE/ KUGVVENG/ KUGVVENG-LS |  | General information These cables are control cables to connect stationary machine tools, machines and mechanisms with a rated operating voltage of up to 380 V AC or 500 V DC to the electrical circuit and to prevent external electromagnetic interference. KuGVVE (LiYCY, YSLYCY) / KuGVVEng (LiYCY-fl, YSLYCY-fl) / KuGVVEng – LS (LiYCY-LS, YSLYCY-LS) |
| Coaxial | RG 6/U-4 |  | General information RG 6/U-4, RG 6/U-6 cables are used to broadcast television programs via a common satellite indoor antenna (CATV), as well as to create connections in digital systems (SMATV). |
| | RG 6/U-6 |  | |
| | RG 59/U |  | General information The RG 58/U cable is used as a connecting cable in CB radio stations and antenna systems for wireless data transmission, as well as for transferring information to terminals and systems. |
| | RG 59/U-6 |  | General information The RG 59 / U-6 cable is used for broadcasting television channels through a common satellite indoor antenna (CATV), as well as for systems that are undemanding to reduce the information signal. |
| | RG 213/U |  | General information Telecommunication cables in MF radio antenna systems are used in data transmission networks as a terminal and system telecommunication cable. |



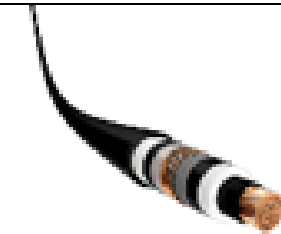
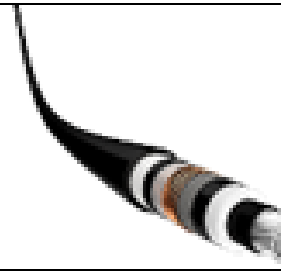
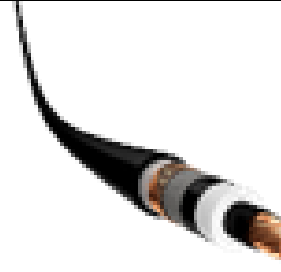
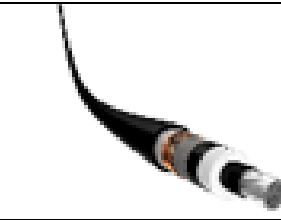
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| Overhead Power Transmission Non-Insulated Wires | M (ACC) |  | <p>General information</p> <p>M (ACC) type wire is used for overhead power transmission in the regions and/or seaside with any type of climate conditions attributed to II and III types of atmosphere as specified in GOST 15150.</p> |
| | AC (ACR) |  | <p>General information</p> <p>Wires AC (ACR) are designed to distribute electricity over the air networks in climatic conditions related to atmospheres of types I and II specified in GOST 15150. AC (ACR) type wires are designed for overhead power transmission in I and II type atmospheric conditions specified in GOST 15150. ACK, ACKC (ACSR), ACKП (ACSS) type wires are used on sea coasts and salt-lake coasts, in industrial cities and regions, in salt-marsh areas as well as in places with an atmosphere of types II and III.</p> |
| | A (AAC) |  | <p>General information</p> <p>A (AAC) type wires are designed type wires are designed for overhead power transmission in I and II type atmospheric conditions specified in GOST 15150.</p> |
| Control Cables | KVVG (NYY) |  | <p>General information</p> <p>Control cables of these brands are used in stationary electric and alternate current devices with a nominal voltage of 660V or in direct current electric distribution devices with a nominal voltage up to 1000V, in closed areas, channels and tunnels, aggressive climatic conditions and in places that are not exposed to external mechanical influence.</p> |
| | KVVGE (NYCY) |  | |

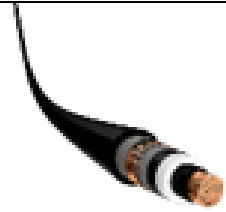

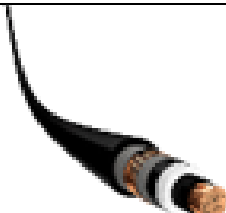
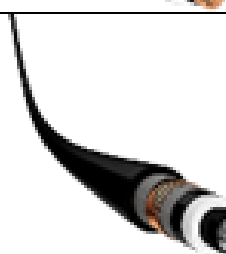



