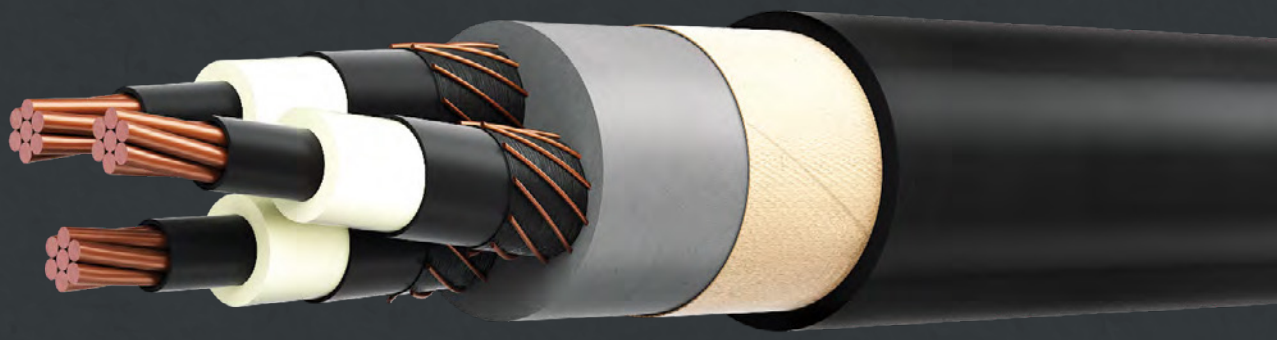
MOSKABELMET
Group of Companies

CABLES WITH ETHYLENE-PROPYLENE RUBBER INSULATION

FOR LOW AND MEDIUM VOLTAGE UP TO 35 kV



MOSKABELMET
Group of Companies

POWER AND CONTROL CABLES WITH HIGH-MODULUS ETHYLENE-PROPYLENE RUBBER INSULATION

FOR 0.66 AND 1 kV VOLTAGES

Power and control cables with high-modulus ethylene-propylene rubber insulation for0.66 and 1 kV voltage

TU 27.32.13-146-05758679-2019

Designed for power transmission and distribution in fixed electrical installations at 0.38/0.66 and 0.6/1 kV rated AC voltage, max. 100 Hz rated frequency.

УХЛ climatic version, location categories 1 and 5 as per GOST 15150-69.

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH ALUMINIUM CONDUCTOR	WITH COPPER CONDUCTOR		
КАЭРВП	КЭРВП	High-modulus EPR rubber insulation, polyethylene sheath	О2.8.2.5.4
КАЭРВСБП	КЭРВСБП	High-modulus EPR rubber insulation, polyethylene sheath, armour of two galvanized steel tapes	О2.8.2.5.4
КАЭРВАБП	КЭРВАБП	High-modulus EPR rubber insulation, polyethylene sheath , armour of two aluminium/aluminium alloy tapes	О2.8.2.5.4
КАЭРВСКП	КЭРВСКП	High-modulus EPR rubber insulation, polyethylene sheath, galvanized steel wire armour	О2.8.2.5.4
КАЭРВАКП	КЭРВАКП	High-modulus EPR rubber insulation, polyethylene sheath, aluminium/aluminium alloy wire armour	О2.8.2.5.4
КАЭРВАГП	КЭРВАГП	High-modulus EPR rubber insulation, polyethylene sheath, corrugated aluminium tubing armour	О2.8.2.5.4
КАЭРВАГПу	КЭРВАГПу	High-modulus EPR rubber insulation, corrugated aluminium tubing armour , reinforced polyethylene sheath	О2.8.2.5.4
КАЭРВЭАГПу	КЭРВЭАГПу	The same, with a copper screen	О2.8.2.5.4
КАЭРВВнг(А)-LS	КЭРВВнг(А)-LS	High-modulus EPR rubber insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission	П1б.8.2.2.2
КАЭРВЭВнг(А)-LS	КЭРВЭВнг(А)-LS	The same, with a copper screen beneath the sheath	П1б.8.2.2.2
КАЭРВСБВнг(А)-LS	КЭРВСБВнг(А)-LS	High-modulus EPR rubber insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, armour of two galvanized steel tapes	П1б.8.2.2.2
КАЭРВАБВнг(А)-LS	КЭРВАБВнг(А)-LS	High-modulus EPR rubber insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, armour of two aluminium/ aluminium alloy tapes	П1б.8.2.2.2
КАЭРВСКВнг(А)-LS	КЭРВСКВнг(А)-LS	High-modulus EPR rubber insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, galvanized steel wire armour	П1б.8.2.2.2
КАЭРВАКВнг(А)-LS	КЭРВАКВнг(А)-LS	High-modulus EPR rubber insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, aluminium/aluminium alloy wire armour	П1б.8.2.2.2
КАЭРВАГВнг(А)-LS	КЭРВАГВнг(А)-LS	High-modulus EPR rubber insulation, corrugated aluminium tubing armour, sheath of a low-fire-hazard polyvinyl chloride compound	П1б.8.2.2.2
КАЭРВЭАГВнг(А)-LS	КЭРВЭАГВнг(А)-LS	The same, with a copper screen	П1б.8.2.2.2
-	КЭРВВнг(А)-FRLS	Thermal barrier over the copper conductor, high-modulus EPR rubber insulation, sheath of a low-flame-retardant polyvinyl chloride compound	П1б.1.2.2.2
-	КЭРВЭВнг(А)-FRLS	The same, with a copper screen beneath the sheath	П1б.1.2.2.2
-	КЭРВСБВнг(А)-FRLS	Thermal barrier over the copper conductor, high-modulus EPR rubber insulation, sheath of low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, armour of two galvanized steel tapes	П1б.1.2.2.2

