Zavod
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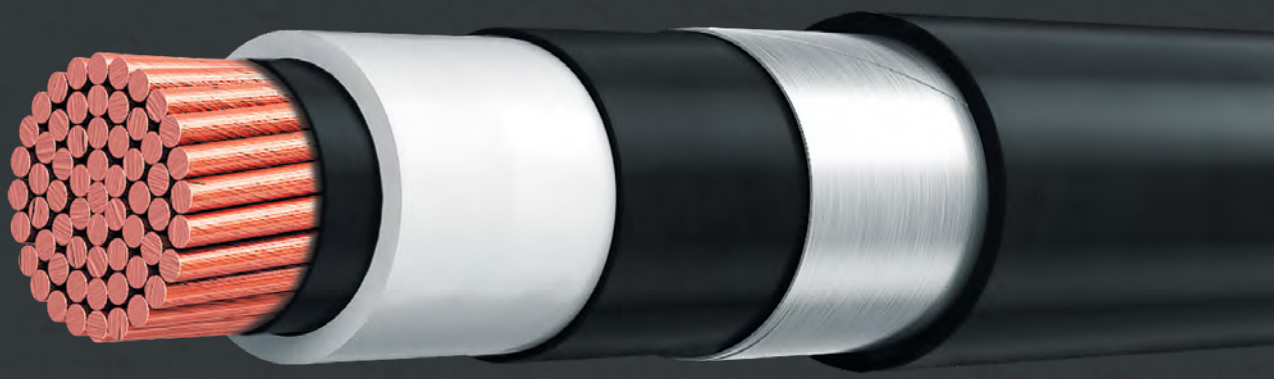
CROSS-LINKED POLYETHYLENE-INSULATED CABLES

FOR LOW AND MEDIUM VOLTAGE UP TO 35 kV



MOSKABELMET
Group of Companies

CROSS-LINKED POLYETHYLENE-INSULATED CABLES
FOR 0.66 AND 1 kV VOLTAGES

Cables with cross-linked polyethylene insulation for 0.66 and 1 kV voltages

TU 27.32.13-141-05758679-2019

Designed for power transmission and distribution in fixed electrical installations at 0.66 and 1 kV rated alternating voltage and 50 Hz rated frequency at industrial and power facilities.

Climatic versions УХЛ, ХЛ, location categories 1 and 5 as per GOST 15150.

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH COPPER CONDUCTOR	WITH ALUMINIUM CONDUCTOR		
К9СПвВ	КА9СПвВ	Cross-linked polyethylene insulation, polyvinyl chloride plastic sheath, unarmoured	О1.8.2.5.4
К9СПвЭВ	КА9СПвЭВ	The same, with a copper shield under the sheath	О1.8.2.5.4
К9СПвСБВ/ К9СПвАБВ	КА9СПвСБВ/ КА9СПвАБВ	Cross-linked polyethylene insulation, polyvinyl chloride plastic sheath, galvanized steel/ aluminium tape armour	О1.8.2.5.4
К9СПвЭСБВ/ К9СПвЭАБВ	КА9СПвЭСБВ/ КА9СПвЭАБВ	The same, with a copper screen	О1.8.2.5.4
К9СПвСКВ/ К9СПвАКВ	КА9СПвСКВ/ КА9СПвАКВ	Cross-linked polyethylene insulation, polyvinyl chloride sheath, armour of galvanized steel wires or aluminium wires	О1.8.2.5.4
К9СПвЭСКВ/ К9СПвЭАКВ	КА9СПвЭСКВ/ КА9СПвЭАКВ	The same, with a copper screen	О1.8.2.5.4
К9СПвАГВ	КА9СПвАГВ	Cross-linked polyethylene insulation, polyvinyl chloride sheath, armour of corrugated aluminium tubing	О1.8.2.5.4
К9СПвЭАГВ	КА9СПвЭАГВ	The same, with a copper screen	О1.8.2.5.4
К9СПвП	КА9СПвП	Cross-linked polyethylene insulation, polyethylene sheath, unarmoured	-
К9СПвЭП	КА9СПвЭП	The same, with a copper screen	-
К9СПвСБП/ К9СПвАБП	КА9СПвСБП/ КА9СПвАБП	Cross-linked polyethylene insulation, polyethylene sheath, galvanized steel/aluminium tape armour	-
К9СПвЭСБП/ К9СПвЭАБП	КА9СПвЭСБП/ КА9СПвЭАБП	The same, with a copper screen	-
К9СПвСКП/ К9СПвАКП	КА9СПвСКП/ КА9СПвАКП	Cross-linked polyethylene insulation, polyethylene sheath, armour of galvanized steel/ aluminium wires	-
К9СПвЭСКП/ К9СПвЭАКП	КА9СПвЭСКП/ КА9СПвЭАКП	The same, with a copper screen	-
К9СПвАГП	КА9СПвАГП	Cross-linked polyethylene insulation, polyethylene sheath, armour of corrugated aluminium tubing	-
К9СПвЭАГП	КА9СПвЭАГП	The same, with a copper screen	-
К9СПвАГПу	КА9СПвАГПу	Cross-linked polyethylene insulation, with reinforced polyethylene sheath, armour of corrugated aluminium tubing	-
К9СПвЭАГПу	КА9СПвЭАГПу	The same, with a copper screen	-
К9СПвПг	КА9СПвПг	Cross-linked polyethylene insulation, polyethylene sheath, unarmoured, with water-blocking elements	-
К9СПвЭПг	КА9СПвЭПг	The same, with a copper screen	-
К9СПвСБПг	КА9СПвСБПг	Cross-linked polyethylene insulation, polyethylene sheath with water-blocking elements	-
К9СПвЭСБПг	КА9СПвЭСБПг	The same, with a copper screen	-
К9СПвСКПг	КА9СПвСКПг	Cross-linked polyethylene insulation, polyethylene sheath, armour of galvanized steel wires, with water-blocking elements	-
К9СПвЭСКПг	КА9СПвЭСКПг	The same, with a copper screen	-

The letters ‘ХЛ’ shall be added to cold-resistant cable types.

Cables with cross-linked polyethylene insulation, flame-retardant and fire-resistant, for 0.66 and 1 kV voltage

TU 27.32.13-162-05758679-2020

Designed for the power transmission and distribution in fixed electrical installations at 0.66 and 1 kV rated AC voltage and 50 Hz rated frequency at industrial and power facilities.

УХЛ climatic version, location categories 1 and 5 as per GOST 15150.

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH COPPER CONDUCTOR	WITH ALUMINIUM CONDUCTOR		
К9СПвВнг(А)-LS	КА9СПвВнг(А)-LS	Cross-linked polyethylene insulation, sheath of a low-fire-hazard polyvinyl chloride compound, unarmoured	П16.8.2.2.2
К9СПвЭВнг(А)-LS	КА9СПвЭВнг(А)-LS	The same, with a copper screen	П16.8.2.2.2
К9СПвСБВнг(А)-LS	КА9СПвСБВнг(А)-LS	Cross-linked polyethylene insulation, sheath of a low-fire-hazard polyvinyl chloride compound, galvanized steel tape armour	П16.8.2.2.2
К9СПвЭСБВнг(А)-LS	КА9СПвЭСБВнг(А)-LS	The same, with a copper screen	П16.8.2.2.2
К9СПвСКВнг(А)-LS	КА9СПвСКВнг(А)-LS	Cross-linked polyethylene insulation, sheath of a low-fire-hazard polyvinyl chloride compound, armour of galvanized steel wires	П16.8.2.2.2
К9СПвЭСКВнг(А)-LS	КА9СПвЭСКВнг(А)-LS	The same, with a copper screen	П16.8.2.2.2
К9СПвАБВнг(А)-LS	КА9СПвАБВнг(А)-LS	Cross-linked polyethylene insulation, low-flame-retardant polyvinyl chloride sheath, aluminium tape armour	П16.8.2.2.2
К9СПвЭАБВнг(А)-LS	КА9СПвЭАБВнг(А)-LS	The same, with a copper screen	П16.8.2.2.2
К9СПвАКВнг(А)-LS	КА9СПвАКВнг(А)-LS	Cross-linked polyethylene insulation, low-flame-retardant polyvinyl chloride sheath, aluminium wire armour	П16.8.2.2.2
К9СПвЭАКВнг(А)-LS	КА9СПвЭАКВнг(А)-LS	The same, with a copper screen	П16.8.2.2.2
К9СПвАГВнг(А)-LS	КА9СПвАГВнг(А)-LS	Cross-linked polyethylene insulation, sheath of low-flame-retardant polyvinyl chloride compound, corrugated aluminium tubing armour	П16.8.2.2.2
К9СПвЭАГВнг(А)-LS	КА9СПвЭАГВнг(А)-LS	The same, with a copper screen	П16.8.2.2.2
К9СПвПнг(А)-HF	КА9СПвПнг(А)-HF	Cross-linked polyethylene insulation, sheath of halogen-free compound, unarmoured	П16.8.1.2.1
К9СПвЭПнг(А)-HF	КА9СПвЭПнг(А)-HF	The same, with a copper screen	П16.8.1.2.1
К9СПвСБПнг(А)-HF	КА9СПвСБПнг(А)-HF	Cross-linked polyethylene insulation, halogen-free sheath, galvanized steel tape armour	П16.8.1.2.1
К9СПвЭСБПнг(А)-HF	КА9СПвЭСБПнг(А)-HF	The same, with a copper screen	П16.8.1.2.1
К9СПвСКПнг(А)-HF	КА9СПвСКПнг(А)-HF	Cross-linked polyethylene insulation, halogen-free sheath, armour of galvanized steel wires	П16.8.1.2.1
К9СПвЭСКПнг(А)-HF	КА9СПвЭСКПнг(А)- HF	The same, with a copper screen	П16.8.1.2.1
К9СПвАБПнг(А)-HF	КА9СПвАБПнг(А)-HF	Cross-linked polyethylene insulation, halogen-free sheath, aluminium tape armour	П16.8.1.2.1
К9СПвЭАБПнг(А)-HF	КА9СПвЭАБПнг(А)- HF	The same, with a copper screen	П16.8.1.2.1
К9СПвАГПнг(А)-HF	КА9СПвАГПнг(А)-HF	Cross-linked polyethylene insulation, corrugated aluminium tubing armour, halogen-free compound sheath	П16.8.1.2.1
К9СПвЭАГПнг(А)-HF	КА9СПвЭАГПнг(А)-HF	The same, with a copper screen	П16.8.1.2.1
К9СПвАКПнг(А)-HF	КА9СПвАКПнг(А)-HF	Cross-linked polyethylene insulation, halogen-free compound sheath, aluminium wire armour	П16.8.1.2.1
К9СПвЭАКПнг(А)-HF	КА9СПвЭАКПнг(А)- HF	The same, with a copper screen	П16.8.1.2.1

Cables with cross-linked polyethylene insulation for 0.66 and 1 kV voltages

TU 27.32.13-162-05758679-2020

MOSKABELMET Group of Companies

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH COPPER CONDUCTOR	WITH ALUMINIUM CONDUCTOR		
К9СПвПМнг(А)-HF	КА9СПвПМнг(А)-HF	Cross-linked polyethylene insulation, halogen-free sheath, unarmoured, frost-resistant	П16.8.1.2.1
К9СПвЭПМнг(А)-HF	КА9СПвЭПМнг(А)-HF	The same, with a copper screen	П16.8.1.2.1
К9СПвСБПМнг(А)-HF	КА9СПвСБПМнг(А)- HF	Cross-linked polyethylene insulation, halogen-free sheath, galvanized steel tape armour, frost-resistant	П16.8.1.2.1
К9СПвЭСБПМнг(А)-HF	КА9СПвЭСБПМнг(А)- HF	The same, with a copper screen	П16.8.1.2.1
К9СПвСКПМнг(А)-HF	КА9СПвСКПМнг(А)- HF	Cross-linked polyethylene insulation, halogen-free sheath, armour of galvanized steel wires, frost-resistant	П16.8.1.2.1
К9СПвЭСКМПнг(А)-HF	К9СПвЭСКМПнг(А)- HF	The same, with a copper screen	П16.8.1.2.1
К9СПвАБПМнг(А)-HF	КА9СПвАБПМнг(А)- HF	Cross-linked polyethylene insulation, halogen-free sheath, aluminium tape armour, frost-resistant	П16.8.1.2.1
К9СПвЭАБПМнг(А)-HF	КА9СПвЭАБПМнг(А)- HF	The same, with a copper screen	П16.8.1.2.1
К9СПвАКПМнг(А)-HF	КА9СПвАКПМнг(А)- HF	Cross-linked polyethylene insulation, halogen-free compound sheath, aluminium wire armour, frost-resistant	П16.8.1.2.1
К9СПвЭАКПМнг(А)-HF	КА9СПвЭАКПМнг(А)- HF	The same, with a copper screen	П16.8.1.2.1
К9СПвАГПМнг(А)-HF	КА9СПвАГПМнг(А)- HF	Cross-linked polyethylene insulation, corrugated aluminium tubing armour, halogen-free compound sheath, frost-resistant	П16.8.1.2.1
К9СПвЭАГПМнг(А)-HF	КА9СПвЭАГПМнг(А)- HF	The same, with a copper screen	П16.8.1.2.1
К9СПвВнг(А)-FRLS	-	Cross-linked polyethylene insulation, with a fire-resistant barrier along the core, sheath of a low-fire-hazard polyvinyl chloride compound, unarmoured	П16.1.2.2.2
К9СПвЭВнг(А)-FRLS	-	The same, with a copper screen	П16.1.2.2.2
К9СПвСБВнг(А)-FRLS	-	Cross-linked polyethylene insulation, with a fire-resistant barrier along the core, sheath of a low-fire-hazard polyvinyl chloride compound, galvanized steel tape armour	П16.1.2.2.2
К9СПвЭСБВнг(А)-FRLS	-	The same, with a copper screen	П16.1.2.2.2
К9СПвСКВнг(А)-FRLS	-	Cross-linked polyethylene insulation, with a fire-resistant barrier along the core, sheath of a low-fire-hazard polyvinyl chloride compound, armour of galvanized steel wires	П16.1.2.2.2
К9СПвЭСКВнг(А)-FRLS	-	The same, with a copper screen	П16.1.2.2.2
К9СПвАБВнг(А)-FRLS	-	Cross-linked polyethylene insulation, with a fire-resistant barrier along the core, sheath of a low-fire-hazard polyvinyl chloride compound, aluminium tape armour	П16.1.2.2.2
К9СПвЭАБВнг(А)-FRLS	-	The same, with a copper screen	П16.1.2.2.2
К9СПвАКВнг(А)-FRLS	-	Cross-linked polyethylene insulation, with a fire-resistant barrier along the core, sheath of a low-fire-hazard polyvinyl chloride compound, armour of aluminium wires	П16.1.2.2.2
К9СПвЭАКВнг(А)-FRLS	-	The same, with a copper screen	П16.1.2.2.2
К9СПвАГВнг(А)-FRLS	-	Cross-linked polyethylene insulation, with a fire-resistant barrier along the core, sheath of a low-fire-hazard polyvinyl chloride compound, corrugated aluminium tubing armour	П16.1.2.2.2
К9СПвЭАГВнг(А)-FRLS	-	The same, with a copper screen	П16.1.2.2.2
К9СПвПнг(А)-FRHF	-	Cross-linked polyethylene insulation, with a flame-retardant barrier along the core, halogen-free compound sheath, unarmoured	П16.1.1.2.1
К9СПвЭПнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1
К9СПвСБПнг(А)-FRHF	-	Cross-linked polyethylene insulation, with a flame-retardant barrier along the core, halogen-free compound sheath, galvanized steel tape armour	П16.1.1.2.1
К9СПвЭСБПнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1