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| | KVBBSHV (NYBY) |  | The cores forming the cable get twisted in layers. Two cores in each layer should differ in color between themselves and other cores or must be numbered. KVVG (NYY) / KVVGng (NYY-fl) / KVVGng-LS (NYY-LS) / AKVVG(NAYY) / AKVVGng (NAYY-fl) / AKVVGng – LS (NAYY-LS) |
| Self-Supporting Insulated for Suspension on Overhead Power Line Pillars | SIP-3 (SAX) |  | General information Wire SIW-3 (SAX) is designed for overhead transmission lines with 0.66, 1.0, 10, 20, 35 kV, for input tapping of branch power lines, for in-air-laying on walls of buildings or engineering structures of types II and III according to GOST 15150. At a specified temperature of storage and operation wire materials do not give off pollutant emissions in concentrations dangerous for human body and polluting the environment. |
| | CIP-4 (ABC) |  | General information Wire SIW-4 (ABC) is designed for overhead transmission lines with 0.66, 1.0, 10, 20, 35 kV, for input tapping of branch power lines, for in-air-laying on walls of buildings or engineering structures of types II and III according to GOST 15150. At a specified temperature of storage and operation wire materials do not give off pollutant emissions in concentrations dangerous for human body and polluting the environment. |
| Winding Wires | PETD-180 |  | General information Winding wire PETD-180 is designed for manufacturing windings of motors and dry-type transformers of industrial and domestic electrical equipment, generators, measuring devices, |






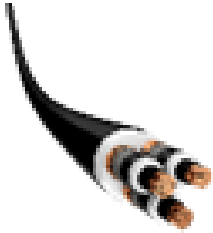
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| | | | coils, relays and communication equipment. |
| PETV-1/ PETV-2 |  | | General information Winding wire PETV is designed for manufacturing windings of measuring and recording devices, telephone cups, small-power motors, electromagnets, and oil-filled transformers. |
| PETD 200-1/ PETD 200-2 |  | | General information Winding wire PETD 200 is designed for manufacturing windings of motors and dry-type transformers of industrial and domestic electrical equipment, generators, measuring devices, coils, relays and communication equipment. |
| PET-155 |  | | General information Winding wire PET-155 is designed for manufacturing windings of general purpose power motors, industrial and domestic electrical equipment motors, generators, dry-type transformers, measuring devices, coils, and relays. |
| VPP/ VPPU/ VPV |  | | General information Installation wires VPP, VPPU, VPV are designed for installation of submerged motors that continuously run in water and artesian wells to electrical networks at a rated AC voltage of 380, 660 and 3000 V with a frequency of 50 Hz. Operating conditions for submerged motors to be connected: maximum pressure – 7,09•10 ⁶ Pa (kgs/cm ²), environment temperature – from -40 to +65 °C (VPP wire); maximum pressure – 1,7•10 ⁷ Pa (kgs/cm ²), environment temperature – from -40 to +80 °C (VPPU wire) Installation wires for submerged electric motors that continuously run in water and artesian wells. |






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| | PVDP/ PEVVP |  | <p>General information</p> <p>Winding wires PVDP are designed for stator winding of submerged water-filled motors that continuously run-in water and artesian wells at AC voltage to 660 V with a frequency of 40-50 Hz.</p> <p>Winding wires for submerged electric motors that continuously run-in water and artesian wells</p> |
| Rubber-Insulated Power Flexible Cable | KG (H07G-F) |  | <p>General information</p> <p>Power flexible cable KG is designed for connection of mobile machines operating with rated AC voltage of 660 V or DC voltage of 1000 V to electrical circuit.</p> |
| | KOG (H07G-H) |  | <p>General information</p> <p>Rubber-insulated extra flexible power cable KOG is designed for arc welding to connect electrode-holders, automatic or semi-automatic welding units operating with at a rated AC voltage to 220 V or DC voltage to 700 V.</p> |