Power and control cables with high-modulus ethylene-propylene rubber insulation for0.66 and 1 kV voltage

TU 27.32.13-146-05758679-2019

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH ALUMINIUM CONDUCTOR	WITH COPPER CONDUCTOR		
-	К9РВАБВнг(А)-FRLS	Thermal barrier over the copper conductor, high-modulus EPR rubber insulation, sheath of low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, armour of two aluminium/aluminium alloy tapes	П16.1.2.2.2
-	К9РВСКВнг(А)-FRLS	Thermal barrier over the copper conductor, high-modulus EPR rubber insulation, sheath of low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, galvanized steel wire armour	П16.1.2.2.2
-	К9РВАКВнг(А)-FRLS	Thermal barrier over the copper conductor, high-modulus EPR rubber insulation, sheath of low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, aluminium/aluminium alloy wire armour	П16.1.2.2.2
-	К9РВАГВнг(А)-FRLS	Thermal barrier over the copper conductor, high-modulus EPR rubber insulation, corrugated aluminium tubing armour, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission	П16.8.2.2.2
-	К9РВЭАГВнг(А)-FRLS	The same, with a copper screen	П16.8.2.2.2
КА9РВПМнг(А)-HF	К9РВПМнг(А)-HF	High-modulus EPR rubber insulation, halogen-free polymer compound sheath, frost-resistant	П16.8.1.2.1
КА9РВЭПМнг(А)-HF	К9РВЭПМнг(А)-HF	The same, with a copper screen beneath the sheath	П16.8.1.2.1
КА9РВСБПМнг(А)-HF	К9РВСБПМнг(А)-HF	High-modulus EPR rubber insulation, halogen-free polymer compound sheath, galvanized steel tape armour, frost-resistant	П16.8.1.2.1
КА9РВАБПМнг(А)-HF	К9РВАБПМнг(А)-HF	High-modulus EPR rubber insulation, halogen-free polymer compound sheath, armour of two aluminium/aluminium alloy tapes, frost-resistant	П16.8.1.2.1
КА9РВСКПМнг(А)-HF	К9РВСКПМнг(А)-HF	High-modulus EPR rubber insulation, halogen-free polymer compound sheath, galvanized steel wire armour, frost-resistant	П16.8.1.2.1
КА9РВАКПМнг(А)-HF	К9РВАКПМнг(А)-HF	High-modulus EPR rubber insulation, halogen-free polymer compound sheath, aluminium/aluminium alloy wire armour, frost-resistant	П16.8.1.2.1
КА9РВАГПМнг(А)-HF	К9РВАГПМнг(А)-HF	High-modulus EPR rubber insulation, corrugated aluminium tubing armour, halogen-free polymer compound sheath, frost-resistant	П16.8.1.2.1
КА9РВЭАГПМнг(А)-HF	К9РВЭАГПМнг(А)-HF	The same, with a copper screen	П16.8.1.2.1
-	К9РВПМнг(А)-FRHF	Thermal barrier over copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath, frost-resistant	П16.1.1.2.1
-	К9РВЭПМнг(А)-FRHF	The same, with a copper screen beneath the sheath	П16.1.1.2.1
-	К9РВСБПМнг(А)-FRHF	Thermal barrier over copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath, galvanized steel tape armour, frost-resistant	П16.1.1.2.1
-	К9РВАБПМнг(А)- FRHF	Thermal barrier over copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath, armour of two aluminium/aluminium alloy tapes, frost-resistant	П16.1.1.2.1
-	К9РВСКПМнг(А)-FRHF	Thermal barrier over copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath, galvanized steel wire armour, frost-resistant	П16.1.1.2.1
-	К9РВАКПМнг(А)-FRHF	Thermal barrier over copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath, aluminium/aluminium alloy wire armour, frost-resistant	П16.1.1.2.1
-	К9РВАГПМнг(А)-FRHF	Thermal barrier over the copper conductor, high-modulus EPR rubber insulation, corrugated aluminium tubing armour, halogen-free polymer compound sheath, frost-resistant	П16.1.1.2.1
-	К9РВЭАГПМнг(А)-FRHF	The same, with a copper screen	П16.1.1.2.1

Power and control cables with high-modulus ethylene-propylene rubber insulation for0.66 and 1 kV voltage