Cables with cross-linked polyethylene insulation for 0.66 and 1 kV voltages

TU 27.32.13-162-05758679-2020

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH COPPER CONDUCTOR	WITH ALUMINIUM CONDUCTOR		
К9СПвСКПнг(А)-FRHF	-	Cross-linked polyethylene insulation, with a flame-retardant barrier along the core, halogen-free compound sheath, armour of galvanized steel wires	П16.1.1.2.1
К9СПвЭСКПнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1
К9СПвАБПнг(А)-FRHF	-	Cross-linked polyethylene insulation, with a flame-retardant barrier along the core, halogen-free compound sheath, aluminium tape armour	П16.1.1.2.1
К9СПвЭАБПнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1
К9СПвАКПнг(А)-FRHF	-	Cross-linked polyethylene insulation, with a flame-retardant barrier along the core, halogen-free compound sheath, armour of aluminium wires	П16.1.1.2.1
К9СПвЭАКПнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1
К9СПвАГПнг(А)-FRHF	-	Cross-linked polyethylene insulation, with a fire-resistant barrier along the core, corrugated aluminium tubing armour, halogen-free compound sheath	П16.1.1.2.1
К9СПвЭАГПнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1
К9СПвПМнг(А)-FRHF	-	Cross-linked polyethylene insulation, with a fire-resistant barrier along the core, halogen-free compound sheath, unarmoured, frost-resistant	П16.1.1.2.1
К9СПвЭПМнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1
К9СПвСБПМнг(А)-FRHF	-	Cross-linked polyethylene insulation, with a flame-retardant barrier along the core, halogen-free compound sheath, galvanized steel tape armour, frost-resistant	П16.1.1.2.1
К9СПвЭСБПМнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1
К9СПвСКПМнг(А)-FRHF	-	Cross-linked polyethylene insulation, with a flame-retardant barrier along the core, halogen-free compound sheath, galvanized steel wire armour, frost-resistant	П16.1.1.2.1
К9СПвЭСКПМнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1
К9СПвАБПМнг(А)-FRHF	-	Cross-linked polyethylene insulation, with a flame-retardant barrier along the core, halogen-free compound sheath, aluminium tape armour, frost-resistant	П16.1.1.2.1
К9СПвЭАБПМнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1
К9СПвАКПМнг(А)- FRHF	-	Cross-linked polyethylene insulation, with a flame-retardant barrier along the core, halogen-free compound sheath, aluminium wire armour, frost-resistant	П16.1.1.2.1
К9СПвЭАКПМнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1
К9СПвАГПМнг(А)-FRHF	-	Cross-linked polyethylene insulation with a fire-retardant barrier along the core, corrugated aluminium tubing armour, halogen-free compound sheath, frost-resistant	П16.1.1.2.1
К9СПвЭАГПМнг(А)-FRHF	-	The same, with a copper screen	П16.1.1.2.1

Test procedure and requirements

The cables are designed for use in AC power networks with an earthed or isolated neutral, with maximum 8 hours operation under a single-phase earth fault, and maximum 125 hours/year total operation under a single-phase earth fault.

Cables with cross-linked polyethylene insulation for 0.66 and 1 kV voltages

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MOSKABELMET Group of Companies

RATED VOLTAGE	0.66/1 kV
Ambient temperature during cable operation: - ХЛ cables, or polyethylene outer sheath cables, or frost-resistant cables	-50°C to +50°C -60°C to +50°C
Relative air humidity (at max. +35°C)	98%
Minimum cable laying temperature without preheating: - ХЛ cable or cable with polyethylene outer sheath - Frost-resistant cables: min.	-15°C -20°C -35°C
Maximum continuously permissible operating temperature of cable conductors	90°C
Maximum permissible temperature of cable conductors under emergency conditions (overload conditions)	130°C
Maximum conductor temperature preventing the cable ignition during a short circuit	400°C
Maximum temperature of cable conductors during a short circuit	250°C
Minimum permissible bending radius during installation: - Single-core cable - Multi-core cable	10 cable diameters 7.5 cable diameters
Maximum permissible tensile forces during cable pulling along the route: for cables with aluminium conductors for cables with copper conductors	30 N/mm^2 for conductor cross-section 50 N/mm^2 of conductor cross-section
Service life	30 years

Permissible current loads for cables with copper conductors and cross-linked polyethylene insulation

NOMINAL CONDUCTOR CROSS-SECTION, mm^2	PERMISSIBLE CURRENT LOADS FOR CABLES, A					
	SINGLE-CONDUCTOR				MULTI-CONDUCTOR**	
	AT DIRECT CURRENT		AT ALTERNATING CURRENT*		AT ALTERNATING CURRENT	
	IN THE AIR	IN THE GROUND	IN THE AIR	IN THE GROUND	IN THE AIR	IN THE GROUND
1.5	35	48	28	33	25	31
2.5	46	63	36	42	34	40
4	60	82	47	54	45	52
6	76	102	59	67	56	64
10	105	136	82	89	78	86
16	139	175	108	115	104	112
25	188	228	146	147	141	144
35	230	274	180	176	172	173
50	281	325	220	208	209	205
70	356	399	279	255	265	253
95	440	478	345	306	327	304
120	514	546	403	348	381	347
150	591	614	464	392	437	391
185	685	695	538	443	504	442
240	821	812	641	515	598	515
300	956	924	739	575	688	583
400	1,124	1,060	860	661	807	669
500	1,328	1,223	997	746	-	
625/630	1,576	1,416	1,149	840		
800	1,857	1,632	1,302	932		
1,000	2,163	1,862	1,451	1,019		

* Side-by-side trefoil formation.

** Multiply these values by a factor of 0.93 to determine the current loads of four-core cables with equal cross-section conductors in four-wire networks when all conductors are loaded under normal operating conditions, and for five-core cables.

Cables with cross-linked polyethylene insulation for 0.66 and 1 kV voltages

TU 27.32.13-162-05758679-2020

Permissible current loads for cables with aluminium conductors and cross-linked polyethylene insulation

NOMINAL CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A					
	SINGLE-CONDUCTOR				MULTI-CONDUCTOR**	
	AT DIRECT CURRENT		AT ALTERNATING CURRENT*		AT ALTERNATING CURRENT	
	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND
2.5	35	36	26	34	24	32
4	46	46	35	44	34	42
6	59	59	43	54	43	50
10	80	77	58	71	58	67
16	108	94	79	93	78	87
25	144	176	112	114	108	112
35	176	211	138	136	134	135
50	217	251	171	161	158	157
70	276	309	216	198	203	195
95	340	371	267	237	248	233
120	399	423	313	271	290	267
150	457	474	360	304	330	299
185	531	539	419	346	382	341
240	636	629	501	403	453	397
300	738	713	580	455	538	455
400	871	822	682	523	636	527
500	1,030	949	800	599	-	-
625/630	1,221	1,098	936	685		
800	1,437	1,262	1,081	773		
1,000	1,676	1,443	1,227	862		

* Side-by-side trefoil formation.

** Multiply these values by a factor of 0.93 to determine the current loads of four-core cables with equal cross-section conductors in four-wire networks when all conductors are loaded under normal operating conditions, and for five-core cables.

The permissible current loads shall be calculated for the following design conditions:

- Ambient temperature: 25 °C for cables laid above ground, 15 °C for cables laid underground;
- Depth of cable burial: 0.7 m;
- Soil specific thermal resistance – 1.2 K·m/W.

Permissible short-circuit currents for cables

NOMINAL CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE ONE-SECOND SHORT-CIRCUIT CURRENTS FOR CABLES, kA	
	WITH COPPER CONDUCTOR	WITH ALUMINIUM CONDUCTOR
1.5	0.21	-
2.5	0.34	0.22
4	0.54	0.36
6	0.81	0.52
10	1.36	0.87
16	2.16	1.40
25	3.46	2.24
35	4.80	3.09
50	6.50	4.18
70	9.38	6.12
95	13.03	8.48
120	16.43	10.71
150	20.26	13.16
185	25.35	16.53
240	33.32	21.70
300	41.64	27.12
400	55.20	36.16
500	69.00	45.20
625/630	86.95	56.95
800	110.40	72.33
1,000	138.00	90.40

If the short-circuit duration differs from 1 s, multiply the short-circuit current values in the Table by a factor k, calculated using the formula:

$$k = \frac{1}{\sqrt{T}},°$$

Where T is the short-circuit duration, s.
The maximum short-circuit duration must not exceed 5 s.

CABLE JOINTS

TERMINAL

ПКВНТп joints are designed for terminating power cables with cross-linked polyethylene insulation rated for max. 1 kV voltages and 50 Hz frequency. The joints shall be used for both indoor and outdoor installation.

FOR SINGLE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТп-1-1x(10-25)	The MyFTA ПКВНТпН-1-1x(10-25)	10, 16, 25
The MyFTA ПКВНТп-1-1x(25-50)	The MyFTA ПКВНТпН-1-1x(25-50)	25, 50
The MyFTA ПКВНТп-1-1x(70-120)	The MyFTA ПКВНТпН-1-1x(70-120)	70, 95, 120
The MyFTA ПКВНТп-1-1x(150-240)	The MyFTA ПКВНТпН-1-1x(150-240)	150, 185, 240

FOR MILTI-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТп-1-2x(10-25)	The MyFTA ПКВНТпН-1-2x(10-25)	10, 16, 25
The MyFTA ПКВНТп-1-2x(25-50)	The MyFTA ПКВНТпН-1-2x(25-50)	25, 50
The MyFTA ПКВНТп-1-2x(70-120)	The MyFTA ПКВНТпН-1-2x(70-120)	70, 95, 120
The MyFTA ПКВНТп-1-2x(150-240)	The MyFTA ПКВНТпН-1-2x(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТп-1-3x(10-25)	The MyFTA ПКВНТпН-1-3x(10-25)	10, 16, 25
The MyFTA ПКВНТп-1-3x(25-50)	The MyFTA ПКВНТпН-1-3x(25-50)	25, 50
The MyFTA ПКВНТп-1-3x(70-120)	The MyFTA ПКВНТпН-1-3x(70-120)	70, 95, 120
The MyFTA ПКВНТп-1-3x(150-240)	The MyFTA ПКВНТпН-1-3x(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТп-1-4x(10-25)	The MyFTA ПКВНТпН-1-4x(10-25)	10, 16, 25
The MyFTA ПКВНТп-1-4x(25-50)	The MyFTA ПКВНТпН-1-4x(25-50)	25, 50
The MyFTA ПКВНТп-1-4x(70-120)	The MyFTA ПКВНТпН-1-4x(70-120)	70, 95, 120
The MyFTA ПКВНТп-1-4x(150-240)	The MyFTA ПКВНТпН-1-4x(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТп-1-5x(10-25)	The MyFTA ПКВНТпН-1-5x(10-25)	10, 16, 25
The MyFTA ПКВНТп-1-5x(25-50)	The MyFTA ПКВНТпН-1-5x(25-50)	25, 50
The MyFTA ПКВНТп-1-5x(70-120)	The MyFTA ПКВНТпН-1-5x(70-120)	70, 95, 120
The MyFTA ПКВНТп-1-5x(150-240)	The MyFTA ПКВНТпН-1-5x(150-240)	150, 185, 240

FOR TAPE-ARMOUR CABLE

FOR SINGLE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТпб-1-1х(10-25)	The MyFTA ПКВНТпНб-1-1х(10-25)	10, 16, 25
The MyFTA ПКВНТпб-1-1х(25-50)	The MyFTA ПКВНТпНб-1-1х(25-50)	25, 50
The MyFTA ПКВНТпб-1-1х(70-120)	The MyFTA ПКВНТпНб-1-1х(70-120)	70, 95, 120
The MyFTA ПКВНТпб-1-1х(150-240)	The MyFTA ПКВНТпНб-1-1х(150-240)	150, 185, 240

FOR MILTI-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТпб-1-2х(10-25)	The MyFTA ПКВНТпНб-1-2х(10-25)	10, 16, 25
The MyFTA ПКВНТпб-1-2х(25-50)	The MyFTA ПКВНТпНб-1-2х(25-50)	25, 50
The MyFTA ПКВНТпб-1-2х(70-120)	The MyFTA ПКВНТпНб-1-2х(70-120)	70, 95, 120
The MyFTA ПКВНТпб-1-2х(150-240)	The MyFTA ПКВНТпНб-1-2х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТпб-1-3х(10-25)	The MyFTA ПКВНТпНб-1-3х(10-25)	10, 16, 25
The MyFTA ПКВНТпб-1-3х(25-50)	The MyFTA ПКВНТпНб-1-3х(25-50)	25, 50
The MyFTA ПКВНТпб-1-3х(70-120)	The MyFTA ПКВНТпНб-1-3х(70-120)	70, 95, 120
The MyFTA ПКВНТпб-1-3х(150-240)	The MyFTA ПКВНТпНб-1-3х(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТпб-1-4х(10-25)	The MyFTA ПКВНТпНб-1-4х(10-25)	10, 16, 25
The MyFTA ПКВНТпб-1-4х(25-50)	The MyFTA ПКВНТпНб-1-4х(25-50)	25, 50
The MyFTA ПКВНТпб-1-4х(70-120)	The MyFTA ПКВНТпНб-1-4х(70-120)	70, 95, 120
The MyFTA ПКВНТпб-1-4х(150-240)	The MyFTA ПКВНТпНб-1-4х(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТпб-1-5х(10-25)	The MyFTA ПКВНТпНб-1-5х(10-25)	10, 16, 25
The MyFTA ПКВНТпб-1-5х(25-50)	The MyFTA ПКВНТпНб-1-5х(25-50)	25, 50
The MyFTA ПКВНТпб-1-5х(70-120)	The MyFTA ПКВНТпНб-1-5х(70-120)	70, 95, 120
The MyFTA ПКВНТпб-1-5х(150-240)	The MyFTA ПКВНТпНб-1-5х(150-240)	150, 185, 240

FOR WIRE-ARMOUR CABLE

FOR SINGLE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТпкп-1-1х(10-25)	The MyFTA ПКВНТпНкп-1-1х(10-25)	10, 16, 25
The MyFTA ПКВНТпкп-1-1х(25-50)	The MyFTA ПКВНТпНкп-1-1х(25-50)	25, 50
The MyFTA ПКВНТпкп-1-1х(70-120)	The MyFTA ПКВНТпНкп-1-1х(70-120)	70, 95, 120
The MyFTA ПКВНТпкп-1-1х(150-240)	The MyFTA ПКВНТпНкп-1-1х(150-240)	150, 185, 240

FOR MILTI-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТпкп-1-2х(10-25)	The MyFTA ПКВНТпНкп-1-2х(10-25)	10, 16, 25
The MyFTA ПКВНТпкп-1-2х(25-50)	The MyFTA ПКВНТпНкп-1-2х(25-50)	25, 50
The MyFTA ПКВНТпкп-1-2х(70-120)	The MyFTA ПКВНТпНкп-1-2х(70-120)	70, 95, 120
The MyFTA ПКВНТпкп-1-2х(150-240)	The MyFTA ПКВНТпНкп-1-2х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТпкп-1-3х(10-25)	The MyFTA ПКВНТпНкп-1-3х(10-25)	10, 16, 25
The MyFTA ПКВНТпкп-1-3х(25-50)	The MyFTA ПКВНТпНкп-1-3х(25-50)	25, 50
The MyFTA ПКВНТпкп-1-3х(70-120)	The MyFTA ПКВНТпНкп-1-3х(70-120)	70, 95, 120
The MyFTA ПКВНТпкп-1-3х(150-240)	The MyFTA ПКВНТпНкп-1-3х(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТпкп-1-4х(10-25)	The MyFTA ПКВНТпНкп-1-4х(10-25)	10, 16, 25
The MyFTA ПКВНТпкп-1-4х(25-50)	The MyFTA ПКВНТпНкп-1-4х(25-50)	25, 50
The MyFTA ПКВНТпкп-1-4х(70-120)	The MyFTA ПКВНТпНкп-1-4х(70-120)	70, 95, 120
The MyFTA ПКВНТпкп-1-4х(150-240)	The MyFTA ПКВНТпНкп-1-4х(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA ПКВНТпкп-1-5х(10-25)	The MyFTA ПКВНТпНкп-1-5х(10-25)	10, 16, 25
The MyFTA ПКВНТпкп-1-5х(25-50)	The MyFTA ПКВНТпНкп-1-5х(25-50)	25, 50
The MyFTA ПКВНТпкп-1-5х(70-120)	The MyFTA ПКВНТпНкп-1-5х(70-120)	70, 95, 120
The MyFTA ПКВНТпкп-1-5х(150-240)	The MyFTA ПКВНТпНкп-1-5х(150-240)	150, 185, 240

CONNECTING

ПСТп joints are designed to connect power cables with cross-linked polyethylene insulation rated for max. 1 kV voltages and 50 Hz frequency.

