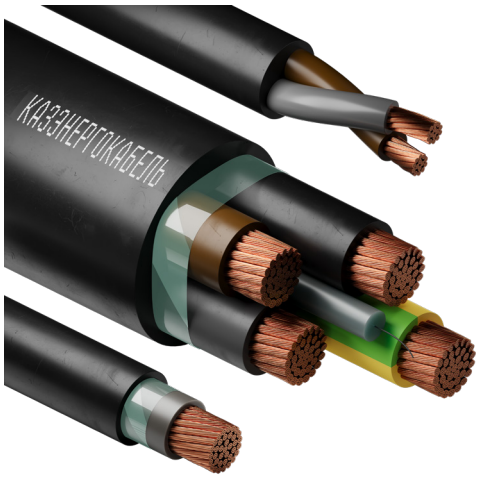
CABLE PRODUCTS

Power cables for non-stationary installation (GOST 24334-2020)

Flexible power cables of types KGTP and AsKGTP are designed for connecting mobile machines, mechanisms, and equipment to electrical networks and mobile power sources with a nominal voltage of up to 450/750 V AC at frequencies up to 400 Hz.



Cable construction:

— current-carrying conductors made of copper or aluminum alloy, class 5 according to GOST 22483-2021;

— insulation and outer sheath made of thermoplastic elastomer.

Current-carrying conductors:

— copper;

— made of aluminum alloy;

— class 5 according to GOST 22483-2021;

— conductor cross-section from 0.5 mm² to 630 mm²;

— number of conductors in the cable from 1 to 7.

Insulation and sheath made of thermoplastic elastomer;

Cables may have a shield made of copper wires «e».

Wide operating temperature range: from -60 to +50 °C.

Minimum installation temperature: -15 °C.

Climatic performance: UHL, HL, placement categories 1-3 (according to GOST 15150-69).

Warranty period: 1 year.

Service life: 4 years.

The cables are designed for operation in modes 2 (medium) and 3 (light) according to GOST 24334-2020.

The number of conductors and their nominal cross-sections are specified in the table:

Nominal cross-section of main conductors, mm²	Type of conductor	Number of conductors
0,5; 0,75; 1,0; 1,5; 2,5; 4; 6; 10; 16; 25; 35; 50; 70; 95; 120; 150; 185; 240; 300; 400; 500; 630	Main conductor	1-3
0,5; 0,75; 1,0; 1,5; 2,5; 4; 6; 10; 16; 25; 35; 50; 70; 95; 120; 150; 185; 240	Grounding conductor and/or neutral conductor	1, 2
0,5; 0,75; 1,0; 1,5; 2,5; 4; 6; 10; 16	Auxiliary conductor	1, 2
Note - the minimum cross-section of current-carrying conductors made of aluminum alloy wire is 6 mm²		

WE ARE ALWAYS OPEN FOR MUTUALLY BENEFICIAL COOPERATION

КАЗЭНЕРГОКАБЕЛЬ
Республика Казахстан,
Павлодарская область, г. Павлодар
kazkabel@kazkabel.kz Tel.: +7 (7182) 62 22 01 Internet: www.kazkabel.kz

KAZENERGOCABLE
Republic of Kazakhstan
Pavlodar region, Pavlodar

The insulation colors of the main conductors, grounding conductors, and neutral conductor are shown in the table below.

The insulation of the grounding conductor (PE) is green-yellow, and the insulation of the neutral conductor (N) is blue.

The insulation of auxiliary conductors can be any of the colors listed in the table below, except for blue and green-yellow.

By agreement with the customer, insulation marking of the conductors with numbers, starting from one, is allowed, except for the grounding and neutral conductors.

When using numerical marking, all insulated conductors of the same color, except for the green-yellow grounding conductor and the blue neutral conductor, shall be marked with numbers.

Number of conductors	**Color of insulation for main conductors, grounding conductor, and neutral conductor**				
	Conductor's ordinal number				
	1	2	3	4	5
1	Gray*	-	-	-	-
2	Gray*	Brown	-	-	-
3	Gray*	Brown	Black	-	-
	Gray*	Blue	Green-yellow		
4	Gray*	Brown	Black	Blue	-
	Gray*	Brown	Black	Green-yellow	-
5	Gray*	Brown	Black	Blue	Green-yellow
more than 5 conductors	Blue, green-yellow, the remaining conductors are gray* with numerical marking				
*Or natural Note – other colors for the main conductors may be used by agreement with the consumer					