TU 27.32.13-146-05758679-2019

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH ALUMINIUM CONDUCTOR	WITH COPPER CONDUCTOR		
КА9РВПнг(А)-HF	К9РВПнг(А)-HF	High-modulus EPR rubber insulation, sheath made of halogen-free polymer compounds	П1б.8.1.2.1
КА9РВСБПнг(А)-HF	К9РВСБПнг(А)-HF	High-modulus EPR rubber insulation, halogen-free polymer compound sheath, galvanized steel tape armour	П1б.8.1.2.1
КА9РВЭСБПнг(А)-HF	К9РВЭСБПнг(А)-HF	The same, with a copper screen beneath the sheath	П1б.8.1.2.1
КА9РВАБПнг(А)-HF	К9РВАБПнг(А)-HF	High-modulus EPR rubber insulation, halogen-free polymer compound sheath, armour of two aluminium/ aluminium alloy tapes	П1б.8.1.2.1
КА9РВСКПнг(А)-HF	К9РВСКПнг(А)-HF	High-modulus EPR rubber insulation, halogen-free polymer compound sheath, galvanized steel wire armour	П1б.8.1.2.1
КА9РВЭСКПнг(А)-HF	К9РВЭСКПнг(А)-HF	The same, with a copper screen beneath the sheath	П1б.8.1.2.1
КА9РВАКПнг(А)-HF	К9РВАКПнг(А)-HF	High-modulus EPR rubber insulation, halogen-free polymer compound sheath, aluminium/ aluminium alloy wire armour	П1б.8.1.2.1
КА9РВАГПнг(А)-HF	К9РВАГПнг(А)-HF	High-modulus EPR rubber insulation, halogen-free polymer compound sheath, corrugated aluminium tubing armour	П1б.8.1.2.1
-	К9РВПнг(А)-FRHF	Thermal barrier over the copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath	П1б.1.1.2.1
-	К9РВСБПнг(А)-FRHF	Thermal barrier over copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath, galvanized steel tape armour	П1б.1.1.2.1
-	К9РВЭСБПнг(А)-FRHF	The same, with a copper screen beneath the sheath	П1б.1.1.2.1
-	К9РВАБПнг(А)-FRHF	Thermal barrier over copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath, armour of two aluminium/ aluminium alloy tapes	П1б.1.1.2.1
-	К9РВСКПнг(А)-FRHF	Thermal barrier over copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath, galvanized steel wire armour	П1б.1.1.2.1
-	К9РВЭСКПнг(А)-FRHF	The same, with a copper screen beneath the sheath	П1б.1.1.2.1
-	К9РВАКПнг(А)-FRHF	Thermal barrier over copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath, aluminium/ aluminium alloy wire armour	П1б.1.1.2.1
-	К9РВАГПнг(А)-FRHF	Thermal barrier over copper conductor, high-modulus EPR rubber insulation, halogen-free polymer compound sheath, aluminium corrugated tubing armour	П1б.1.1.2.1

Note: Cables with 7 or more conductors are control cables

Power and control cables with high-modulus ethylene-propylene rubber insulation for0.66 and 1 kV voltage

TU 27.32.13-146-05758679-2019

CABLE TYPE	NUMBER OF CONDUCTORS	NOMINAL CONDUCTOR CROSS-SECTION, mm²	
		RATED VOLTAGE, kV	
		0.66	1
With copper conductors, unshielded	1	1.5 - 50	1.5 - 1000
	2, 5		1.5 - 240
	3, 4		1.5 - 400
	7, 10, 14, 16, 19, 24, 27, 37, 52	0.75; 1; 1.5; 2.5	-
With aluminium conductors, unshielded	1	2.5 - 50	2.5 - 1000
	2, 5		2.5 - 240
	3, 4		2.5 - 400
With copper conductors, shielded	1	-	10 - 630
	2, 5	1.5 - 50	1.5 - 240
	3, 4		1.5 - 400
	7, 10, 14, 16, 19, 24, 27, 37, 52	0.75; 1; 1.5; 2.5	-
With aluminium conductors, shielded	1	-	10 - 630
	2, 5	2.5 - 50	2.5 - 240
	3, 4		2.5 - 400

Test procedure and requirements

The cables are designed for single or grouped cable laying: open on walls and civil structures using cable clamps and cable supports, in cable ducts, trays, and on wire ropes. Armoured cables may be laid underground (in trenches) or in blocks in explosion-hazardous areas of any class. Unarmoured cables may be laid openly in B-Iб, B-IIa, B-Iг explosion-hazardous areas; openly in trays – in B-Ia, B-Iб, B-Iг explosion-hazardous zones; in dust-sealed or sand-filled ducts – in B-II, B-IIa explosion-hazardous zones.

Unarmoured cables may be laid if there is no risk of mechanical damage; tape-armoured cables may be laid if there is no risk of tensile forces during operation; and wire-armoured cables may be laid if there are tensile forces during operation.

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.