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТп-1-1х(10-25)-бг	The MyFTA ПСТп-1-1х(10-25)	10, 16, 25
The MyFTA ПСТп-1-1х(25-50)-бг	The MyFTA ПСТп-1-1х(25-50)	25, 50
The MyFTA ПСТп-1-1х(70-120)-бг	The MyFTA ПСТп-1-1х(70-120)	70, 95, 120
The MyFTA ПСТп-1-1х(150-240)-бг	The MyFTA ПСТп-1-1х(150-240)	150, 185, 240

FOR MILTI-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТп-1-2х(10-25)-бг	The MyFTA ПСТп-1-2х(10-25)	10, 16, 25
The MyFTA ПСТп-1-2х(25-50)-бг	The MyFTA ПСТп-1-2х(25-50)	25, 50
The MyFTA ПСТп-1-2х(70-120)-бг	The MyFTA ПСТп-1-2х(70-120)	70, 95, 120
The MyFTA ПСТп-1-2х(150-240)-бг	The MyFTA ПСТп-1-2х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТп-1-3х(10-25)-бг	The MyFTA ПСТп-1-3х(10-25)	10, 16, 25
The MyFTA ПСТп-1-3х(25-50)-бг	The MyFTA ПСТп-1-3х(25-50)	25, 50
The MyFTA ПСТп-1-3х(70-120)-бг	The MyFTA ПСТп-1-3х(70-120)	70, 95, 120
The MyFTA ПСТп-1-3х(150-240)-бг	The MyFTA ПСТп-1-3х(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТп-1-4х(10-25)-бг	The MyFTA ПСТп-1-4х(10-25)	10, 16, 25
The MyFTA ПСТп-1-4х(25-50)-бг	The MyFTA ПСТп-1-4х(25-50)	25, 50
The MyFTA ПСТп-1-4х(70-120)-бг	The MyFTA ПСТп-1-4х(70-120)	70, 95, 120
The MyFTA ПСТп-1-4х(150-240)-бг	The MyFTA ПСТп-1-4х(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТп-1-5х(10-25)-бг	The MyFTA ПСТп-1-5х(10-25)	10, 16, 25
The MyFTA ПСТп-1-5х(25-50)-бг	The MyFTA ПСТп-1-5х(25-50)	25, 50
The MyFTA ПСТп-1-5х(70-120)-бг	The MyFTA ПСТп-1-5х(70-120)	70, 95, 120
The MyFTA ПСТп-1-5х(150-240)-бг	The MyFTA ПСТп-1-5х(150-240)	150, 185, 240

FOR TAPE-ARMOUR CABLE

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТпб-1-1x(10-25)-бг	The MyFTA ПСТпб-1-1x(10-25)	10, 16, 25
The MyFTA ПСТпб-1-1x(25-50)-бг	The MyFTA ПСТпб-1-1x(25-50)	25, 50
The MyFTA ПСТпб-1-1x(70-120)-бг	The MyFTA ПСТпб-1-1x(70-120)	70, 95, 120
The MyFTA ПСТпб-1-1x(150-240)-бг	The MyFTA ПСТпб-1-1x(150-240)	150, 185, 240

FOR MILTI-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТпб-1-2x(10-25)-бг	The MyFTA ПСТпб-1-2x(10-25)	10, 16, 25
The MyFTA ПСТпб-1-2x(25-50)-бг	The MyFTA ПСТпб-1-2x(25-50)	25, 50
The MyFTA ПСТпб-1-2x(70-120)-бг	The MyFTA ПСТпб-1-2x(70-120)	70, 95, 120
The MyFTA ПСТпб-1-2x(150-240)-бг	The MyFTA ПСТпб-1-2x(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТпб-1-3x(10-25)-бг	The MyFTA ПСТпб-1-3x(10-25)	10, 16, 25
The MyFTA ПСТпб-1-3x(25-50)-бг	The MyFTA ПСТпб-1-3x(25-50)	25, 50
The MyFTA ПСТпб-1-3x(70-120)-бг	The MyFTA ПСТпб-1-3x(70-120)	70, 95, 120
The MyFTA ПСТпб-1-3x(150-240)-бг	The MyFTA ПСТпб-1-3x(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТпб-1-4x(10-25)-бг	The MyFTA ПСТпб-1-4x(10-25)	10, 16, 25
The MyFTA ПСТпб-1-4x(25-50)-бг	The MyFTA ПСТпб-1-4x(25-50)	25, 50
The MyFTA ПСТпб-1-4x(70-120)-бг	The MyFTA ПСТпб-1-4x(70-120)	70, 95, 120
The MyFTA ПСТпб-1-4x(150-240)-бг	The MyFTA ПСТпб-1-4x(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТпб-1-5x(10-25)-бг	The MyFTA ПСТпб-1-5x(10-25)-бг	10, 16, 25
The MyFTA ПСТпб-1-5x(25-50)-бг	The MyFTA ПСТпб-1-5x(25-50)-бг	25, 50
The MyFTA ПСТпб-1-5x(70-120)-бг	The MyFTA ПСТпб-1-5x(70-120)-бг	70, 95, 120
The MyFTA ПСТпб-1-5x(150-240)-бг	The MyFTA ПСТпб-1-5x(150-240)-бг	150, 185, 240

FOR WIRE-ARMOUR CABLE

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТпкп-1-1x(10-25)-бг	The MyFTA ПСТпкп-1-1x(10-25)	10, 16, 25
The MyFTA ПСТпкп-1-1x(25-50)-бг	The MyFTA ПСТпкп-1-1x(25-50)	25, 50
The MyFTA ПСТпкп-1-1x(70-120)-бг	The MyFTA ПСТпкп-1-1x(70-120)	70, 95, 120
The MyFTA ПСТпкп-1-1x(150-240)-бг	The MyFTA ПСТпкп-1-1x(150-240)	150, 185, 240

FOR MILTI-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТпкп-1-2x(10-25)-бг	The MyFTA ПСТпкп-1-2x(10-25)	10, 16, 25
The MyFTA ПСТпкп-1-2x(25-50)-бг	The MyFTA ПСТпкп-1-2x(25-50)	25, 50
The MyFTA ПСТпкп-1-2x(70-120)-бг	The MyFTA ПСТпкп-1-2x(70-120)	70, 95, 120
The MyFTA ПСТпкп-1-2x(150-240)-бг	The MyFTA ПСТпкп-1-2x(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТпкп-1-3x(10-25)-бг	The MyFTA ПСТпкп-1-3x(10-25)	10, 16, 25
The MyFTA ПСТпкп-1-3x(25-50)-бг	The MyFTA ПСТпкп-1-3x(25-50)	25, 50
The MyFTA ПСТпкп-1-3x(70-120)-бг	The MyFTA ПСТпкп-1-3x(70-120)	70, 95, 120
The MyFTA ПСТпкп-1-3x(150-240)-бг	The MyFTA ПСТпкп-1-3x(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТпкп-1-4x(10-25)	The MyFTA ПСТпкп-1-4x(10-25)	10, 16, 25
The MyFTA ПСТпкп-1-4x(25-50)	The MyFTA ПСТпкп-1-4x(25-50)	25, 50
The MyFTA ПСТпкп-1-4x(70-120)	The MyFTA ПСТпкп-1-4x(70-120)	70, 95, 120
The MyFTA ПСТпкп-1-4x(150-240)	The MyFTA ПСТпкп-1-4x(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA ПСТпкп-1-5x(10-25)-бг	The MyFTA ПСТпкп-1-5x(10-25)	10, 16, 25
The MyFTA ПСТпкп-1-5x(25-50)-бг	The MyFTA ПСТпкп-1-5x(25-50)	25, 50
The MyFTA ПСТпкп-1-5x(70-120)-бг	The MyFTA ПСТпкп-1-5x(70-120)	70, 95, 120
The MyFTA ПСТпкп-1-5x(150-240)-бг	The MyFTA ПСТпкп-1-5x(150-240)	150, 185, 240

These joints may be made in -нг, -нгLS, -нгHF и -нгFRLS versions.

For example, The MyFTA ПКВНТпНкп(нгLS)-1-5x(10-25) or The MyFTA ПСТпкп(нгHF)-1-5x(10-25)

MOSKABELMET
Group of Companies

CROSS-LINKED POLYETHYLENE-INSULATED CABLES
FOR 6-35 kV VOLTAGE

Cross-linked polyethylene-insulated cables for 6–35 kV voltages

TU 27.32.14-142-05758679-2018

Types: К(А)9СПвП, К(А)9СПвПу, К(А)9СПвВ, К(А)9СПвПу,
К(А) 9СПв(2)Пу, К(А)9СПвСБП, К(А)9СПвСБ(1)Пу, К(А)9САПвСБВ,
К(А)9СПвСКП, К(А)9СПвСК(1)Пу, К(А)9СПвАГПу, К(А)9СПвСКВ,
К(А)9СПвАБП, К(А)9СПвАГВ, К(А)9СПвАБ(1)Пу, К(А)9СПвАБВ,
К(А)9СПвАКП, К(А)9СПвАК(1)Пу, К(А)9СПвАКВ, К(А)9СПвАГП,

К(А)9СПвВнг(А)-LS, К(А)9СПвСБВнг(А)-LS, К(А)9СПвСКВнг(А)-LS,
К(А)9СПвАБВнг(А)-LS, К(А)9СПвАКВнг(А)-LS, К(А)9СПвАГВнг(А)-LS

К(А)9СПвАГВнг(А)-LS К(А)9СПвПнг(А)-HF, К(А)9СПвСБПнг(А)-HF,
К(А)9СПвСКПнг(А)-HF, К(А)9СПвАБПнг(А)-HF,
К(А)9СПвАКПнг(А)-HF, К(А)9СПвАГПнг(А)-HF

Scope of Application:

The cables are designed for power transmission and distribution in fixed installations at 6 to 35 kV rated alternating voltage and 50 Hz rated frequency.

УХЛ and ХЛ climatic versions, location categories 1–5 as per GOST 15150-69.

Test procedure and requirements

RATED VOLTAGE	6 – 35 kV
Ambient temperature during cable operation: - ХЛ versions and with polyethylene outer sheath	-50°C to +50°C -60°C to +50°C
Relative air humidity (at max. +35 °C)	98%
Minimum cable laying temperature without preheating: - ХЛ versions and with polyethylene outer sheath	-15°C -20°C
Maximum continuously permissible operating temperature of cable conductors	90°C
Maximum permissible temperature of cable conductors under emergency conditions (overload conditions)	130°C
Maximum conductor temperature preventing the cable ignition during a short circuit	400°C
Maximum temperature of cable conductors during a short circuit	250°C
Maximum copper screen temperature during a short circuit	350°C
Maximum temperature of the plain aluminium tubing screen during a short circuit	200°C

Cross-linked polyethylene-insulated cables for 6–35 kV voltages

TU 27.32.14-142-05758679-2018

RATED VOLTAGE	6 – 35 kV
Maximum duration of cable operation under overload conditions:	8 hours per day or 1000 hours over the years of service
Maximum permissible tensile forces during cable pulling along the route must not exceed those calculated using the formula: where F - is the permissible tensile force on the cable, N; S - is the total cross-sectional area of the cable conductors, mm^2; σ - permissible stress, equal to 30 N/mm^2 for aluminium conductors and 50 N/mm^2 - for copper	$F = S \cdot \sigma$
Minimum permissible bending radius during installation: - Single-core cable - Multi-core cable	15 cable diameters 12 cable diameters
Cables may be bent to a minimum radius	7.5 cable diameters when installed using a special template
Service life	30 years
Warranty period for cable operation	5 years

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH COPPER CONDUCTOR	WITH ALUMINIUM CONDUCTOR		
К9СПвП	КА9СПвП	Cross-linked polyethylene insulation, polyethylene outer sheath	О2.8.2.5.4
К9СПвПу	КА9СПвПу	Cross-linked polyethylene insulation, reinforced polyethylene outer sheath	О2.8.2.5.4
К9СПв(1)Пу	КА9СПв(1)Пу	Cross-linked polyethylene insulation, reinforced polyethylene outer sheath, with longitudinal sealing	О2.8.2.5.4
К9СПв(2)Пу	КА9СПв(2)Пу	Cross-linked polyethylene insulation, reinforced polyethylene outer sheath, with double longitudinal sealing	О2.8.2.5.4
К9СПвСБП	КА9СПвСБП	Cross-linked polyethylene insulation, metal alloy tape armour, polyethylene outer sheath	О2.8.2.5.4
К9СПвСБ(1)Пу	КА9СПвСБ(1)Пу	Cross-linked polyethylene insulation, metal alloy tape armour, reinforced polyethylene outer sheath, with longitudinal sealing	О2.8.2.5.4
К9СПвСКП	КА9СПвСКП	Cross-linked polyethylene insulation, metal alloy wire armour, polyethylene outer sheath	О2.8.2.5.4
К9СПвСК(1)Пу	КА9СПвСК(1)Пу	Cross-linked polyethylene insulation, metal alloy wire armour, reinforced polyethylene outer sheath, with longitudinal sealing	О2.8.2.5.4
К9СПвАБП	КА9СПвАБП	Cross-linked polyethylene insulation, aluminium/aluminium alloy tape armour, polyethylene outer sheath	О2.8.2.5.4
К9СПвАБ(1)Пу	КА9СПвАБ(1)Пу	Cross-linked polyethylene insulation, aluminium/aluminium alloy tape armour, reinforced polyethylene outer sheath, with longitudinal sealing	О2.8.2.5.4
К9СПвАКП	КА9СПвАКП	Cross-linked polyethylene insulation, armour of aluminium or aluminium alloy wires, polyethylene outer sheath	О2.8.2.5.4
К9СПвАК(1)Пу	КА9СПвАК(1)Пу	Cross-linked polyethylene insulation, armour of aluminium or aluminium alloy wires, reinforced polyethylene outer sheath, with longitudinal sealing	О2.8.2.5.4
К9СПвАГП	КА9СПвАГП	Cross-linked polyethylene insulation, corrugated aluminium tubing armour, polyethylene outer sheath	О2.8.2.5.4
К9СПвАГПу	КА9СПвАГПу	Cross-linked polyethylene insulation, corrugated aluminium tubing armour, reinforced polyethylene outer sheath	О2.8.2.5.4
К9СПвВ	КА9СПвВ	Cross-linked polyethylene insulation, polyvinyl chloride plastic outer sheath	О1.8.2.5.4
К9СПвСБВ	КА9СПвСБВ	Cross-linked polyethylene insulation, metal alloy tape armour, polyvinyl chloride plastic outer sheath	О1.8.2.5.4
К9СПвСКВ	КА9СПвСКВ	Cross-linked polyethylene insulation, metal alloy wire armour, polyvinyl chloride plastic sheath	О1.8.2.5.4