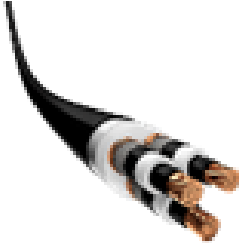
| High Voltage Cables 6/35 KV | | | |
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| SINGLE-CONDUCTOR CABLES WITH CROSS-LINKED POLYETHYLENE (XLPE) INSULATION 6/35 KV | N2XSY |  | <p>General information</p> <p>Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204.</p> <p>The cable is used for fixed installation in cable lines and the industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion at single cabling.</p> |
| | NA2XSY |  | |






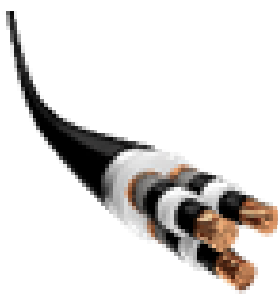
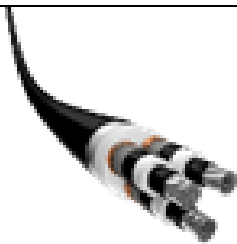
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| N2XSY-FL |  | |
| NA2XSY-FL |  | |
| N2XSY-LS (CAT A) |  | |
| NA2XSY-LS (CAT A) |  | |
| N2XS2Y |  | |
| NA2XS2Y |  | |


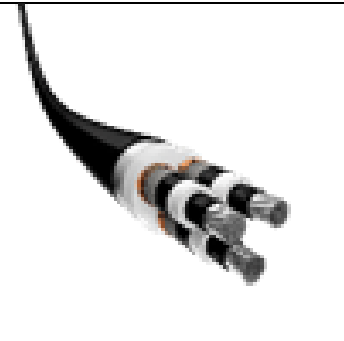
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|--|---------------|---|--|
| | N2XS (F) 2Y |  | |
| | NA2XS (F) 2Y |  | |
| | N2XS (F) 2YY |  | |
| | NA2XS (F) 2YY |  | |
| SINGLE- CONDUCTOR CABLES WITH CROSS-LINKED POLYETHYLENE (XLPE) INSULATION, WITH ALUMINIUM WIRE ARMOR 6/35 KV | N2XSR(AL)Y |  | <p>General information</p> <p>Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204.</p> <p>These cables can be used for laying on dry ground (on sandy, sandy-clay soil and soil with humidity less than 14 %), in areas with landslide and seismic activity, on frozen ground in an upright position and in areas with potential tensile force during cable operation. Cables can also be installed without restrictions on level differences. The cable does not spread combustion at single cabling.</p> |
| | NA2XSR(AL)Y |  | |
| | N2XSR(AL)Y-FL |  | <p>General information</p> <p>Standard: TŞ AZ 2002283071.008 (IEC 60840)</p> |

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| | NA2XSR(AL)Y-FL |  | <p>These cables can be used for laying on dry ground (on sandy, sandy-clay soil and soil with humidity less than 14 %), in areas with landslide and seismic activity, on frozen ground in an upright position and in areas with potential tensile force during cable operation.</p> <p>The cables can also be installed without restrictions for level differences. The cable does not spread combustion at group cabling.</p> |
| | N2XSR(AL)2Y |  | <p>General information Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204.</p> <p>These cables are used for laying on the ground and cable lines, regardless of the degree of corrosiveness (under the condition of using a sheath that meets the conditions of fire safety).</p> <p>These cables can be used for laying in a vertical position and in areas with potential tensile force during cable operation, in areas with landslide and seismic activity, and on frozen ground. Cables can also be installed without restrictions on level differences.</p> |
| | NA2XSR(AL)2Y |  | |
| | N2XSR(AL)2YY |  | |
| | NA2XSR(AL)2YY |  | |
| THREE-CONDUCTOR CABLES WITH XLPE INSULATION 6/35 KV | N2XSEY |  | <p>General information Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204.</p> <p>The cable is used for fixed installation in cable lines and industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread</p> |