RATED VOLTAGE	0.38/0.66 and 0.6/1 kV
Ambient temperature during cable operation	-60°C to +60°C
Relative air humidity (at max. +35°C)	98%
Minimum cable laying temperature without preheating: - For all sheathing types, except polyethylene and frost-resistant ones - For polyethylene sheathing - For frost-resistant cables	 -15°C -20°C -35°C
Continuous permissible operating temperature of the cable conductors	90°C
Permissible temperature of cable conductors in emergency mode, max.	130°C
Max. temperature of cable conductors during a short circuit	250°C
Minimum permissible cable bending radius during installation: - Single-core power cables and armoured control cables - Multi-core power cables - For unarmoured control cables	 10 $D_н$ 7.5 $D_н$ 6 $D_н$

RATED VOLTAGE	0.38/0.66 and 0.6/1 kV
Maximum permissible tensile forces during cable pulling along the route: for cables with aluminium conductors for cables with copper conductors	30 N/mm² of conductor cross-section 50 N/mm² of conductor cross-section
Service life	30 years
Warranty period for cable operation	10 years

Permissible current loads for power cables under normal operating conditions for copper conductor cables

RATED CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A					
	SINGLE-CONDUCTOR		TWO-CONDUCTOR		THREE-, FOUR-, FIVE-CONDUCTOR	
	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND
1.5	29	33	31	33	27	36
2.5	39	42	41	43	34	41
4	50	55	53	55	45	53
6	63	67	67	69	56	65
10	83	89	91	92	79	88
16	109	116	122	120	105	113
25	156	149	161	154	143	145
35	188	175	196	185	174	175
50	227	210	238	220	210	207
70	282	257	295	267	267	254
95	345	307	363	322	329	305
120	409	350	418	365	382	348
150	466	391	472	407	437	393
185	539	445	544	461	505	443
240	642	516	636	531	599	517
300	741	505	-	-	690	585
400	863	663	-	-	808	671
500	998	747				
630	1,151	841				
800	1,303	933				
1,000	1,453	1,020				

** 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.*

Power and control cables with high-modulus ethylene-propylene rubber insulation for0.66 and 1 kV voltage

TU 27.32.13-146-05758679-2019

Permissible current loads for power cables under normal operating conditions for aluminium conductor cables

RATED CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A					
	SINGLE-CONDUCTOR		TWO-CONDUCTOR		THREE-, FOUR-, FIVE-CONDUCTOR	
	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND
2.5	26	35	23	25	24	32
4	35	45	33	34	34	43
6	43	56	41	41	44	52
10	58	72	56	53	59	69
16	80	91	75	69	80	91
25	123	115	103	85	110	113
35	140	137	129	113	135	137
50	173	163	154	137	160	159
70	217	200	205	188	205	197
95	269	238	253	231	249	235
120	315	272	289	264	291	268
150	362	305	327	303	332	301
185	420	347	396	362	383	343
240	503	405	465	441	455	398
300	581	457	-	-	539	457
400	683	525	-	-	637	528
500	801	601				
630	937	687			-	
800	1,083	775				
1,000	1,228	634				

** 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:

The permissible current load for power cables under normal operating conditions are specified for 25 °C ambient temperature for aboveground installation and 15 °C for underground installation.

- Depth of cable burial: 0.7 m;

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

Apply correction factors for other design ambient temperatures.

CONDITIONAL AMBIENT TEMPERATURE, °C	CURRENT CORRECTION FACTORS AT DESIGN AMBIENT TEMPERATURE, °C											
	-5 AND BELOW	0	5	10	15	20	25	30	35	40	45	50
15	1.13	1.1	1.06	1.03	1	0.97	0.93	0.89	0.86	0.82	0.77	0.73
25	1.21	1.18	1.14	1.11	1.07	1.04	1	0.96	0.92	0.88	0.83	0.78

Permissible one-second short-circuit currents for cables must not exceed the following:

NOMINAL CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE ONE-SECOND SHORT-CIRCUIT CURRENT FOR CABLES, kA	
	COPPER CONDUCTORS	ALUMINIUM CONDUCTORS
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	13.0	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	49.50	32.50
630	86.95	56.95
800	110.40	72.33
1,000	138.00	90.40

If the short-circuit duration differs from 1 second, multiply the short-circuit currents 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

PKBHTп joints are designed for terminating power cables with ethylene-propylene rubber insulation rated for max. 1 kV voltages and 50 Hz frequency. The joints are suitable for both indoor and outdoor installation. Suitable for PвB, APвB and similar cables.

FOR SINGLE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTп-1-1x(10-25)	The MyFTA PKBHTпH-1-1x(10-25)	10, 16, 25
The MyFTA PKBHTп-1-1x(25-50)	The MyFTA PKBHTпH-1-1x(25-50)	25, 35, 50
The MyFTA PKBHTп-1-1x(70-120)	The MyFTA PKBHTпH-1-1x(70-120)	70, 95, 120
The MyFTA PKBHTп-1-1x(150-240)	The MyFTA PKBHTпH-1-1x(150-240)	150, 185, 240