Cross-linked polyethylene-insulated cables for 6–35 kV voltages

TU 27.32.14-142-05758679-2018

Zavod Moskabel

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH COPPER CONDUCTOR	WITH ALUMINIUM CONDUCTOR		
К9СПвАБВ	КА9СПвАБВ	Cross-linked polyethylene insulation, aluminium/aluminium alloy tape armour, polyvinyl chloride plastic compound sheath	О1.8.2.5.4
К9СПвАКВ	КА9СПвАКВ	Cross-linked polyethylene insulation, armour of aluminium or aluminium alloy wires, polyvinyl chloride plastic compound sheath	О1.8.2.5.4
К9СПвАГВ	КА9СПвАГВ	Cross-linked polyethylene insulation, aluminium corrugated tubing armour, polyvinyl chloride plastic compound sheath	О1.8.2.5.4
К9СПвВнг(А)-LS	КА9СПвВнг(А)-LS	Cross-linked polyethylene insulation, sheath of low fire hazard polyvinyl chloride plastic compound with low smoke and gas emission	П16.8.2.2.2
К9СПвСБВнг(А)-LS	КА9СПвСБВнг(А)-LS	Cross-linked polyethylene insulation, low fire hazard plastic compound sheath with low smoke and gas emission, metal alloy tape armour	П16.8.2.2.2
К9СПвСКВнг(А)-LS	КА9СПвСКВнг(А)-LS	Cross-linked polyethylene insulation, low fire hazard plastic compound sheath with low smoke and gas emission, metal alloy wire armour	П16.8.2.2.2
К9СПвАБВнг(А)-LS	КА9СПвАБВнг(А)-LS	Cross-linked polyethylene insulation, low fire hazard plastic compound sheath with low smoke and gas emission, aliminium/aluminium alloy tape armour	П16.8.2.2.2
К9СПвАКВнг(А)-LS	КА9СПвАКВнг(А)-LS	Cross-linked polyethylene insulation, low fire hazard plastic compound sheath with low smoke and gas emission, aliminium/aluminium alloy wire armour	П16.8.2.2.2
К9СПвАГВнг(А)-LS	КА9СПвАГВнг(А)-LS	Cross-linked polyethylene insulation, low fire hazard plastic compound sheath with low smoke and gas emission, aliminium corrugated tubing armour	П16.8.2.2.2
К9СПвПнг(А)-HF	КА9СПвПнг(А)-HF	Cross-linked polyethylene insulation, halogen-free polymer compound sheath	П16.8.1.2.1
К9СПвСБПнг(А)-HF	КА9СПвСБПнг(А)-HF	Cross-linked polyethylene insulation, halogen-free polymer compound sheath, metal alloy tape armour	П16.8.1.2.1
К9СПвСКПнг(А)-HF	КА9СПвСКПнг(А)-HF	Cross-linked polyethylene insulation, halogen-free polymer compound sheath, metal alloy wire armour	П16.8.1.2.1
К9СПвАБПнг(А)-HF	КА9СПвАБПнг(А)-HF	Cross-linked polyethylene insulation, halogen-free polymer compound sheath, aluminium/aluminium alloy tape armour	П16.8.1.2.1
К9СПвАКПнг(А)-HF	КА9СПвАКПнг(А)-HF	Cross-linked polyethylene insulation, halogen-free polymer compound sheath, aluminium/aluminium alloy wire armour	П16.8.1.2.1
К9СПвАГПнг(А)-HF	КА9СПвАГПнг(А)-HF	Cross-linked polyethylene insulation, halogen-free polymer compound sheath, aluminium corrugated tubing armour	П16.8.1.2.1

Note:

1. The cable type shall include the metal screen cross-section (mm2) after a fraction sign, and the metal screen material and design in capital letters following the conductor nominal cross-sections:
   - Screen of copper wires or of copper wires and copper tape – ***no designation***;
   - Screen of aluminium wires or aluminium alloy wires, or of aluminium wires or aluminium alloy wires and aluminium or aluminium alloy tape – ***АК***;
   - Screen of plain aluminium tubing – ***А***.

   Examples of designation to order:
   - КА9СПвП cable with three round aluminium stranded conductors with 240 mm² nominal cross-section, copper wire screen, 25 mm² nominal cross-section, rated for 35 kV nominal voltage:
     КА9СПвП cable 3x240µm/25-35 TU 27.32.14-142-05758679-2018
   - КА9СПвПу cable with a single aluminium stranded conductor with 240 mm² nominal cross-section, with an aluminium tubing screen, 70 mm² nominal cross-section, rated for 35 kV nominal voltage:
     КА9СПвПу cable 1x240µm/70А-35 TU 27.32.14-142-05758679-2018
   - КА9СПвПу cable with a single aluminium stranded conductor, 240 mm² nominal cross-section, aluminium alloy wire screen, 50 mm² nominal cross-section, rated for 35 kV nominal voltage:
     КА9СПвПу cable 1x240µm/50АК-35 TU 27.32.14-142-05758679-2018

The letters ХЛ shall be added after a hyphen to the cold-resistant cable type.

Cross-linked polyethylene-insulated cables for 6–35 kV voltages

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Permissible current loads for single-core cables with copper and aluminium conductors for 6–15 kV rated voltage

RATED CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A							
	FLAT FORMATION				TREFOIL FORMATION			
	COPPER CONDUCTORS		ALUMINIUM CONDUCTORS		COPPER CONDUCTORS		ALUMINIUM CONDUCTORS	
	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND
25	208	174	157	152	169	153	129	150
35	217	220	189	172	192	193	150	147
50	290	250	225	195	240	225	185	170
70	360	310	280	240	300	275	230	210
95	448	336	349	263	387	326	300	253
120	515	380	403	298	445	370	346	288
150	574	416	452	329	503	413	392	322
185	654	466	518	371	577	644	450	364
240	762	531	607	426	677	537	531	422
300	865	590	693	477	776	604	609	476-
400	959	633	787	525	891	677	710	541
500	1,081	697	900	587	1,025	759	822	614
630	1,213	762	1,026	653	1,166	848	954	695
800	1,349	825	1,161	719	1,319	933	1,094	780
1,000	1,423	900	1,220	800	1,411	1,003	1,180	845

Permissible current loads for single-core cables with copper and aluminium conductors for 20–35 kV rated voltage

NOMINAL CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A							
	FLAT FORMATION				TREFOIL FORMATION			
	COPPER CONDUCTORS		ALUMINIUM CONDUCTORS		COPPER CONDUCTORS		ALUMINIUM CONDUCTORS	
	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND
50	290	230	225	185	250	225	190	175
70	365	290	280	225	310	270	240	215
95	446	336	348	263	389	326	301	253
120	513	380	402	298	448	371	348	288
150	573	417	451	330	507	413	394	322
185	652	466	516	371	580	466	452	365
240	760	532	605	426	680	538	533	422
300	863	582	690	477	779	605	611	476
400	957	635	783	526	895	678	712	541
500	1,081	700	897	588	1,027	762	824	615
630	1,213	766	1,023	655	1,172	851	953	699
800	1,351	830	1,159	722	1,325	942	1,096	782
1,000	1,430	906	1,230	805	1,415	1,007	1,186	850

The currents for flat formation shall be calculated based on a clear distance between cables equal to the cable diameter.

Permissible current loads for three-core cables with copper and aluminium conductors for 6–35 kV rated voltage

RATED CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A							
	6 – 15 kV VOLTAGE				20 – 35 kV VOLTAGE			
	COPPER CONDUCTORS		ALUMINIUM CONDUCTORS		COPPER CONDUCTORS		ALUMINIUM CONDUCTORS	
	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND
25	145	147	107	105	-	-	-	-
35	173	175	134	136	-	-	-	-
50	206	207	159	156	215	207	163	161
70	255	253	196	193	264	248	204	199
95	329	300	255	233	331	300	256	233
120	374	340	291	265	376	341	292	265
150	423	384	329	300	426	384	331	300
185	479	433	374	338	481	433	375	339
240	562	500	441	392	564	500	442	392
300	630	563	490	456	630	563	490	456
400	710	635	554	515	710	635	554	515

The permissible current loads for underground installation have been calculated based on the following design conditions:

- Installation depth – 0.7 m;

- Soil specific thermal resistance – 1.2 K·m/W.

The calculation is based on 25 °C ambient temperature for aboveground installation and 15 °C for underground installation.

Max. permissible one-second short-circuit currents for cables

NOMINAL CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE ONE-SECOND SHORT-CIRCUIT CURRENT FOR CABLES, kA	
	COPPER CONDUCTORS	ALUMINIUM CONDUCTORS
35	5.0	3.3
50	7.15	4.7
70	10.0	6.6
95	13.6	8.9
120	17.2	11.3
150	21.5	14.2
185	26.5	17.5
240	34.3	22.7
300	42.9	28.2
400	57.2	37.6
500	71.5	47.0
630	90.1	59.2
800	114.4	75.2
1,000	142.9	94.5

Cross-linked polyethylene-insulated cables for 6–35 kV*

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NUMBER AND NOMINAL CROSS-SECTION OF CONDUCTORS, mm²	DESIGN NOMINAL DIAMETER, mm	DESIGN WEIGHT OF 1 KM OF CABLE, kg		DESIGN NOMINAL DIAMETER, mm	DESIGN WEIGHT OF 1 KM OF CABLE, kg	
		ALUMINIUM CONDUCTORS	COPPER CONDUCTORS		ALUMINIUM CONDUCTORS	COPPER CONDUCTORS
K(A)9СПвП – 6 kV				K(A)9СПВВ – 6 kV		
1x35	22.6	562	781	22.6	631	850
1x50	23.9	632	945	23.9	705	1,018
1x70	25.4	719	1,157	25.4	798	1,236
1x95	27.0	822	1,417	27.0	906	1,501
1x120	28.4	921	1,673	28.4	1,010	1,761
1x150	30.5	1,116	2,055	30.5	1,211	2,151
1x185	32.2	1,250	2,408	32.2	1,351	2,510
1x240	34.6	1,459	2,962	34.6	1,569	3,072
1x300	37.8	1,731	3,610	37.8	1,852	3,731
1x400	41.4	2,189	4,695	41.4	2,322	4,828
1x500	44.5	2,557	5,689	44.5	2,701	5,833
1x630	48.2	3,023	6,969	48.2	3,191	7,138
1x800	51.9	3,585	8,596	51.9	3,767	8,778
3x35	44.0	2,089	2,751	44.0	2,231	2,893
3x50	47.2	2,419	3,365	47.2	2,584	3,530
3x70	50.4	2,792	4,117	50.4	2,969	4,293
3x95	54.2	3,295	5,093	54.2	3,486	5,284
3x120	57.6	3,857	6,128	57.6	4,075	6,346
3x150	60.8	4,340	7,179	60.8	4,570	7,409
3x185	64.2	4,883	8,384	64.2	5,127	8,628
3x240	70.9	6,107	10,649	70.9	6,430	10,972
K(A)9СПвВнг(A)-LS – 6 kV				K(A)9СПвПу – 6 kV		
1x35	29.4	1,229	1,448	23.6	604	824
1x50	30.7	1,336	1,649	24.9	677	990
1x70	32.2	1,465	1,903	26.4	767	1,206
1x95	33.8	1,612	2,207	28.0	873	1,468
1x120	35.2	1,749	2,501	29.4	975	1,726
1x150	37.3	2,001	2,941	31.5	1,173	2,113
1x185	39.0	2,184	3,343	33.2	1,311	2,469
1x240	41.4	2,461	3,964	35.6	1,524	3,028
1x300	44.6	2,820	4,700	38.8	1,802	3,681
1x400	48.6	3,432	5,937	42.4	2,268	4,773
1x500	51.7	3,892	7,024	45.5	2,641	5,774
1x630	55.0	4,422	8,368	49.2	3,115	7,062
1x800	59.1	5,155	10,167	52.9	3,684	8,696
3x35	45.0	2,456	3,118	45.0	2,172	2,835
3x50	48.2	2,834	3,781	48.2	2,509	3,455
3x70	51.4	3,265	4,560	51.4	2,889	4,213

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

TU 27.32.14-142-05758679-2018

Zavod Moskabel

NUMBER AND NOMINAL CROSS-SECTION OF CONDUCTORS, mm²	DESIGN NOMINAL DIAMETER, mm	DESIGN WEIGHT OF 1 KM OF CABLE, kg		DESIGN NOMINAL DIAMETER, mm	DESIGN WEIGHT OF 1 KM OF CABLE, kg	
		ALUMINIUM CONDUCTORS	COPPER CONDUCTORS		ALUMINIUM CONDUCTORS	COPPER CONDUCTORS
3x95	55.2	3,771	5,568	55.2	3,399	5,197
3x120	58.6	4,388	6,659	58.6	3,969	6,240
3x150	61.8	4,900	7,739	61.8	4,458	7,297
3x185	65.2	5,473	8,974	65.2	5,008	8,509
3x240	70.7	6,617	11,159	70.7	6,115	10,657
К(А)9СПвСБП – 6 kV				К(А)9СПвВ – 6 kV		
3x35	48.4	2,953	3,615	48.4	3,177	3,839
3x50	51.2	3,312	4,258	51.2	3,550	4,496
3x70	54.4	3,747	5,072	54.4	4,002	5,326
3x95	58.6	4,359	6,157	58.6	4,649	6,447
3x120	61.6	4,946	7,217	61.6	5,252	7,523
3x150	64.8	5,491	8,330	64.8	5,814	8,653
3x185	69.4	6,223	9,724	69.4	6,621	10,122
3x240	74.9	7,436	11,978	74.9	7,868	12,410
К(А)9СПвСБВнг(А)-LS – 6 kV						
3x35	49.4	3,484	4,146			
3x50	52.2	3,875	4,821			
3x70	55.4	4,346	5,671			
3x95	59.6	5,031	6,829			
3x120	62.6	5,652	7,923			
3x150	65.8	6,234	9,073			
3x185	69.2	6,881	10,382			
3x240	74.7	8,146	12,688			

NOMINAL CONDUCTOR CROSS-SECTION, mm²	CABLE CAPACITANCE, μF/km	NOMINAL CONDUCTOR CROSS-SECTION, mm²	CABLE CAPACITANCE, μF/km
35	0.29	240	0.59
50	0.32	300	0.6
70	0.37	400	0.64
95	0.41	500	0.66
120	0.45	630	0.73
150	0.5	800	0.82
185	0.54		