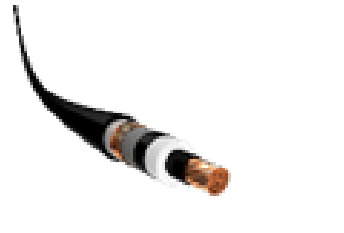
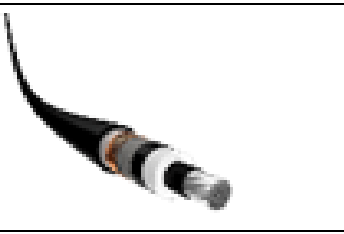

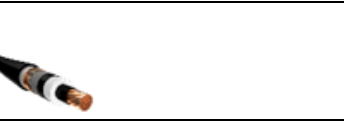


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| | | | combustion in case of group cabling. |
| NA2XSEY |  | | <p>General information</p> <p>Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204.</p> <p>The cable is used for fixed installation in cable lines and industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion at single cabling.</p> |
| N2XSEY-FL |  | | <p>General information</p> <p>Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204.</p> <p>The cable is used for fixed installation in cable lines and industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling.</p> |
| NA2XSEY-FL |  | | |
| N2XSEY-LS |  | | |
| NA2XSEY-LS |  | | |






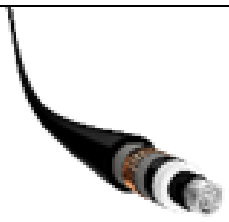
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| | N2XSE2Y |  | <p>General information</p> <p>Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204.</p> <p>They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference.</p> |
| | NA2XSE2Y |  | <p>General information</p> <p>Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204.</p> <p>They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a shell sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference. It is allowed to install cables of this brand on complicated cable routes.</p> |
| | N2XSE2YY |  | <p>General information</p> <p>Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204.</p> <p>The cable is used for fixed installation in cable lines in industrial areas. The cables can be laid on dry ground, and have no restrictions on</p> |
| | NA2XSE2YY |  | |
| THREE-CONDUCTOR CABLES WITH XLPE INSULATION AND ARMOR MADE OF | N2XSEBY |  | |

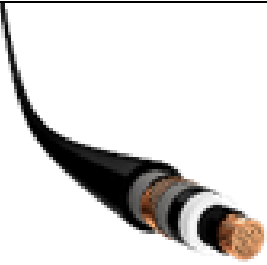





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| <p>STEEL TAPES 6/35 KV</p> | <p>NA2XSEBY</p> |  | <p>the level difference either. The cable does not spread combustion at single cabling.</p> |
| | <p>N2XSEBY-FL</p> |  | <p>General information Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204. The cable is used for fixed installation in cable lines and industrial areas. The cables can be laid on dry ground, and have no restrictions on the level difference either. The cable does not spread combustion in case of group cabling.</p> |
| | <p>NA2XSEBY-FL</p> |  | |
| | <p>N2XSEBY-LS</p> |  | |
| | <p>NA2XSEBY-LS</p> |  | |
| | <p>N2XSEBY2Y</p> |  | |
| | <p>NA2XSEB2Y</p> |  | <p>General information Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204. They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a shell that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference.</p> |







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| | N2XSEB2YY |  | <p>General information</p> <p>Standard: AZS 418-2010 (TS IEC 60502-2), TSE K 204.</p> <p>They are used for stationary laying in the ground and trenches, regardless of the degree of soil and water corrosiveness. It is possible to use them without protection from solar radiation in the open air, as well as in cable lines (under the condition of using a sheath that meets the conditions of fire safety). Cables can be installed without restrictions on the level difference. It is allowed to install cables of this brand on complicated cable routes.</p> |
| | NA2XSEB2YY |  | |