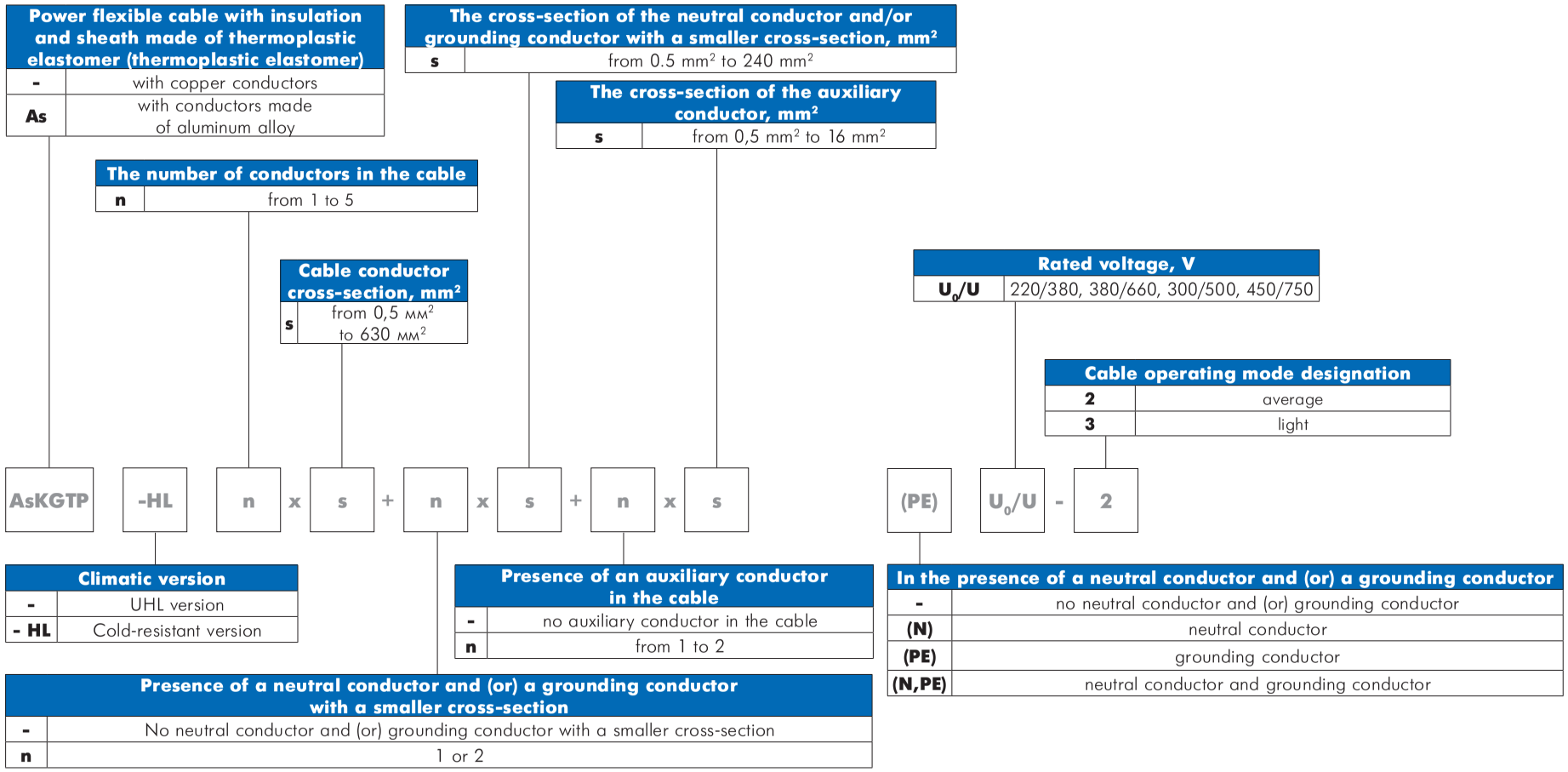
A separator layer of polyethylene terephthalate (PET) film strips is applied over the twisted insulated conductors of the cables. The outer gaps between the twisted insulated conductors are filled simultaneously with the application of the outer sheath made of thermoplastic elastomer.

The sheath color is black. For cables in HL performance, the sheath color is either blue or black.

Technical specifications

Nominal voltage	not more than 450/750 V AC with a frequency up to 400 Hz
The electrical resistance of insulation during operation, t = +20 °C, not less than	50 MΩ
The electrical resistance of current-carrying conductors, at t = +20 °C, not less than	complies with GOST 22483-2021
Test voltage, V	2500 V
Ambient temperature, upper limit	plus 50 °C
Ambient temperature, lower limit	– up to -60 °C – cables of HL climatic performance; – up to -50 °C – cables of other performances
Installation temperature, not lower than	– minus 30 °C – for cables of HL performance; – minus 15 °C – for cables of other performances
Maximum operating temperature of the conductor	plus 70 °C
Minimum allowable bending radius of the cables	8 calculated outer diameters of the cable
Minimum service life of the cables	4 years
Minimum warranty period of operation	1 year

Designations for ordering



КАЗЭНЕРГОКАБЕЛЬ KAZENERGOCABLE
Республика Казахстан, Republic of Kazakhstan
Павлодарская область, г. Павлодар Pavlodar region, Pavlodar
kazkabel@kazkabel.kz Tel.: +7 (7182) 62 22 01 Internet: www.kazkabel.kz