FOR MILTI-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTп-1-2x(10-25)	The MyFTA PKBHTпH-1-2x(10-25)	10, 16, 25
The MyFTA PKBHTп-1-2x(25-50)	The MyFTA PKBHTпH-1-2x(25-50)	25, 35, 50
The MyFTA PKBHTп-1-2x(70-120)	The MyFTA PKBHTпH-1-2x(70-120)	70, 95, 120
The MyFTA PKBHTп-1-2x(150-240)	The MyFTA PKBHTпH-1-2x(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTп-1-3x(10-25)	The MyFTA PKBHTпH-1-3x(10-25)	10, 16, 25
The MyFTA PKBHTп-1-3x(25-50)	The MyFTA PKBHTпH-1-3x(25-50)	25, 35, 50
The MyFTA PKBHTп-1-3x(70-120)	The MyFTA PKBHTпH-1-3x(70-120)	70, 95, 120
The MyFTA PKBHTп-1-3x(150-240)	The MyFTA PKBHTпH-1-3x(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTп-1-4x(10-25)	The MyFTA PKBHTпH-1-4x(10-25)	10, 16, 25
The MyFTA PKBHTп-1-4x(25-50)	The MyFTA PKBHTпH-1-4x(25-50)	25, 35, 50
The MyFTA PKBHTп-1-4x(70-120)	The MyFTA PKBHTпH-1-4x(70-120)	70, 95, 120
The MyFTA PKBHTп-1-4x(150-240)	The MyFTA PKBHTпH-1-4x(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTп-1-5x(10-25)	The MyFTA PKBHTпH-1-5x(10-25)	10, 16, 25
The MyFTA PKBHTп-1-5x(25-50)	The MyFTA PKBHTпH-1-5x(25-50)	25, 35, 50
The MyFTA PKBHTп-1-5x(70-120)	The MyFTA PKBHTпH-1-5x(70-120)	70, 95, 120
The MyFTA PKBHTп-1-5x(150-240)	The MyFTA PKBHTпH-1-5x(150-240)	150, 185, 240

PKBHTпб joints are designed for terminating power cables with ethylene-propylene rubber insulation, a screen or tape armour, rated for max. 1 kV voltages and 50 Hz frequency. The joints are suitable for both indoor and outdoor installation. Suitable for РвВЭ, РвБаШв and similar cables

FOR SINGLE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTпб-1-1x(10-25)	The MyFTA PKBHTпНб-1-1x(10-25)	10, 16, 25
The MyFTA PKBHTпб-1-1x(25-50)	The MyFTA PKBHTпНб-1-1x(25-50)	25, 35, 50
The MyFTA PKBHTпб-1-1x(70-120)	The MyFTA PKBHTпНб-1-1x(70-120)	70, 95, 120
The MyFTA PKBHTпб-1-1x(150-240)	The MyFTA PKBHTпНб-1-1x(150-240)	150, 185, 240

FOR MILTI-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTпб-1-2x(10-25)	The MyFTA PKBHTпНб-1-2x(10-25)	10, 16, 25
The MyFTA PKBHTпб-1-2x(25-50)	The MyFTA PKBHTпНб-1-2x(25-50)	25, 35, 50
The MyFTA PKBHTпб-1-2x(70-120)	The MyFTA PKBHTпНб-1-2x(70-120)	70, 95, 120
The MyFTA PKBHTпб-1-2x(150-240)	The MyFTA PKBHTпНб-1-2x(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTпб-1-3x(10-25)	The MyFTA PKBHTпНб-1-3x(10-25)	10, 16, 25
The MyFTA PKBHTпб-1-3x(25-50)	The MyFTA PKBHTпНб-1-3x(25-50)	25, 35, 50
The MyFTA PKBHTпб-1-3x(70-120)	The MyFTA PKBHTпНб-1-3x(70-120)	70, 95, 120
The MyFTA PKBHTпб-1-3x(150-240)	The MyFTA PKBHTпНб-1-3x(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTпб-1-4x(10-25)	The MyFTA PKBHTпНб-1-4x(10-25)	10, 16, 25
The MyFTA PKBHTпб-1-4x(25-50)	The MyFTA PKBHTпНб-1-4x(25-50)	25, 35, 50
The MyFTA PKBHTпб-1-4x(70-120)	The MyFTA PKBHTпНб-1-4x(70-120)	70, 95, 120
The MyFTA PKBHTпб-1-4x(150-240)	The MyFTA PKBHTпНб-1-4x(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTпб-1-5x(10-25)	The MyFTA PKBHTпНб-1-5x(10-25)	10, 16, 25
The MyFTA PKBHTпб-1-5x(25-50)	The MyFTA PKBHTпНб-1-5x(25-50)	25, 35, 50
The MyFTA PKBHTпб-1-5x(70-120)	The MyFTA PKBHTпНб-1-5x(70-120)	70, 95, 120
The MyFTA PKBHTпб-1-5x(150-240)	The MyFTA PKBHTпНб-1-5x(150-240)	150, 185, 240

PKBHTпкп joints are designed for terminating power cables with ethylene-propylene rubber insulation and round wire armour, rated for max. 1 kV voltage and 50 Hz frequency. The joints are suitable for both indoor and outdoor installation. Suitable for РвКШв, АРвКШв and similar cables