High Voltage Cables 64/110 KV

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| HIGH VOLTAGE CABLE WITH CROSS-LINKED (XLPE) INSULATION 64/20 K | N2XSY |  | <p>General information</p> <p>Standard: TŞ AZ 2002283071.008 (IEC 60840)</p> <p>The cable is used for fixed installation in cable lines and industrial areas. Cables can be laid on dry ground and they have no restrictions for the level difference. The cable does not spread combustion at a single cabling.</p> |
| | NA2XSY |  | |
| | N2XSY-FL |  | <p>General information</p> <p>Standard: TŞ AZ 2002283071.008 (IEC 60840)</p> <p>The cable is used for fixed installation in cable lines and industrial areas. Cables can be laid on dry ground and they have no restrictions on the level difference. The cable does not spread combustion at group cabling.</p> |
| | NA2XSY-FL |  | |
| | N2XSY-LS CAT A |  | |
| | NA2XSY-LS CAT A |  | |






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| N2XS2Y |  | <p><u>General information</u> Standard: TŞ AZ 2002283071.008 (IEC 60840) They are used for a fixed laying in the ground and trenches, regardless of the degree of corrosiveness of soil and water. Cables of this trademark can be used in cable lines (under the condition of using a sheath that meets the fire safety requirements). Cables can be installed without restrictions on the level difference.</p> |
| NA2XS2Y |  | |
| N2XS2YY |  | <p><u>General information</u> Standard: TŞ AZ 2002283071.008 (IEC 60840) They are used for a fixed laying in the ground and trenches, regardless of the degree of corrosiveness of soil and water. Cables of this trademark can be used in cable lines (under the condition of using a sheath that meets the fire safety requirements). Cables can be installed without restrictions on the level difference. It is allowed to install cables of this trademark on complicated cable routes.</p> |
| NA2XSYY |  | |
| N2XS (F) 2Y |  | |
| NA2XS (F) 2Y |  | <p><u>General information</u> Standard: TŞ AZ 2002283071.008 (IEC 60840) They are used for fixed laying in the ground and trenches, regardless of the degree of corrosiveness of</p> |


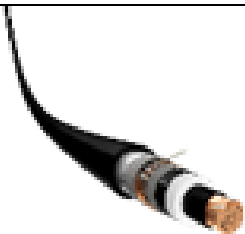

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| N2XS (F) 2YY |  | <p>soil and water. The cable sealing allows it to be used on the ground with high humidity and in partially submerged installations, while observing safety rules and providing protection against mechanical damage. Cables of this trademark can be used in cable lines (under the condition of using a sheath that meets the fire safety requirements). Cables can be installed without restrictions on the level difference.</p> |
| NA2XS (F) 2YY |  | |
| N2XS (FL) 2Y |  | <p>General information Standard: TŞ AZ 2002283071.008 (IEC 60840) These cables are used in water bodies where there is no moving water vehicles, and on the ground, without taking into account the degree of corrosiveness (in trenches or concrete channels), provided that there is protection against mechanical impact.</p> |
| NA2XS (FL) 2Y |  | |
| N2XS (FL) 2YY |  | <p>General information Standard: TŞ AZ 2002283071.008 (IEC 60840) These cables are used in water bodies where there is no moving water vehicles, and on the ground, without taking into account the degree of corrosiveness (in trenches or concrete channels), provided that there is protection against mechanical impact. It is allowed to install cables of this trademark on complicated cable routes.</p> |
| NA2XS (FL) 2YY |  | |

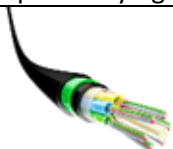
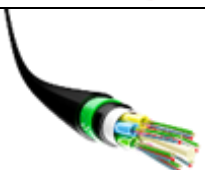