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

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CABLE TYPE	NOMINAL CONDUCTOR CROSS-SECTION (screen section), mm²	CABLE OUTER DIAMETER, mm			DESIGN WEIGHT OF 1 KM OF CABLE, kg					
					10 kV		15 kV		20 kV	
		10 kV	15 kV	20 kV	ALUM. CONDUCTOR	COPPER CONDUCTOR	ALUM. CONDUCTOR	COPPER CONDUCTOR	ALUM. CONDUCTOR	COPPER CONDUCTOR
SINGLE-CONDUCTOR CABLES										
KA9CПвП K9CПвП	35(16)	24.4	26.6	-	622	841	702	921	-	-
	50(16)	25.7	28	29.9	695	1,009	780	1,093	863	1,177
	70(16)	27.2	29.4	31.4	787	1,225	876	1,315	965	1,403
	95(16)	28.8	31	33	894	1,489	989	1,585	1,083	1,678
	120(16)	30.2	32.4	34.4	997	1,749	1,097	1,849	1,194	1,946
	150(25)	32.3	34.5	36.5	1,196	2,136	1,302	2,242	1,405	2,344
	185(25)	34	36.2	38.2	1,335	2,494	1,447	2,606	1,555	2,714
	240(25)	36.2	38.5	40.4	1,541	3,044	1,660	3,163	1,775	3,278
	300(25)	39	41.2	43.2	1,798	3,677	1,926	3,806	2,050	3,929
	400(35)	42.2	44.4	46.8	2,238	4,744	2,378	4,883	2,539	5,044
	500(35)	44.9	47.5	49.5	2,583	5,716	2,761	5,893	2,904	6,036
	800(35)	52.3	54.5	56.9	3,615	8,627	3,790	8,801	3,988	9,000
	1,000(35)	56.6	58.8	60.8	4,300	10,565	4,489	10,753	4,667	10,932
KA9CПвПу K9CПвПу	35(16)	25.4	27.6		668	887	752	971		
	50(16)	26.7	29	30.9	744	1,057	833	1,146	920	1,233
	70(16)	28.2	30.4	32.4	838	1,277	932	1,371	1,024	1,463
	95(16)	29.8	32	34	949	1,544	1,048	1,643	1,145	1,740
	120(16)	31.2	33.4	35.4	1,054	1,806	1,158	1,910	1,260	2,011
	150(25)	33.3	35.5	37.5	1,257	2,197	1,367	2,307	1,474	2,413
	185(25)	35	37.2	39.2	1,400	2,559	1,515	2,674	1,627	2,786
	240(25)	37.2	39.5	41.4	1,609	3,113	1,733	3,236	1,851	3,355
	300(25)	40	42.2	44.2	1,871	3,751	2,004	3,884	2,131	4,011
	400(35)	43.2	45.4	47.8	2,318	4,824	2,462	4,967	2,628	5,134
	500(35)	45.9	48.5	50.5	2,669	5,801	2,852	5,984	2,999	6,131
	800(35)	53.3	55.5	57.9	3,716	8,727	3,894	8,905	4,099	9,110
	1000(35)	57.6	59.8	61.8	4,410	10,674	4,603	10,867	4,785	11,050
KA9CПвВ K9CПвВ	35(16)	24.4	26.6		697	916	784	1,004	-	-
	50(16)	25.7	28	29.9	775	1,088	867	1,180	958	1,271
	70(16)	27.2	29.4	31.4	872	1,310	969	1,407	1,064	1,502
	95(16)	28.8	31	33	985	1,580	1,087	1,682	1,187	1,782
	120(16)	30.2	32.4	34.4	1,092	1,844	1,199	1,951	1,304	2,056
	150(25)	32.3	34.5	36.5	1,298	2,238	1,412	2,351	1,521	2,461
	185(25)	34	36.2	38.2	1,443	2,602	1,563	2,721	1,677	2,836
	240(25)	36.2	38.5	40.4	1,656	3,160	1,783	3,287	1,905	3,408
	300(25)	39	41.2	43.2	1,923	3,802	2,059	3,938	2,189	4,069
	400(35)	42.2	44.4	46.8	2,374	4,880	2,521	5,027	2,702	5,208

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

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Zavod Moskabel

CABLE TYPE	NOMINAL CONDUCTOR CROSS-SECTION (screen section), mm²	CABLE OUTER DIAMETER, mm			DESIGN WEIGHT OF 1 KM OF CABLE, kg					
					10 kV		15 kV		20 kV	
		10 kV	15 kV	20 kV	ALUM. CONDUCTOR	COPPER CONDUCTOR	ALUM. CONDUCTOR	COPPER CONDUCTOR	ALUM. CONDUCTOR	COPPER CONDUCTOR
	500(35)	44.9	47.5	49.5	2,729	5,861	2,927	6,059	3,077	6,210
	800(35)	52.3	54.5	56.9	3,799	8,811	3,981	8,993	4,203	9,215
	1,000(35)	56.6	58.8	60.8	4,514	10,778	4,712	10,976	4,898	11,162
КА9СПвВн-г(А)-LS К9СПвВн-г(А)-LS	35(16)	31.2	33.4		1,249	1,469	1,382	1,601		
	50(16)	32.5	34.8	38.7	1,355	1,668	1,492	1,805	1,848	2,161
	70(16)	34	36.2	40.2	1,482	1,921	1,624	2,063	1,994	2,432
	95(16)	35.6	37.8	41.8	1,628	2,223	1,775	2,370	2,160	2,755
	120(16)	37	39.2	43.2	1,763	2,515	1,916	2,667	2,313	3,065
	150(25)	39.1	41.3	45.3	2,012	2,951	2,170	3,110	2,585	3,524
	185(25)	40.8	43	47.4	2,192	3,351	2,357	3,515	2,840	3,999
	240(25)	43	45.3	49.6	2,451	3,954	2,623	4,126	3,130	4,633
	300(25)	45.8	48.4	52.4	2,774	4,653	3,008	4,888	3,490	5,370
	400(35)	49.4	51.6	55.6	3,344	5,850	3,539	6,044	4,050	6,556
	500(35)	52.1	54.3	58.7	3,759	6,891	3,963	7,095	4,565	7,697
	800(35)	59.5	61.7	65.7	5,000	10,011	5,230	10,241	5,837	10,848
	1,000(35)	63.4	65.6	70	5,751	12,015	5,994	12,258	6,715	12,980

CABLE TYPE	NUMBER AND NOMINAL CROSS-SECTION OF CONDUCTORS, mm²	DESIGN NOMINAL DIAMETER, mm	DESIGN WEIGHT OF 1 KM OF CABLE, kg	
			35 kV	
		35 kV	ALUMINIUM CONDUCTOR	COPPER CONDUCTOR
КА9СПвП К9СПвП	50(16)	35.9	1,151	1,464
	70(16)	37.4	1,266	1,705
	95(16)	39.0	1,399	1,994
	120(16)	40.4	1,524	2,276
	150(25)	42.5	1,749	2,689
	185(25)	44.2	1,916	3,075
	240(25)	46.8	2,185	3,688
	300(25)	49.6	2,487	4,366
	400(35)	52.8	2,980	5,485
	500(35)	55.9	3,404	6,536
	800(35)	62.9	4,524	9,535
	1,000(35)	68.0	5,361	11,625

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

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CABLE TYPE	NUMBER AND NOMINAL CROSS-SECTION OF CONDUCTORS, mm²	DESIGN NOMINAL DIAMETER, mm	DESIGN WEIGHT OF 1 KM OF CABLE, kg	
			35 kV	
		35 kV	ALUMINIUM CONDUCTOR	COPPER CONDUCTOR
КА9СПвПу К9СПвПу	50(16)	36.9	1,219	1,532
	70(16)	38.4	1,337	1,776
	95(16)	40.0	1,473	2,068
	120(16)	41.4	1,600	2,352
	150(25)	43.5	1,830	2,769
	185(25)	45.2	2,000	3,159
	240(25)	47.8	2,275	3,778
	300(25)	50.6	2,582	4,461
	400(35)	53.8	3,081	5,586
	500(35)	56.9	3,513	6,645
	800(35)	63.9	4,646	9,657
	1,000(35)	68.2	5,412	11,676
КА9СПвВ К9СПвВ	50(16)	35.9	1,266	1,579
	70(16)	37.4	1,386	1,825
	95(16)	39.0	1,524	2,120
	120(16)	40.4	1,654	2,406
	150(25)	42.5	1,886	2,826
	185(25)	44.2	2,059	3,218
	240(25)	46.8	2,348	3,852
	300(25)	49.6	2,661	4,540
	400(35)	52.8	3,165	5,671
	500(35)	55.9	3,615	6,747
	800(35)	62.9	4,762	9,774
	1,000(35)	68.0	5,671	11,935
КА9СПВВНГ(А)-LS К9СПВВНГ(А -LS	50(16)	44.7	2,316	2,629
	70(16)	46.6	2,528	2,966
	95(16)	48.2	2,710	3,305
	120(16)	49.6	2,878	3,630
	150(25)	51.7	3,167	4,107
	185(25)	53.4	3,389	4,548
	240(25)	55.6	3,699	5,202
	300(25)	58.8	4,150	6,030
	400(35)	62.0	4,743	7,248
	500(35)	64.7	5,222	8,354
	800(35)	72.1	6,638	11,650
	1,000(35)	76.0	7,481	13,745

** Note: The specifications apply to copper wire shield cables.*

CABLE TYPE	NOMINAL CONDUCTOR CROSS-SECTION (screen section), mm²	CABLE OUTER DIAMETER, mm			DESIGN WEIGHT OF 1 KM OF CABLE, kg					
					10 kV		15 kV		20 kV	
		10 kV	15 kV	20 kV	ALUM. CONDUCTOR	COPPER CONDUCTOR	ALUM. CONDUCTOR	COPPER CONDUCTOR	ALUM. CONDUCTOR	COPPER CONDUCTOR
THREE-CONDUCTOR CABLES										
КАЭСПвП К9СПвП	35(25)	48.2	53.0	-	ф2,411	3,073	2,819	3,481	-	-
	50(25)	51.1	56.6	60.9	2,732	3,679	3,265	4,212	3,699	4,645
	70(25)	54.7	59.8	64.1	3,192	4,517	3,691	5,016	4,148	5,473
	95(25)	58.5	63.2	68.7	3,689	5,487	4,183	5,981	4,788	6,586
	120(35)	61.5	67.4	72.1	4,237	6,508	4,876	7,147	5,475	7,746
	150(35)	65.0	71.4	75.7	4,767	7,606	5,527	8,366	6,070	8,909
	185(35)	70.0	75.1	79.4	5,492	8,993	6,169	9,670	6,740	10,241
	240(50)	75.2	79.9	84.2	6,591	11,133	7,222	11,764	7,828	12,370
	300(50)	81.1	85.8	90.1	7,709	13,386	8,387	14,064	9,037	14,714
	400(50)	87.9	93.0	97.3	9,202	16,771	10,049	17,619	10,754	18,324
КАЭСПвПу К9СПвПу	35(25)	49.2	54.0	-	2,503	3,166	2,920	3,583	-	-
	50(25)	52.1	57.6	61.9	2,830	3,777	3,375	4,321	3,817	4,763
	70(25)	55.7	60.8	65.1	3,297	4,622	3,807	5,132	4,272	5,597
	95(25)	59.5	64.2	68.9	3,803	5,601	4,306	6,104	4,839	6,637
	120(35)	62.5	67.6	72.3	4,357	6,628	4,926	7,197	5,529	7,800
	150(35)	66.0	71.6	75.9	4,893	7,732	5,580	8,419	6,127	8,966
	185(35)	70.2	75.3	79.6	5,544	9,045	6,225	9,726	6,799	10,300
	240(50)	75.4	80.1	84.4	6,648	11,190	7,282	11,824	7,891	12,433
	300(50)	81.3	86.0	90.3	7,770	13,447	8,451	14,129	9,105	14,782
	400(50)	88.1	93.2	97.5	9,268	16,838	10,119	17,689	10,828	18,397
КАЭСПвВ К9СПвВ	35(25)	48.2	53.0		2,579	3,242	3,005	3,667	-	-
	50(25)	51.1	56.6	60.9	2,912	3,858	3,479	4,425	3,929	4,876
	70(25)	54.7	59.8	64.1	3,385	4,709	3,918	5,242	4,392	5,716
	95(25)	58.5	63.2	68.7	3,911	5,708	4,423	6,221	5,101	6,899
	120(35)	61.5	67.4	72.1	4,470	6,741	5,183	7,454	5,804	8,075
	150(35)	65.0	71.4	75.7	5,014	7,853	5,853	8,691	6,417	9,255
	185(35)	70.0	75.1	79.4	5,811	9,312	6,513	10,014	7,104	10,605
	240(50)	75.2	79.9	84.2	6,936	11,478	7,589	12,131	8,216	12,758
	300(50)	81.1	85.8	90.1	8,081	13,758	8,782	14,459	9,453	15,130
	400(50)	87.9	93.0	97.3	9,607	17,177	10,479	18,048	11,205	18,774
КАЭСПвВнг(А)-LS К9СПвВнг(А)-LS	35(25)	46.0	50.8	-	2,378	3,040	2,780	3,443	-	-
	50(25)	48.9	53.6	58.3	2,696	3,642	3,122	4,068	3,606	4,552
	70(25)	52.1	57.2	61.5	3,086	4,411	3,601	4,925	4,048	5,373
	95(25)	55.9	60.6	64.9	3,602	5,399	4,085	5,883	4,558	6,356
	120(35)	58.9	63.6	68.5	4,143	6,414	4,651	6,922	5,259	7,530
	150(35)	62.4	67.8	72.1	4,666	7,504	5,314	8,153	5,841	8,680

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

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CABLE TYPE	NOMINAL CONDUCTOR CROSS-SECTION (screen section), mm²	CABLE OUTER DIAMETER, mm			DESIGN WEIGHT OF 1 KM OF CABLE, kg					
					10 kV		15 kV		20 kV	
		10 kV	15 kV	20 kV	ALUM. CONDUCTOR	COPPER CONDUCTOR	ALUM. CONDUCTOR	COPPER CONDUCTOR	ALUM. CONDUCTOR	COPPER CONDUCTOR
	185(35)	66.8	71.5	75.8	5,368	8,869	5,942	9,443	6,496	9,997
	240(50)	71.6	76.3	80.6	6,364	10,906	6,976	11,518	7,566	12,108
	300(50)	77.5	82.2	86.5	7,458	13,136	8,118	13,795	8,750	14,428
	400(50)	84.3	89.0	93.3	8,924	16,494	9,638	17,208	10,320	17,890
К9СПвСБП КА9СПвСБП	35(25)	52.5	57.4	-	3,323	3,986	3,857	4,519	-	-
	50(25)	55.1	60.6	64.9	3,700	4,646	4,335	5,281	4,851	5,797
	70(25)	59.1	63.8	69.3	4,265	5,590	4,822	6,147	5,486	6,811
	95(25)	62.5	68.4	72.7	4,795	6,593	5,503	7,301	6,076	7,874
	120(35)	65.5	71.4	76.1	5,401	7,672	6,138	8,409	6,828	9,099
	150(35)	70.2	75.4	80.9	6,125	8,964	6,866	9,704	8,222	11,061
	185(35)	74.0	80.3	84.6	6,804	10,305	8,305	11,806	9,002	12,503
	240(50)	80.4	85.1	89.4	8,730	13,272	9,498	14,040	10,229	14,771
	300(50)	86.3	91.0	95.3	10,019	15,697	10,835	16,513	11,610	17,288
	400(50)	93.1	98.2	102.5	11,710	19,280	12,707	20,276	13,537	21,107
К9СПвСБВ КА9САПвСБВ	35(25)	52.2	57.4	-	3,567	4,229	4,140	4,802	-	-
	50(25)	55.1	60.6	64.9	3,958	4,904	4,635	5,582	5,175	6,121
	70(25)	59.1	63.8	69.3	4,558	5,882	5,140	6,465	5,884	7,208
	95(25)	62.5	68.4	72.7	5,106	6,904	5,895	7,693	6,494	8,292
	120(35)	65.5	71.4	76.1	5,728	7,999	6,549	8,820	7,268	9,539
	150(35)	70.2	75.4	80.9	6,528	9,367	7,300	10,139	8,689	11,529
	185(35)	74.0	80.3	84.6	7,230	10,731	8,769	12,270	9,492	12,993
	240(50)	80.4	85.1	89.4	9,194	13,736	9,991	14,533	10,749	15,291
	300(50)	86.3	91.0	95.3	10,520	16,197	11,365	17,043	12,167	17,844
	400(50)	93.1	98.2	102.5	12,252	19,822	13,281	20,851	14,138	21,708
К9СПвСБВнг(А)-LS КА9СПвСБВнг(А)-LS	35(25)	50.0	54.8	-	3,381	4,044	3,887	4,550	-	-
	50(25)	52.9	58.0	62.3	3,762	4,708	4,355	5,302	4,874	5,820
	70(25)	56.5	61.2	65.5	4,285	5,610	4,845	6,169	5,387	6,711
	95(25)	59.9	64.6	69.5	4,817	6,615	5,404	7,202	6,086	7,884
	120(35)	62.9	68.2	72.5	5,424	7,695	6,149	8,420	6,744	9,015
	150(35)	67.0	71.8	76.1	6,135	8,974	6,782	9,621	7,404	10,242
	185(35)	70.8	75.5	81.0	6,815	10,316	7,492	10,993	8,888	12,389
	240(50)	75.6	81.5	85.8	7,916	12,458	9,383	13,925	10,109	14,651
	300(50)	82.7	87.4	91.7	9,903	15,580	10,713	16,390	11,481	17,158
	400(50)	89.5	94.2	98.5	11,584	19,154	12,448	20,017	13,266	20,835