FOR SINGLE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTпкп-1-1x(10-25)	The MyFTA PKBHTпНкп-1-1x(10-25)	10, 16, 25
The MyFTA PKBHTпкп-1-1x(25-50)	The MyFTA PKBHTпНкп-1-1x(25-50)	25, 35, 50
The MyFTA PKBHTпкп-1-1x(70-120)	The MyFTA PKBHTпНкп-1-1x(70-120)	70, 95, 120
The MyFTA PKBHTпкп-1-1x(150-240)	The MyFTA PKBHTпНкп-1-1x(150-240)	150, 185, 240

FOR MILTI-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTпкп-1-2x(10-25)	The MyFTA PKBHTпНкп-1-2x(10-25)	10, 16, 25
The MyFTA PKBHTпкп-1-2x(25-50)	The MyFTA PKBHTпНкп-1-2x(25-50)	25, 35, 50
The MyFTA PKBHTпкп-1-2x(70-120)	The MyFTA PKBHTпНкп-1-2x(70-120)	70, 95, 120
The MyFTA PKBHTпкп-1-2x(150-240)	The MyFTA PKBHTпНкп-1-2x(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTпкп-1-3x(10-25)	The MyFTA PKBHTпНкп-1-3x(10-25)	10, 16, 25
The MyFTA PKBHTпкп-1-3x(25-50)	The MyFTA PKBHTпНкп-1-3x(25-50)	25, 35, 50
The MyFTA PKBHTпкп-1-3x(70-120)	The MyFTA PKBHTпНкп-1-3x(70-120)	70, 95, 120
The MyFTA PKBHTпкп-1-3x(150-240)	The MyFTA PKBHTпНкп-1-3x(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTпкп-1-4x(10-25)	The MyFTA PKBHTпНкп-1-4x(10-25)	10, 16, 25
The MyFTA PKBHTпкп-1-4x(25-50)	The MyFTA PKBHTпНкп-1-4x(25-50)	25, 35, 50
The MyFTA PKBHTпкп-1-4x(70-120)	The MyFTA PKBHTпНкп-1-4x(70-120)	70, 95, 120
The MyFTA PKBHTпкп-1-4x(150-240)	The MyFTA PKBHTпНкп-1-4x(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT TERMINATION	WITH TERMINATION	CONDUCTOR CROSS-SECTION
The MyFTA PKBHTпкп-1-5x(10-25)	The MyFTA PKBHTпНкп-1-5x(10-25)	10, 16, 25
The MyFTA PKBHTпкп-1-5x(25-50)	The MyFTA PKBHTпНкп-1-5x(25-50)	25, 35, 50
The MyFTA PKBHTпкп-1-5x(70-120)	The MyFTA PKBHTпНкп-1-5x(70-120)	70, 95, 120
The MyFTA PKBHTпкп-1-5x(150-240)	The MyFTA PKBHTпНкп-1-5x(150-240)	150, 185, 240

CONNECTING

PCTп joints are designed for connecting power cables with ethylene-propylene rubber insulation for max. 1 kV voltage and 50 Hz frequency. Suitable for РвВ, АРвВ and similar cables.

FOR SINGLE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA PCTп-1-1x(10-25)-6г	The MyFTA PCTп-1-1x(10-25)	10, 16, 25
The MyFTA PCTп-1-1x(25-50)-6г	The MyFTA PCTп-1-1x(25-50)	25, 35, 50
The MyFTA PCTп-1-1x(70-120)-6г	The MyFTA PCTп-1-1x(70-120)	70, 95, 120
The MyFTA PCTп-1-1x(150-240)-6г	The MyFTA PCTп-1-1x(150-240)	150, 185, 240

FOR MILTI-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA PCTп-1-2x(10-25)-6г	The MyFTA PCTп-1-2x(10-25)	10, 16, 25
The MyFTA PCTп-1-2x(25-50)-6г	The MyFTA PCTп-1-2x(25-50)	25, 35, 50
The MyFTA PCTп-1-2x(70-120)-6г	The MyFTA PCTп-1-2x(70-120)	70, 95, 120
The MyFTA PCTп-1-2x(150-240)-6г	The MyFTA PCTп-1-2x(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA PCTп-1-3x(10-25)-6г	The MyFTA PCTп-1-3x(10-25)	10, 16, 25
The MyFTA PCTп-1-3x(25-50)-6г	The MyFTA PCTп-1-3x(25-50)	25, 35, 50
The MyFTA PCTп-1-3x(70-120)-6г	The MyFTA PCTп-1-3x(70-120)	70, 95, 120
The MyFTA PCTп-1-3x(150-240)-6г	The MyFTA PCTп-1-3x(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA PCTп-1-4x(10-25)-6г	The MyFTA PCTп-1-4x(10-25)	10, 16, 25
The MyFTA PCTп-1-4x(25-50)-6г	The MyFTA PCTп-1-4x(25-50)	25, 35, 50
The MyFTA PCTп-1-4x(70-120)-6г	The MyFTA PCTп-1-4x(70-120)	70, 95, 120
The MyFTA PCTп-1-4x(150-240)-6г	The MyFTA PCTп-1-4x(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA PCTп-1-5x(10-25)-6г	The MyFTA PCTп-1-5x(10-25)	10, 16, 25
The MyFTA PCTп-1-5x(25-50)-6г	The MyFTA PCTп-1-5x(25-50)	25, 35, 50
The MyFTA PCTп-1-5x(70-120)-6г	The MyFTA PCTп-1-5x(70-120)	70, 95, 120
The MyFTA PCTп-1-5x(150-240)-6г	The MyFTA PCTп-1-5x(150-240)	150, 185, 240

РСТпб joints are designed for connecting power cables with ethylene-propylene rubber insulation and a screen or tape armour, for max. 1 kV voltage and 50 Hz frequency. Suitable for РвВЭ, РвБаШв and similar cables.