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| SINGLE-CONDUCTOR CABLES WITH XLPE INSULATION, WITH ARMOR MADE OF ALUMINIUM WIRE 64/110 KV | N2XSR (AL)Y |  | <p>General information</p> <p>Standard: TŞ AZ 2002283071.008 (IEC 60840)</p> <p>These cables can be used for laying on dry ground (on sandy, sandy-clay soil and soil with humidity less than 14 %), in areas with landslide and seismic activity, on frozen ground in an upright position and in areas with potential tensile force during cable operation. The cables can also be installed without restrictions for level differences. The cable does not spread combustion at a single cabling.</p> |
| | NA2XSR (AL) Y |  | |
| | N2XSR (AL)Y - FL |  | <p>General information</p> <p>Standard: TŞ AZ 2002283071.008 (IEC 60840)</p> <p>These cables can be used for laying on dry ground (on sandy, sandy-clay soil and soil with humidity less than 14%), in areas with landslide and seismic activity, on frozen ground in an upright position and in areas with potential tensile force during cable operation . The cables can also be installed without restrictions for level differences. The cable does not spread combustion at group cabling.</p> |
| | NA2XSR (AL) Y - FL |  | |
| | N2XSR (AL) 2Y |  | <p>General information</p> <p>Standard: TŞ AZ 2002283071.008 (IEC 60840)</p> <p>They are used for laying on the ground and cable lines, regardless of the degree of corrosiveness (under the condition of using a sheath that meets the conditions of</p> |
| | NA2XSR (AL) 2Y |  | |


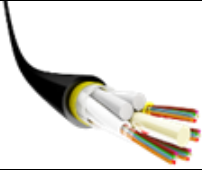
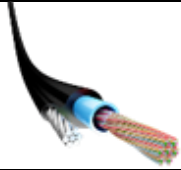

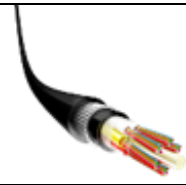

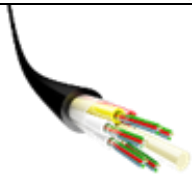
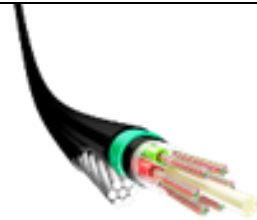
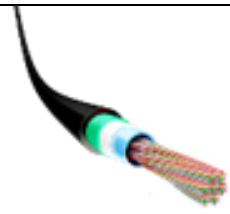
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| | N2XSE (AL) 2YY |  | fire safety). These cables can be used for laying in a vertical position and in areas with potential tensile force during cable operation, in areas with landslide and seismic activity, and on frozen ground. The cables can also be installed without restrictions for level differences. |
| | NA2XSR (AL) 2YY |  | |


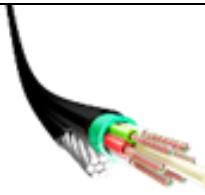
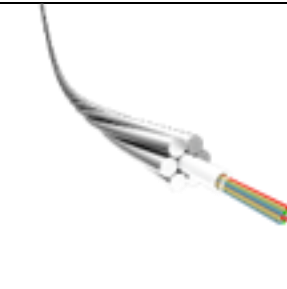
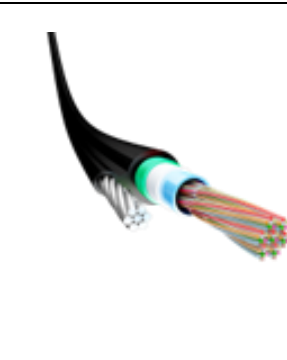



High Voltage Cables 220/500 KV






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| HIGH VOLTAGE CABLES WITH CROSS-LINKED POLYETHYLENE (XLPE) INSULATION 220/500 KV | N2XS (F)2YY |  | <p align="center">General information</p> <p>Standard: IEC 62067</p> <p>The cables are used for stationary cabling in the ground and trenches, regardless of the degree of soil and water corrosiveness. The cable sealing allows it to be used on the ground with high humidity and in partially submerged installations, while observing safety rules and providing protection against mechanical damage. These types of cables can be used in cable lines (under the condition of using a shell that meets the requirements of fire safety). It is allowed to use cables of this trademark for cable routes with a complex structure. Cables can be installed without restrictions on the level difference.</p> |
| | NA2XS(F)2YY |  | |
| | N2XS (F)2YY + FO |  | |
| | NA2XS (F) 2YY +FO |  | |
| | N2XS (FL) 2YY |  | <p align="center">General information</p> <p>Standard: IEC 62067</p> <p>These cables are used in water bodies where there is no moving water vehicles, and on the ground, without taking into account the</p> |