** Note: The specifications apply to copper wire shield cables.*

CABLE TYPE	NUMBER AND NOMINAL CROSS-SECTION OF CONDUCTORS, mm²	DESIGN NOMINAL DIAMETER, mm	DESIGN WEIGHT OF 1 KM OF CABLE, kg	
			35 kV	
		35 kV	ALUMINIUM CONDUCTOR	COPPER CONDUCTOR
THREE-CONDUCTOR CABLES				
КАЭСПвП К9СПвП	50(25)	75.4	5,414	6,360
	70(25)	78.6	5,944	7,269
	95(25)	82.0	6,547	8,345
	120(35)	85.0	7,217	9,488
	150(35)	88.6	7,890	10,729
	185(35)	92.7	8,757	12,258
	240(50)	97.5	9,957	14,499
	300(50)	103.4	11,303	19,681
	400(50)	110.2	13,060	20,629
КАЭСПвПу К9СПвПу	50(25)	75.6	5,471	6,417
	70(25)	78.8	6,003	7,328
	95(25)	82.2	6,609	8,407
	120(35)	85.2	7,281	9,552
	150(35)	88.8	7,957	10,796
	185(35)	92.9	8,826	12,327
	240(50)	97.7	10,030	14,572
	300(50)	103.6	11,382	17,059
	185(35)	110.4	13,143	20,713
КАЭСПвВ К9СПвВ	50(25)	75.4	5,759	6,705
	70(25)	78.6	6,305	7,630
	95(25)	82.0	6,924	8,722
	120(35)	85.0	7,608	9,879
	150(35)	88.6	8,299	11,137
	185(35)	92.7	9,185	12,686
	240(50)	97.5	10,408	14,950
	300(50)	103.4	11,783	17,461
	400(50)	110.2	13,572	21,142
КАЭСПвВнг(А)-LS К9СПвВнг(А)-LS	120(16)	49.6	2,878	3,630
	50(25)	71.8	5,186	6,132
	70(25)	75.0	5,704	7,028
	95(25)	78.4	6,294	8,091
	120(35)	81.4	6,951	9,222
	150(35)	85.0	7,610	10,449
	185(35)	88.7	8,347	11,848
	240(50)	93.5	9,521	14,063
	300(50)	99.4	10,835	16,512
	400(50)	106.2	12,552	20,122

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

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CABLE TYPE	NUMBER AND NOMINAL CROSS-SECTION OF CONDUCTORS, mm²	DESIGN NOMINAL DIAMETER, mm	DESIGN WEIGHT OF 1 KM OF CABLE, kg	
			35 kV	
		35 kV	ALUMINIUM CONDUCTOR	COPPER CONDUCTOR
К9СПвСБП КА9СПвСБП	50(25)	80.6	7,559	8,505
	70(25)	83.8	8,182	9,507
	95(25)	87.2	8,885	10,683
	120(35)	90.2	9,642	11,913
	150(35)	93.8	10,418	13,257
	185(35)	97.9	11,406	14,907
	240(50)	102.7	12,745	17,287
	300(50)	108.6	14,265	19,942
	400(50)	115.4	16,219	23,788
К9СПвСБВ КА9САПвСБВ	50(25)	80.6	8,024	8,970
	70(25)	83.8	8,668	9,992
	95(25)	87.2	9,392	11,189
	120(35)	90.2	10,167	12,438
	150(35)	93.8	10,965	13,803
	185(35)	97.9	11,978	15,479
	240(50)	102.7	13,347	17,889
	300(50)	108.6	14,903	20,580
	400(50)	115.4	16,899	24,469
К9СПвСБВнг(А)-LS КА9СПвСБВнг(А)-LS	50(25)	75.8	6,743	7,689
	70(25)	80.2	8,070	9,394
	95(25)	83.6	8,768	10,566
	120(35)	86.6	9,520	11,791
	150(35)	90.2	10,291	13,130
	185(35)	93.3	11,148	14,649
	240(50)	98.7	12,473	17,015
	300(50)	104.6	13,974	19,652
	400(50)	111.4	15,907	23,476

** Note: The specifications apply to copper wire shield cables.*

Design capacitances for round conductor cables

NOMINAL CROSS-SECTION, mm²	1 KM CABLE CAPACITANCE, μF			
	CABLE RATED VOLTAGE, kV			
	10	15	20	35
35	0.22	0.19	–	–
50	0.25	0.21	0.17	0.14
70	0.29	0.23	0.19	0.16
95	0.32	0.26	0.21	0.18
120	0.35	0.28	0.23	0.19
150	0.38	0.30	0.26	0.2
185	0.42	0.33	0.27	0.22
240	0.46	0.37	0.29	0.24
300	0.51	0.41	0.32	0.26
400	0.57	0.46	0.35	0.29
500	0.63	0.50	0.39	0.32
800	0.77	0.61	0.49	0.4
1,000	0.87	0.67	0.57	0.39

CABLE TYPE	CONDUCTOR NUMBER × CONDUCTOR CROSS-SECTION (screen section), mm²	OD, mm		DESIGN CABLE WEIGHT, kg/km			
				6 kV		10 kV	
		6 kV	10 kV	WITH ALUMINIUM CONDUCTOR	WITH COPPER CONDUCTOR	WITH ALUMINIUM CONDUCTOR	WITH COPPER CONDUCTOR
К9СПвАКВ КА9СПвАКв	1x35/16	33	-	1,450	1,660	-	-
	1x50/16	35	36	1,560	1,860	1,680	1,980
	1x70/16	36	38	1,700	2,120	1,825	2,250
	1x95/16	38	40	1,850	2,430	1,980	2,560
	1x120/16	39	41	2,000	2,725	2,130	2,860
	1x150/25	41	43	2,250	3,160	2,415	3,325
	1x185/25	42	44	2,430	3,550	2,525	3,650
	1x240/25	46	48	2,840	4,300	3,030	4,490
	1x300/25	48	50	3,160	4,980	3,340	5,160
	1x400/35	52	53	3,760	6,190	3,850	6,280
	1x500/35	55	56	4,230	7,265	4,430	7,460
	1x630/35	59	60	4,890	8,710	4,960	8,770
	1x800/35	63	64	5,560	10,420	4,680	9,530

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

TU 27.32.14-142-05758679-2018

Design capacitances for round conductor cables

NOMINAL CONDUCTOR CROSS-SECTION, mm²	1 KM CABLE CAPACITANCE, μF	
	6 kV	10 kV
35	0.29	0.22
50	0.32	0.25
70	0.37	0.29
95	0.41	0.32
120	0.45	0.35
150	0.5	0.38
185	0.54	0.42
240	0.59	0.46
300	0.6	0.51
400	0.64	0.57
500	0.66	0.63
630	0.73	0.7
800	0.82	0.77

CONDUCTOR NUMBER × CONDUCTOR/SCREEN CROSS-SECTION	CABLE OUTER DIAMETER, mm	CABLE DESIGN WEIGHT, kg		CONDUCTOR NUMBER × CONDUCTOR/SCREEN CROSS-SECTION	CABLE OUTER DIAMETER, mm	CABLE DESIGN WEIGHT, kg	
К9СПвАКВ, КА9СПвАКВ **20 kV**				К9СПВАКВ, КА9СПВАКВ **35 kV**			
1x50/16	36.7	1,638	1,940	1x50/16	43.1	2,119	2,421
1x50/50	38.1	2,005	2,307	1x50/50	46.0	2,690	2,992
1x70/16	38.4	1,783	2,205	1x70/16	46.3	2,485	2,908
1x70/70	39.8	2,332	2,755	1x70/70	47.7	3,048	3,471
1x95/16	40.0	1,944	2,522	1x95/16	47.9	2,668	3,245
1x95/70	41.4	2,494	3,072	1x95/70	49.3	3,231	3,808
1x120/16	41.4	2,089	2,818	1x120/16	49.3	2,840	3,569
1x120/70	43.2	2,684	3,414	1x120/70	50.7	3,403	4,132
1x150/25	43.3	2,385	3,295	1x150/25	50.8	3,119	4,029
1x150/95	46.2	3,271	4,181	1x150/95	52.2	3,809	4,719
1x185/25	46.5	2,779	3,902	1x185/25	52.5	3,334	4,456
1x185/95	47.9	3,470	4,592	1x185/95	54.3	4,085	5,207
1x240/25	48.7	3,053	4,509	1x240/25	55.1	3,691	5,147
1x240/95	50.1	3,758	5,214	1x240/95	56.9	4,434	5,890
1x300/25	51.2	3,393	5,213	1x300/25	57.6	4,049	5,869
1x300/95	52.6	4,099	5,919	1x300/95	59.0	4,756	6,576
1x400/35	54.6	3,993	6,420	1x400/35	61.0	4,691	7,118
1x400/120	56.4	4,908	7,335	1x400/120	62.4	5,540	7,967
1x500/35	58.8	4,569	7,602	1x500/35	65.4	5,334	8,367
1x500/120	60.1	5,419	8,452	1x500/120	66.7	6,202	9,235
1x630/35	63.7	5,418	9,240	1x630/35	69.7	6,163	9,985
1x630/120	65.0	6,276	10,098	1x630/120	71.0	7,021	10,843
1x800/35	67.5	6,145	10,998	1x800/35	73.5	6,906	11,759
1x800/150	68.8	7,300	12,153	1x800/150	74.8	8,083	12,936

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

TU 27.32.14-142-05758679-2018

Zavod Moskabel

CABLE TYPE	NOMINAL CONDUCTOR CROSS-SECTION (screen cross-section), mm2	CABLE OD, mm		DESIGN WEIGHT OF 1 KM OF CABLE, kg			
				6 kV		10 kV	
		6 kV	10 kV	ALUM. CONDUCTOR	COPPER CONDUCTOR	ALUM. CONDUCTOR	COPPER CONDUCTOR
THREE-CONDUCTOR CABLES							
К9СПвАКВ, КА9СПвАКВ	35/16	52	57	4,980	5,600	5,870	6,780
	50/16	55	60	5,440	6,340	6,100	7,000
	70/16	59	63	6,130	7,400	6,800	8,100
	95/16	62	67	6,800	8,540	7,660	9,400
	120/16	66	70	7,500	9,700	8,340	10,530
	150/25	69	75	8,380	11,100	10,480	13,200
	185/25	75	80	10,460	13,800	11,540	14,900
	240/25	81	85	12,000	16,360	12,850	17,220
	300/25	87	90	14,100	19,800	14,500	20,100
	35/16	54	58	4,740	5,380	5,150	5,780
К9СПвАКП, КА9СПвАКП	50/16	57	61	5,220	6,130	5,850	6,760
	70/16	61	64	5,840	7,100	6,500	7,780
	95/16	64	69	6,480	8,220	7,280	9,000
	120/16	68	72	7,200	9,380	7,920	10,120
	150/25	71	77	7,970	10,700	10,000	12,770
	185/25	77	81	10,100	13,470	11,050	14,420
	240/25	83	86	11,500	15,870	12,320	16,700
	300/25	89	91	13,500	17,800	13,900	19,100
	300(50)	81.3	86.0	7,770	13,447	8,451	14,129
	400(50)	88.1	93.2	9,268	16,838	10,119	17,689

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

TU 27.32.14-142-05758679-2018

CONDUCTOR NUMBER × CROSS-SECTION, mm²	CABLE OUTER DIAMETER, mm	CABLE DESIGN WEIGHT, kg/km
К9СПвАКВ, КА9СПвАКВ **20 kV**		
1x50/16	28.5	1,473
1x50/50	30.4	1,860
1x70/16	30.2	1,722
1x70/70	32.1	2,292
1x95/16	31.8	2,014
1x95/70	33.7	2,584
1x120/16	33.2	2,292
1x120/70	35.1	2,863
1x150/25	34.9	2,728
1x150/95	36.8	3,212
1x185/25	36.6	3,107
1x185/95	38.5	3,591
1x240/25	39.0	3,688
1x240/95	40.9	4,401
1x300/25	41.5	4,348
1x300/95	43.4	5,060
1x400/35	45.1	5,468
1x400/120	47.4	6,132
1x500/35	48.7	6,523
1x500/120	50.6	7,369
1x630/35	52.0	7,800
1x630/120	53.9	8,646
1x800/35	55.8	9,444
1x800/150	58.1	10,624
К9СПвПнг(А)-HF -6 kV		
3x50/16	46.2	3,623
3x50/50	47.5	4,039
3x70/16	49.9	4,437
3x70/50	51.1	4,858
3x95/16	53.3	5,395
3x95/70	54.6	6,006
3x120/16	56.3	6,313
3x120/70	58.0	6,988
3x150/25	59.9	7,542
3x150/70	61.2	8,078
3x185/25	63.6	8,805
3x185/70	64.9	9,346

CONDUCTOR NUMBER × CONDUCTOR/SCREEN CROSS-SECTION	CABLE OUTER DIAMETER, mm	CABLE DESIGN WEIGHT, kg
К9СПвАКВ, КА9СПвАКВ **35 kV**		
3x240/25	73.5	12,083
3x300/25	78.8	14,363
3x300/95	80.1	15,181
К9СПвПнг(А)-HF -10 kV		
1x50/16	31.3	1,622
1x50/50	32.4	1,974
1x70/16	33.0	1,876
1x70/70	34.9	2,453
1x95/16	34.6	2,173
1x95/70	36.5	2,749
1x120/16	36.0	2,456
1x120/70	37.9	3,032
1x150/25	37.7	2,898
1x150/70	39.6	3,388
1x185/25	39.4	3,283
1x185/95	41.3	4,001
1x240/25	41.6	3,864
1x240/95	43.5	4,583
1x300/25	44.3	4,539
1x300/95	46.6	5,305
1x400/35	47.9	5,705
1x400/120	49.8	6,558
1x500/35	50.7	6,709
1x500/120	52.6	7,561
1x630/35	54.0	7,997
1x630/120	55.9	8,849
1x800/35	58.2	9,712
1x800/150	60.1	10,841
3x50/16*	50.1	4,006
3x50/50*	51.4	4,427
3x70/16*	53.7	4,854
3x70/50*	55.0	5,279
3x95/16*	57.6	5,894
3x95/70*	58.9	6,517
3x120/16*	60.6	6,841
3x120/70*	61.9	7,463
3x150/25*	63.8	8,032