FOR SINGLE-CORE

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

FOR MILTI-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA РСТпб-1-2х(10-25)-бг	The MyFTA РСТпб-1-2х(10-25)	10, 16, 25
The MyFTA РСТпб-1-2х(25-50)-бг	The MyFTA РСТпб-1-2х(25-50)	25, 35, 50
The MyFTA РСТпб-1-2х(70-120)-бг	The MyFTA РСТпб-1-2х(70-120)	70, 95, 120
The MyFTA РСТпб-1-2х(150-240)-бг	The MyFTA РСТпб-1-2х(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA РСТпб-1-3х(10-25)-бг	The MyFTA РСТпб-1-3х(10-25)	10, 16, 25
The MyFTA РСТпб-1-3х(25-50)-бг	The MyFTA РСТпб-1-3х(25-50)	25, 35, 50
The MyFTA РСТпб-1-3х(70-120)-бг	The MyFTA РСТпб-1-3х(70-120)	70, 95, 120
The MyFTA РСТпб-1-3х(150-240)-бг	The MyFTA РСТпб-1-3х(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA РСТпб-1-4х(10-25)-бг	The MyFTA РСТпб-1-4х(10-25)	10, 16, 25
The MyFTA РСТпб-1-4х(25-50)-бг	The MyFTA РСТпб-1-4х(25-50)	25, 35, 50
The MyFTA РСТпб-1-4х(70-120)-бг	The MyFTA РСТпб-1-4х(70-120)	70, 95, 120
The MyFTA РСТпб-1-4х(150-240)-бг	The MyFTA РСТпб-1-4х(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA РСТпб-1-5х(10-25)-бг	The MyFTA РСТпб-1-5х(10-25)-бг	10, 16, 25
The MyFTA РСТпб-1-5х(25-50)-бг	The MyFTA РСТпб-1-5х(25-50)-бг	25, 35, 50
The MyFTA РСТпб-1-5х(70-120)-бг	The MyFTA РСТпб-1-5х(70-120)-бг	70, 95, 120
The MyFTA РСТпб-1-5х(150-240)-бг	The MyFTA РСТпб-1-5х(150-240)-бг	150, 185, 240

PCTпкп joints are designed for connecting power cables with ethylene-propylene rubber insulation and round wire armour for max. 1 kV voltage and 50 Hz frequency. Suitable for РвКШв, АРвКШв and similar cables.

FOR SINGLE-CORE

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

FOR MILTI-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA PCTпкп-1-2x(10-25)-бг	The MyFTA PCTпкп-1-2x(10-25)	10, 16, 25
The MyFTA PCTпкп-1-2x(25-50)-бг	The MyFTA PCTпкп-1-2x(25-50)	25, 35, 50
The MyFTA PCTпкп-1-2x(70-120)-бг	The MyFTA PCTпкп-1-2x(70-120)	70, 95, 120
The MyFTA PCTпкп-1-2x(150-240)-бг	The MyFTA PCTпкп-1-2x(150-240)	150, 185, 240

FOR THREE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA PCTпкп-1-3x(10-25)-бг	The MyFTA PCTпкп-1-3x(10-25)	10, 16, 25
The MyFTA PCTпкп-1-3x(25-50)-бг	The MyFTA PCTпкп-1-3x(25-50)	25, 35, 50
The MyFTA PCTпкп-1-3x(70-120)-бг	The MyFTA PCTпкп-1-3x(70-120)	70, 95, 120
The MyFTA PCTпкп-1-3x(150-240)-бг	The MyFTA PCTпкп-1-3x(150-240)	150, 185, 240

FOR FOUR-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA PCTпкп-1-4x(10-25)	The MyFTA PCTпкп-1-4x(10-25)	10, 16, 25
The MyFTA PCTпкп-1-4x(25-50)	The MyFTA PCTпкп-1-4x(25-50)	25, 35, 50
The MyFTA PCTпкп-1-4x(70-120)	The MyFTA PCTпкп-1-4x(70-120)	70, 95, 120
The MyFTA PCTпкп-1-4x(150-240)	The MyFTA PCTпкп-1-4x(150-240)	150, 185, 240

FOR FIVE-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	CONDUCTOR CROSS-SECTION
The MyFTA PCTпкп-1-5x(10-25)-бг	The MyFTA PCTпкп-1-5x(10-25)	10, 16, 25
The MyFTA PCTпкп-1-5x(25-50)-бг	The MyFTA PCTпкп-1-5x(25-50)	25, 35, 50
The MyFTA PCTпкп-1-5x(70-120)-бг	The MyFTA PCTпкп-1-5x(70-120)	70, 95, 120
The MyFTA PCTпкп-1-5x(150-240)-бг	The MyFTA PCTпкп-1-5x(150-240)	150, 185, 240

These joints are also available in the following versions: нг, нгLS, нгHF and нгFRLS.