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| | NA2XS (FL) 2YY |  | degree of corrosiveness (in trenches or concrete channels), provided there is protection against mechanical impact. It is allowed to install these types of cables on complicated cable routes. |
| | N2XS (FL) 2YY + FO |  | |
| | NA2XS (FL) 2YY + FO |  | |

| | | |
|----------------------|---|--|
| A-DF (ZN) 2Y (SR) 2Y | General information | |
| | A-DF(ZN)2Y(SR)2Y/A-DF(BN)2Y(SR)2Y(OKL) type fiber optic cables with double sheath and armor made of corrugated laminated steel tape for laying in cable channels. | |
| OKLM |  | General information A-DF (ZN) (SR) 2Y / A-DF (BN) (SR) 2Y type fiber-optic cable with double sheath and armor made of corrugated laminated steel tape for laying in cable channels. |
| OKL GELSIZ |  | |
| OKL-T |  | General information A-D(ZN)2Y(SR)2Y/A-D(BN)2Y(SR)2Y type fiber optic cables with the double sheath and armored by a laminated corrugated-steel tape for installation in cable ducts. |
| OKBB |  | |
| OKB |  | General information A-DF2Y(R)2Y (OKB) type fiber optic cables with double sheath, covered with galvanized steel armor for direct burial installation. |

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|------------|---|---|
| OKK-OKKS |  | <p>General information A-DF(ZN)2Y / A-DF(BN)2Y type fiber optic cable with dielectric structure, single-layer coated, with aramid or fiber glass yarns for suspension on power line pylons.</p> |
| OKKM-OKKMS |  | |
| OCT-T |  | |
| OCT |  | |
| OKV |  | |
| OKG-T |  | |
| OKG |  | <p>General information U-DF2Y type fiber optic cable with a central tube on which aramid yarns or glass yarns are put, single-layer-coated for cable jetting</p> |
| OKLT |  | <p>General information A-DF(ZN)2Y(SR)T2Y / A-DF(BN)2Y(SR)T2Y type fiber optic cable armored with laminated corrugated steel tape, double-sheathed, with (eight-stranded) suspension rope for suspension on power line pylons.</p> |
| OKLM-T |  | |

| | | |
|---------------|---|---|
| OKLT-T |  | |
| OKLMT |  | |
| OKGT-TS |  | <p>General information OPGW type cables stretched along the overhead power transmission line to protect wires from direct lightning strikes and to perform the function of data transmission through optical fibers.</p> |
| OKLMT-T |  | <p>General information A-D(ZN)(SR)T2Y / A-D(BN)(SR)T2Y type fiber optic cable with a central tube armored with laminated corrugated steel tape, single-layer-coated, with (eight-stranded) suspension rope for suspension on power line pylons.</p> |
| U/UTP CAT 5E |  | <p>General information It consists of four twisted pairs, which are covered with a protective tape, a drain wire and an aluminum opolymer tube. An outer protective shell sheath is applied on the conductor with an aluminum opolymer tube. Category: 5e.</p> |
| F/UTP CAT 5E |  | |
| SF/UTP CAT 5E |  | |

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| U/UTP CAT 6 |  | <p><u>General information</u> Twisted pairs are wound on a crossed insulator and sheathed with an outer protective jacket. Category: 6.</p> |
| F/UTP CAT 6 |  | <p><u>General information</u> Cable consists of twisted pairs screened by a crossed insulator, a protective PET tape, a drain wire, and an aluminum opolymer tape screen. Outer protective jacket covers the screen core. Category: 6.</p> |
| U/FTP CAT 6 |  | <p><u>General information</u> Cable consists of foil-screened twisted pairs stranded with a drain wire. Outer protective jacket covers the screen core. Category: 6.</p> |
| SF/UTP CAT 6 |  | <p><u>General information</u> Cable consists of twisted pairs screened by a crossed insulator, a protective PET tape, a drain wire, and an aluminum opolymer tape screen. Core screened by an aluminum opolymer tape screen is sheathed with tinned -copper wire and outer protective jacket covers the screen core. Category: 6.</p> |
| MG (ACC) |  | <p><u>General information</u> Wires are used in electrical systems and devices, antennas.</p> |