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

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Zavod Moskabel

CONDUCTOR NUMBER × CROSS-SECTION, mm²	CABLE OUTER DIAMETER, mm	CABLE DESIGN WEIGHT, kg/km	CONDUCTOR NUMBER × CONDUCTOR/SCREEN CROSS-SECTION	CABLE OUTER DIAMETER, mm	CABLE DESIGN WEIGHT, kg
3x240/25	69.1	10,848	3x150/70*	65.1	8,573
3x240/70	70.4	11,397	3x185/25*	67.9	9,396
3x300/25	74.5	13,031	3x185/70*	69.1	9,943
3x300/95	75.8	13,826	75.8	13,826	11,347
К9СПвСБПнг(А)- HF, 6 kV			3x240/70*	73.9	11,906
3x50/16	50.5	4,453	3x300/25*	78.4	13,655
3x50/50	51.8	4,892	3x300/95*	79.7	14,456
3x70/16	54.2	5,333	К9СПвСБПнг(А)- HF, 10 kV		
3x70/50	55.5	5,776	3x50/16*	54.4	4,905
3x95/16	58.0	6,411	3x50/50*	55.7	5,349
3x95/70	59.3	7,047	3x70/16*	58.4	5,878
3x120/16	61.0	7,387	3x70/50*	59.7	6,327
3x120/70	62.3	8,026	3x95/16*	61.9	6,925
3x150/25	64.2	8,615	3x95/70*	63.2	7,570
3x150/70	65.5	9,174	3x120/16*	64.9	7,926
3x185/25	68.3	10,013	3x120/70*	66.2	8,571
3x185/70	69.6	10,579	3x150/25*	68.5	9,244
3x150/25*	68.5	9,244	3x150/70*	69.8	9,810
3x150/70*	69.8	9,810	3x185/25*	72.2	10,608
3x185/25*	72.2	10,608	3x185/70*	73.5	11,179
3x185/70*	73.5	11,179	3x240/25*	76.9	12,644
3x240/25*	76.9	12,644	3x240/70*	78.2	13,226
3x240/70*	78.2	13,226	3x300/25*	82.7	15,057
3x300/25*	82.7	15,057	3x300/95*	84.0	15,880
3x300/95*	84.0	15,880			

CONDUCTOR NUMBER × CROSS-SECTION, mm²	CABLE OUTER DIAMETER, mm	DESIGN CABLE WEIGHT, kg/km	
		КА9СПвВнг(А)-LS	К9СПвВнг(А)-LS
К(А)9СПвВнг(А)-LS			
1x50/16*	27.9	1,063	1,360
1x50/50*	29.8	1,445	1,742
1x70/16*	29.6	1,184	1,600
1x70/70*	31.5	1,749	2,165
1x95/16*	31.2	1,314	1,882
1x95/70*	33.1	1,879	2,447
1x120/16*	32.6	1,436	2,154
1x120/70*	34.5	2,001	2,719

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

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CONDUCTOR NUMBER × CROSS-SECTION, mm²	CABLE OUTER DIAMETER, mm	DESIGN CABLE WEIGHT, kg/km	
		КА9СПвВнг(А)-LS	К9СПвВнг(А)-LS
1x150/25*	34.1	1,664	2,560
1x150/70*	36.0	2,142	3,038
1x185/25*	35.8	1,825	2,930
1x185/70*	37.7	2,302	3,407
1x240/25*	38.2	2,071	3,504
1x240/95*	40.1	2,777	4,210
1x300/25*	40.7	2,341	4,133
1x300/95*	42.6	3,047	4,839
1x400/35*	44.3	2,863	5,252
1x400/95*	46.6	3,521	5,910
1x500/35*	47.9	3,325	6,312
1x500/120*	49.8	4,165	7,152
1x630/35*	51.2	3,808	7,571
1x630/120*	53.1	4,648	8,411
1x800/35*	55.0	4,418	9,197
1x800/150*	57.3	5,593	10,372
3x50/16*	46.2	2,769	3,675
3x50/50*	47.5	3,187	4,093
3x70/16*	49.9	3,227	4,496
3x70/50*	51.1	3,650	4,919
3x95/16*	53.3	3,727	5,460
3x95/70*	54.6	4,340	6,073
3x120/16*	56.3	4,193	6,384
3x120/70*	58.0	4,873	7,064
3x150/25*	59.9	4,888	7,622
3x150/70*	61.2	5,427	8,160
3x185/25*	63.6	5,521	8,892
3x185/70*	64.9	6,064	9,436
3x240/25*	69.1	6,577	10,950
3x240/70*	70.4	7,129	11,501
3x300/25*	74.5	7,677	13,145
3x300/95*	75.8	8,476	13,943

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

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CONDUCTOR NUMBER × CROSS-SECTION, mm²	CABLE OUTER DIAMETER, mm	DESIGN CABLE WEIGHT, kg/km	
		КА9СПвСБВнг(А)-LS	К9СПвСБВнг(А)-LS
К(А)9СПвСБВнг(А)-LS – 6 kV			
3x50/16	50.0	3,628	4,535
3x50/50	51.3	4,071	4,977
3x70/16	53.7	4,154	5,423
3x70/50	54.9	4,601	5,870
3x95/16	57.5	4,783	6,516
3x95/70	58.8	5,423	7,156
3x120/16	60.5	5,310	7,500
3x120/70	61.8	5,953	8,144
3x150/25	63.7	6,004	8,738
3x150/70	65.0	6,567	9,301
3x185/25	67.8	6,782	10,154
3x185/70	69.1	7,351	10,723
3x240/25	72.9	7,868	12,240
3x240/70	74.2	8,443	12,816
3x300/25	78.3	9,069	14,536
3x300/95	79.6	9,891	15,359

CONDUCTOR NUMBER × CROSS-SECTION, mm²	CABLE OUTER DIAMETER, mm	DESIGN CABLE WEIGHT, kg/km	
		КА9СПвВнг(А)-LS	К9СПвВнг(А)-LS
К(А)9СПвВнг(А)-LS – 10 kV			
1x50/16*	30.5	1,232	1,529
1x50/50*	32.4	1,619	1,916
1x70/16*	32.2	1,326	1,778
1x70/70*	34.1	1,896	2,348
1x95/16*	33.8	1,501	2,070
1x95/70*	35.7	2,071	2,640
1x120/16*	35.2	1,630	2,348
1x120/70*	37.1	2,200	2,918
1x150/25*	36.9	1,889	2,785
1x150/70*	38.8	2,372	3,268
1x185/25*	38.6	2,059	3,164
1x185/70*	40.5	2,771	3,876
1x240/25*	40.8	2,304	3,738
1x240/95*	42.7	3,017	4,451
1x300/25*	43.5	2,612	4,404
1x300/95*	45.4	3,324	5,116
1x400/35*	47.1	3,172	5,561

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

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CONDUCTOR NUMBER × CROSS-SECTION, mm²	CABLE OUTER DIAMETER, mm	DESIGN CABLE WEIGHT, kg/km	
		КА9СПвВнг(А)-LS	К9СПвВнг(А)-LS
1x400/95*	49.0	4,018	6,407
1x500/35*	49.9	3,570	6,556
1x500/120*	51.8	4,416	7,402
1x630/35*	53.2	4,070	7,833
1x630/120*	55.1	4,916	8,679
1x800/35	57.4	4,760	9,538
1x800/150	59.3	5,882	10,660
3x50/16	50.1	3,159	4,065
3x50/50	51.4	3,582	4,488
3x70/16	53.7	3,540	4,919
3x70/50	55	3,968	5,347
3x95/16	57.6	4,233	5,969
3x95/70	58.9	4,858	6,594
3x120/16	60.6	4,752	6,922
3x120/70	61.9	5,356	7,547
3x150/25	63.8	5,386	8,120
3x150/70	65.1	5,930	8,663
3x185/25	67.9	6,123	9,495
3x185/70	69.1	6,673	10,045
3x240/25	72.6	7,081	11,456
3x240/70	73.9	7,643	12,018
3x300/25	78.4	8,311	13,779
3x300/98	79.7	9,115	14,583

** Note: The specifications apply to copper wire shield cables.*

Cross-linked polyethylene-insulated cables for 6–35 kV*

TU 27.32.14-142-05758679-2018

Zavod Moskabel

CONDUCTOR NUMBER × CROSS-SECTION, mm²	CABLE OUTER DIAMETER, mm	DESIGN CABLE WEIGHT, kg/km	
		КА9СПвБВнг(А)-LS	К9СПвБВнг(А)-LS
К(А)9СПвБВнг(А)-LS – 10 kV			
3x50/16*	53.9	4,090	4,996
3x50/50*	55.2	4,537	5,444
3x70/16*	57.9	4,606	5,985
3x70/50*	59.2	5,058	6,438
3x95/16*	61.4	5,305	7,041
3x95/70*	62.7	5,954	7,690
3x120/16*	64.4	5,860	8,051
3x120/70*	65.7	6,508	8,699
3x150/25*	68.0	6,652	9,385
3x150/70*	69.3	7,221	9,955
3x185/25*	71.7	7,389	10,760
3x185/70*	72.9	7,963	11,335
3x240/25*	76.4	8,436	12,811
3x240/70*	77.7	9,022	13,397
3x300/25*	82.2	9,775	15,243
3x300/95*	83.5	10,603	16,071

** Note: The specifications apply to copper wire shield cables.*

CABLE JOINTS

TERMINAL

ПКВ(Н)Тп joints are designed for terminating power cables with cross-linked polyethylene insulation rated for max. 10 kV voltages and 50 Hz frequency. ПКВТп joints are used for indoor installation, whilst ПКНТп joints are used for outdoor installation.

FOR SINGLE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпН-10-1х(10-25)	The MyFTA ПКНТпН-10-1х(10-25)	10, 16, 25
The MyFTA ПКВТпН-10-1х(25-50)	The MyFTA ПКНТпН-10-1х(25-50)	25, 50
The MyFTA ПКВТпН-10-1х(70-120)	The MyFTA ПКНТпН-10-1х(70-120)	70, 95, 120
The MyFTA ПКВТпН-10-1х(150-240)	The MyFTA ПКНТпН-10-1х(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпН-10-3х(10-25)	The MyFTA ПКНТпН-10-3х(10-25)	10, 16, 25
The MyFTA ПКВТпН-10-3х(25-50)	The MyFTA ПКНТпН-10-3х(25-50)	25, 50
The MyFTA ПКВТпН-10-3х(70-120)	The MyFTA ПКНТпН-10-3х(70-120)	70, 95, 120
The MyFTA ПКВТпН-10-3х(150-240)	The MyFTA ПКНТпН-10-3х(150-240)	150, 185, 240

FOR TAPE-ARMOUR CABLE

FOR SINGLE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНб-10-1х(10-25)	The MyFTA ПКНТпНб-10-1х(10-25)	10, 16, 25
The MyFTA ПКВТпНб-10-1х(25-50)	The MyFTA ПКНТпНб-10-1х(25-50)	25, 50
The MyFTA ПКВТпНб-10-1х(70-120)	The MyFTA ПКНТпНб-10-1х(70-120)	70, 95, 120
The MyFTA ПКВТпНб-10-1х(150-240)	The MyFTA ПКНТпНб-10-1х(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНб-10-3х(10-25)	The MyFTA ПКНТпНб-10-3х(10-25)	10, 16, 25
The MyFTA ПКВТпНб-10-3х(25-50)	The MyFTA ПКНТпНб-10-3х(25-50)	25, 50
The MyFTA ПКВТпНб-10-3х(70-120)	The MyFTA ПКНТпНб-10-3х(70-120)	70, 95, 120
The MyFTA ПКВТпНб-10-3х(150-240)	The MyFTA ПКНТпНб-10-3х(150-240)	150, 185, 240

FOR WIRE-ARMOUR CABLE

FOR SINGLE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНкп-10-1х(10-25)	The MyFTA ПКНТпНкп-10-1х(10-25)	10, 16, 25
The MyFTA ПКВТпНкп-10-1х(25-50)	The MyFTA ПКНТпНкп-10-1х(25-50)	25, 50
The MyFTA ПКВТпНкп-10-1х(70-120)	The MyFTA ПКНТпНкп-10-1х(70-120)	70, 95, 120
The MyFTA ПКВТпНкп-10-1х(150-240)	The MyFTA ПКНТпНкп-10-1х(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНкп-10-3х(10-25)	The MyFTA ПКНТпНкп-10-3х(10-25)	10, 16, 25
The MyFTA ПКВТпНкп-10-3х(25-50)	The MyFTA ПКНТпНкп-10-3х(25-50)	25, 50
The MyFTA ПКВТпНкп-10-3х(70-120)	The MyFTA ПКНТпНкп-10-3х(70-120)	70, 95, 120
The MyFTA ПКВТпНкп-10-3х(150-240)	The MyFTA ПКНТпНкп-10-3х(150-240)	150, 185, 240

CONNECTING

ПСТп joints are designed to connect power cables with cross-linked polyethylene insulation rated for max. 10 kV voltages and 50 Hz frequency.

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТп-10-1х(10-25)-бг	The MyFTA ПСТп-10-1х(10-25)	10, 16, 25
The MyFTA ПСТп-10-1х(25-50)-бг	The MyFTA ПСТп-10-1х(25-50)	25, 50
The MyFTA ПСТп-10-1х(70-120)-бг	The MyFTA ПСТп-10-1х(70-120)	70, 95, 120
The MyFTA ПСТп-10-1х(150-240)-бг	The MyFTA ПСТп-10-1х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТп-10-3х(10-25)-бг	The MyFTA ПСТп-10-3х(10-25)	10, 16, 25
The MyFTA ПСТп-10-3х(25-50)-бг	The MyFTA ПСТп-10-3х(25-50)	25, 50
The MyFTA ПСТп-10-3х(70-120)-бг	The MyFTA ПСТп-10-3х(70-120)	70, 95, 120
The MyFTA ПСТп-10-3х(150-240)-бг	The MyFTA ПСТп-10-3х(150-240)	150, 185, 240

FOR TAPE-ARMOUR CABLE

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпб-10-1х(10-25)-бг	The MyFTA ПСТпб-10-1х(10-25)	10, 16, 25
The MyFTA ПСТпб-10-1х(25-50)-бг	The MyFTA ПСТпб-10-1х(25-50)	25, 50
The MyFTA ПСТпб-10-1х(70-120)-бг	The MyFTA ПСТпб-10-1х(70-120)	70, 95, 120
The MyFTA ПСТпб-10-1х(150-240)-бг	The MyFTA ПСТпб-10-1х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпб-10-3х(10-25)-бг	The MyFTA ПСТпб-10-3х(10-25)	10, 16, 25
The MyFTA ПСТпб-10-3х(25-50)-бг	The MyFTA ПСТпб-10-3х(25-50)	25, 50
The MyFTA ПСТпб-10-3х(70-120)-бг	The MyFTA ПСТпб-10-3х(70-120)	70, 95, 120
The MyFTA ПСТпб-10-3х(150-240)-бг	The MyFTA ПСТпб-10-3х(150-240)	150, 185, 240

FOR WIRE-ARMOUR CABLE

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпкп-10-1х(10-25)-бг	The MyFTA ПСТпкп-10-1х(10-25)	10, 16, 25
The MyFTA ПСТпкп-10-1х(25-50)-бг	The MyFTA ПСТпкп-10-1х(25-50)	25, 50
The MyFTA ПСТпкп-10-1х(70-120)-бг	The MyFTA ПСТпкп-10-1х(70-120)	70, 95, 120
The MyFTA ПСТпкп-10-1х(150-240)-бг	The MyFTA ПСТпкп-10-1х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпкп-10-3х(10-25)-бг	The MyFTA ПСТпкп-10-3х(10-25)	10, 16, 25
The MyFTA ПСТпкп-10-3х(25-50)-бг	The MyFTA ПСТпкп-10-3х(25-50)	25, 50
The MyFTA ПСТпкп-10-3х(70-120)-бг	The MyFTA ПСТпкп-10-3х(70-120)	70, 95, 120
The MyFTA ПСТпкп-10-3х(150-240)-бг	The MyFTA ПСТпкп-10-3х(150-240)	150, 185, 240

TERMINAL

ПКВ(Н)Тп joints are designed for terminating power cables with cross-linked polyethylene insulation rated for max. 20 kV voltages and 50 Hz frequency. ПКВТп joints are used for indoor installation, whilst ПКНТп joints are used for outdoor installation.

FOR SINGLE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпН-20-1х(10-25)	The MyFTA ПКНТпН-20-1х(10-25)	10, 16, 25
The MyFTA ПКВТпН-20-1х(25-50)	The MyFTA ПКНТпН-20-1х(25-50)	25, 50
The MyFTA ПКВТпН-20-1х(70-120)	The MyFTA ПКНТпН-20-1х(70-120)	70, 95, 120
The MyFTA ПКВТпН-20-1х(150-240)	The MyFTA ПКНТпН-20-1х(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпН-20-3х(10-25)	The MyFTA ПКНТпН-20-3х(10-25)	10, 16, 25
The MyFTA ПКВТпН-20-3х(25-50)	The MyFTA ПКНТпН-20-3х(25-50)	25, 50
The MyFTA ПКВТпН-20-3х(70-120)	The MyFTA ПКНТпН-20-3х(70-120)	70, 95, 120
The MyFTA ПКВТпН-20-3х(150-240)	The MyFTA ПКНТпН-20-3х(150-240)	150, 185, 240

FOR TAPE-ARMOUR CABLE

FOR SINGLE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНб-20-1х(10-25)	The MyFTA ПКНТпНб-20-1х(10-25)	10, 16, 25
The MyFTA ПКВТпНб-20-1х(25-50)	The MyFTA ПКНТпНб-20-1х(25-50)	25, 50
The MyFTA ПКВТпНб-20-1х(70-120)	The MyFTA ПКНТпНб-20-1х(70-120)	70, 95, 120
The MyFTA ПКВТпНб-20-1х(150-240)	The MyFTA ПКНТпНб-20-1х(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНб-20-3х(10-25)	The MyFTA ПКНТпНб-20-3х(10-25)	10, 16, 25
The MyFTA ПКВТпНб-20-3х(25-50)	The MyFTA ПКНТпНб-20-3х(25-50)	25, 50
The MyFTA ПКВТпНб-20-3х(70-120)	The MyFTA ПКНТпНб-20-3х(70-120)	70, 95, 120
The MyFTA ПКВТпНб-20-3х(150-240)	The MyFTA ПКНТпНб-20-3х(150-240)	150, 185, 240

FOR WIRE-ARMOUR CABLE

FOR SINGLE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНкп-20-1х(10-25)	The MyFTA ПКНТпНкп-20-1х(10-25)	10, 16, 25
The MyFTA ПКВТпНкп-20-1х(25-50)	The MyFTA ПКНТпНкп-20-1х(25-50)	25, 50
The MyFTA ПКВТпНкп-20-1х(70-120)	The MyFTA ПКНТпНкп-20-1х(70-120)	70, 95, 120
The MyFTA ПКВТпНкп-20-1х(150-240)	The MyFTA ПКНТпНкп-20-1х(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНкп-20-3х(10-25)	The MyFTA ПКНТпНкп-20-3х(10-25)	10, 16, 25
The MyFTA ПКВТпНкп-20-3х(25-50)	The MyFTA ПКНТпНкп-20-3х(25-50)	25, 50
The MyFTA ПКВТпНкп-20-3х(70-120)	The MyFTA ПКНТпНкп-20-3х(70-120)	70, 95, 120
The MyFTA ПКВТпНкп-20-3х(150-240)	The MyFTA ПКНТпНкп-20-3х(150-240)	150, 185, 240

CONNECTING

ПСТп joints are designed for connecting power cables with cross-linked polyethylene insulation rated for max. 20 kV voltages and 50 Hz frequency.

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТп-20-1х(10-25)-бг	The MyFTA ПСТп-20-1х(10-25)	10, 16, 25
The MyFTA ПСТп-20-1х(25-50)-бг	The MyFTA ПСТп-20-1х(25-50)	25, 50
The MyFTA ПСТп-20-1х(70-120)-бг	The MyFTA ПСТп-20-1х(70-120)	70, 95, 120
The MyFTA ПСТп-20-1х(150-240)-бг	The MyFTA ПСТп-20-1х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТп-20-3х(10-25)-бг	The MyFTA ПСТп-20-3х(10-25)	10, 16, 25
The MyFTA ПСТп-20-3х(25-50)-бг	The MyFTA ПСТп-20-3х(25-50)	25, 50
The MyFTA ПСТп-20-3х(70-120)-бг	The MyFTA ПСТп-20-3х(70-120)	70, 95, 120
The MyFTA ПСТп-20-3х(150-240)-бг	The MyFTA ПСТп-20-3х(150-240)	150, 185, 240

FOR TAPE-ARMOUR CABLE

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпб-20-1х(10-25)-бг	The MyFTA ПСТпб-20-1х(10-25)	10, 16, 25
The MyFTA ПСТпб-20-1х(25-50)-бг	The MyFTA ПСТпб-20-1х(25-50)	25, 50
The MyFTA ПСТпб-20-1х(70-120)-бг	The MyFTA ПСТпб-20-1х(70-120)	70, 95, 120
The MyFTA ПСТпб-20-1х(150-240)-бг	The MyFTA ПСТпб-20-1х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпб-20-3х(10-25)-бг	The MyFTA ПСТпб-20-3х(10-25)	10, 16, 25
The MyFTA ПСТпб-20-3х(25-50)-бг	The MyFTA ПСТпб-20-3х(25-50)	25, 50
The MyFTA ПСТпб-20-3х(70-120)-бг	The MyFTA ПСТпб-20-3х(70-120)	70, 95, 120
The MyFTA ПСТпб-20-3х(150-240)-бг	The MyFTA ПСТпб-20-3х(150-240)	150, 185, 240

FOR WIRE-ARMOUR CABLE

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпкп-20-1х(10-25)-бг	The MyFTA ПСТпкп-20-1х(10-25)	10, 16, 25
The MyFTA ПСТпкп-20-1х(25-50)-бг	The MyFTA ПСТпкп-20-1х(25-50)	25, 50
The MyFTA ПСТпкп-20-1х(70-120)-бг	The MyFTA ПСТпкп-20-1х(70-120)	70, 95, 120
The MyFTA ПСТпкп-20-1х(150-240)-бг	The MyFTA ПСТпкп-20-1х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпкп-20-3х(10-25)-бг	The MyFTA ПСТпкп-20-3х(10-25)	10, 16, 25
The MyFTA ПСТпкп-20-3х(25-50)-бг	The MyFTA ПСТпкп-20-3х(25-50)	25, 50
The MyFTA ПСТпкп-20-3х(70-120)-бг	The MyFTA ПСТпкп-20-3х(70-120)	70, 95, 120
The MyFTA ПСТпкп-20-3х(150-240)-бг	The MyFTA ПСТпкп-20-3х(150-240)	150, 185, 240

TERMINAL

ПКВ(Н)Тп joints are designed for terminating power cables with cross-linked polyethylene insulation rated for max. 35 kV voltages and 50 Hz frequency. ПКВТп joints are used for indoor installation, whilst ПКНТп joints are used for outdoor installation.

FOR SINGLE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпН-35-1х(10-25)	The MyFTA ПКНТпН-35-1х(10-25)	10, 16, 25
The MyFTA ПКВТпН-35-1х(25-50)	The MyFTA ПКНТпН-35-1х(25-50)	25, 50
The MyFTA ПКВТпН-35-1х(70-120)	The MyFTA ПКНТпН-35-1х(70-120)	70, 95, 120
The MyFTA ПКВТпН-35-1х(150-240)	The MyFTA ПКНТпН-35-1х(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпН-35-3х(10-25)	The MyFTA ПКНТпН-35-3х(10-25)	10, 16, 25
The MyFTA ПКВТпН-35-3х(25-50)	The MyFTA ПКНТпН-35-3х(25-50)	25, 50
The MyFTA ПКВТпН-35-3х(70-120)	The MyFTA ПКНТпН-35-3х(70-120)	70, 95, 120
The MyFTA ПКВТпН-35-3х(150-240)	The MyFTA ПКНТпН-35-3х(150-240)	150, 185, 240

FOR TAPE-ARMOUR CABLE

FOR SINGLE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНб-35-1х(10-25)	The MyFTA ПКНТпНб-35-1х(10-25)	10, 16, 25
The MyFTA ПКВТпНб-35-1х(25-50)	The MyFTA ПКНТпНб-35-1х(25-50)	25, 50
The MyFTA ПКВТпНб-35-1х(70-120)	The MyFTA ПКНТпНб-35-1х(70-120)	70, 95, 120
The MyFTA ПКВТпНб-35-1х(150-240)	The MyFTA ПКНТпНб-35-1х(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНб-35-3х(10-25)	The MyFTA ПКНТпНб-35-3х(10-25)	10, 16, 25
The MyFTA ПКВТпНб-35-3х(25-50)	The MyFTA ПКНТпНб-35-3х(25-50)	25, 50
The MyFTA ПКВТпНб-35-3х(70-120)	The MyFTA ПКНТпНб-35-3х(70-120)	70, 95, 120
The MyFTA ПКВТпНб-35-3х(150-240)	The MyFTA ПКНТпНб-35-3х(150-240)	150, 185, 240

FOR WIRE-ARMOUR CABLE

FOR SINGLE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНкп-35-1х(10-25)	The MyFTA ПКНТпНкп-35-1х(10-25)	10, 16, 25
The MyFTA ПКВТпНкп-35-1х(25-50)	The MyFTA ПКНТпНкп-35-1х(25-50)	25, 50
The MyFTA ПКВТпНкп-35-1х(70-120)	The MyFTA ПКНТпНкп-35-1х(70-120)	70, 95, 120
The MyFTA ПКВТпНкп-35-1х(150-240)	The MyFTA ПКНТпНкп-35-1х(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CROSS-SECTION
The MyFTA ПКВТпНкп-35-3х(10-25)	The MyFTA ПКНТпНкп-35-3х(10-25)	10, 16, 25
The MyFTA ПКВТпНкп-35-3х(25-50)	The MyFTA ПКНТпНкп-35-3х(25-50)	25, 50
The MyFTA ПКВТпНкп-35-3х(70-120)	The MyFTA ПКНТпНкп-35-3х(70-120)	70, 95, 120
The MyFTA ПКВТпНкп-35-3х(150-240)	The MyFTA ПКНТпНкп-35-3х(150-240)	150, 185, 240

CONNECTING

ПСТп joints are designed to connect power cables with cross-linked polyethylene insulation rated for max. 35 kV voltages and 50 Hz frequency.

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТп-35-1х(10-25)-бг	The MyFTA ПСТп-35-1х(10-25)	10, 16, 25
The MyFTA ПСТп-35-1х(25-50)-бг	The MyFTA ПСТп-35-1х(25-50)	25, 50
The MyFTA ПСТп-35-1х(70-120)-бг	The MyFTA ПСТп-35-1х(70-120)	70, 95, 120
The MyFTA ПСТп-35-1х(150-240)-бг	The MyFTA ПСТп-35-1х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТп-35-3х(10-25)-бг	The MyFTA ПСТп-35-3х(10-25)	10, 16, 25
The MyFTA ПСТп-35-3х(25-50)-бг	The MyFTA ПСТп-35-3х(25-50)	25, 50
The MyFTA ПСТп-35-3х(70-120)-бг	The MyFTA ПСТп-35-3х(70-120)	70, 95, 120
The MyFTA ПСТп-35-3х(150-240)-бг	The MyFTA ПСТп-35-3х(150-240)	150, 185, 240

FOR TAPE-ARMOUR CABLE

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпб-35-1х(10-25)-бг	The MyFTA ПСТпб-35-1х(10-25)	10, 16, 25
The MyFTA ПСТпб-35-1х(25-50)-бг	The MyFTA ПСТпб-35-1х(25-50)	25, 50
The MyFTA ПСТпб-35-1х(70-120)-бг	The MyFTA ПСТпб-35-1х(70-120)	70, 95, 120
The MyFTA ПСТпб-35-1х(150-240)-бг	The MyFTA ПСТпб-35-1х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпб-35-3х(10-25)-бг	The MyFTA ПСТпб-35-3х(10-25)	10, 16, 25
The MyFTA ПСТпб-35-3х(25-50)-бг	The MyFTA ПСТпб-35-3х(25-50)	25, 50
The MyFTA ПСТпб-35-3х(70-120)-бг	The MyFTA ПСТпб-35-3х(70-120)	70, 95, 120
The MyFTA ПСТпб-35-3х(150-240)-бг	The MyFTA ПСТпб-35-3х(150-240)	150, 185, 240

FOR WIRE-ARMOUR CABLE

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпкп-35-1х(10-25)-бг	The MyFTA ПСТпкп-35-1х(10-25)	10, 16, 25
The MyFTA ПСТпкп-35-1х(25-50)-бг	The MyFTA ПСТпкп-35-1х(25-50)	25, 50
The MyFTA ПСТпкп-35-1х(70-120)-бг	The MyFTA ПСТпкп-35-1х(70-120)	70, 95, 120
The MyFTA ПСТпкп-35-1х(150-240)-бг	The MyFTA ПСТпкп-35-1х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CROSS-SECTION
The MyFTA ПСТпкп-35-3х(10-25)-бг	The MyFTA ПСТпкп-35-3х(10-25)	10, 16, 25
The MyFTA ПСТпкп-35-3х(25-50)-бг	The MyFTA ПСТпкп-35-3х(25-50)	25, 50
The MyFTA ПСТпкп-35-3х(70-120)-бг	The MyFTA ПСТпкп-35-3х(70-120)	70, 95, 120
The MyFTA ПСТпкп-35-3х(150-240)-бг	The MyFTA ПСТпкп-35-3х(150-240)	150, 185, 240

These joints may be made in -нг, -нгLS, -нгHF и -нгFRLS versions.

For example, The MyFTA ПКВТпНкп(нгLS)-10-3х(25-50) or The MyFTA ПСТпкп(нгHF)-10-1х(70-120)

Zavod Moskabel

SALES DEPARTMENT

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