For example The MyFTA РКВНТпНкп(нгLS)-1-5x(10-25) or The MyFTA PCTпкп(нгHF)-1-5x(10-25)

MOSKABELMET
Group of Companies

POWER CABLES WITH HIGH-MODULUS ETHYLENE-PROPYLENE RUBBER INSULATION

FOR 6 - 35kV VOLTAGES

Power cables with high-modulus ethylene-propylene rubber insulation for 6 - 35 kV rated voltage

TU 27.32.14-153-05758679-2019

Designed for power transmission and distribution in fixed electrical installations at 6 - 35 kV rated alternating voltage and 50 Hz rated frequency.

Rated cable voltage U_0/U – 3.6/6; 6/10; 8.7/15; 12/20; 18/30; 20/35.

УХЛ climatic version, location categories 1 and 5 as per GOST 15150-69.

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH ALUMINIUM CONDUCTOR	WITH COPPER CONDUCTOR		
КАЭРВПу	КЭРВПу	EPR insulation with reinforced polyethylene sheath	-
КАЭРВЭПу	КЭРВЭПу	EPR insulation with reinforced polyethylene sheath and screen under the sheath	-
КАЭРВПуг	КЭРВПуг	EPR insulation with reinforced polyethylene sheath and longitudinal sealing with water-blocking tapes	-
КАЭРВЭПуг	КЭРВЭПуг	EPR insulation, with reinforced polyethylene sheath, longitudinally sealed with water-blocking tapes, with a screen beneath the sheath	-
КАЭРВСБПу	КЭРВСБПу	EPR insulation, with reinforced polyethylene sheath, galvanized steel tape armour	-
КАЭРВАБПу	КЭРВАБПу	EPR insulation, with reinforced polyethylene sheath, aluminium tape armour	-
КАЭРВСКПу	КЭРВСКПу	EPR insulation, with reinforced polyethylene sheath, galvanized steel wire armour	-
КАЭРВАКПу	КЭРВАКПу	EPR insulation, with reinforced polyethylene sheath, aluminium wire armour	-
КАЭРВСКБПу	КЭРВСКБПу	EPR insulation, with reinforced polyethylene sheath, galvanized steel wire/tape armour	-
КАЭРВАКБПу	КЭРВАКБПу	EPR insulation, with reinforced polyethylene sheath, aluminium wire/tape armour	-
КАЭРВАГПу	КЭРВАГПу	EPR insulation, with reinforced polyethylene sheath, corrugated aluminium tubing armour	-
КАЭРВВ	КЭРВВ	EPR insulation, polyvinyl chloride plastic compound sheath	О1.8.2.5.4
КАЭРВЭВ	КЭРВЭВ	EPR insulation, polyvinyl chloride plastic compound sheath, with a screen beneath the sheath	О1.8.2.5.4
КАЭРВСБВ	КЭРВСБВ	EPR insulation, polyvinyl chloride plastic compound sheath, galvanized steel tape armour	О1.8.2.5.4
КАЭРВАБВ	КЭРВАБВ	EPR insulation, polyvinyl chloride plastic compound sheath, aluminium tape armour	О1.8.2.5.4
КАЭРВСКВ	КЭРВСКВ	EPR insulation, polyvinyl chloride plastic compound sheath, galvanized steel wire armour	О1.8.2.5.4
КАЭРВАКВ	КЭРВАКВ	EPR insulation, polyvinyl chloride plastic compound sheath, aluminium wire armour	О1.8.2.5.4
КАЭРВСКБВ	КЭРВСКБВ	EPR insulation, polyvinyl chloride plastic compound sheath, galvanized steel wire/ tape armour	О1.8.2.5.4
КАЭРВАКБВ	КЭРВАКБВ	EPR insulation, polyvinyl chloride plastic compound sheath, aluminium wire/tape armour	О1.8.2.5.4
КАЭРВАГВ	КЭРВАГВ	EPR insulation, polyvinyl chloride plastic compound sheath, corrugated aluminium tubing armour	О1.8.2.5.4
КАЭРВнг(А)	КЭРВВнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath	П1б.8.2.5.4
КАЭРВЭВнг(А)	КЭРВВнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, with a screen beneath the sheath	П1б.8.2.5.4
КАЭРВСБВнг(А)	КЭРВСБВнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, with a screen beneath the sheath, galvanized steel tape armour	П1б.8.2.5.4
КАЭРВАБВнг(А)	КЭРВАБВнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, with a screen beneath the sheath, aluminium tape armour	П1б.8.2.5.4
КАЭРВСКВнг(А)	КЭРВСКВнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, with a screen beneath the sheath, galvanized steel wire armour	П1б.8.2.5.4

Power cables with high-modulus ethylene-propylene rubber insulation for 6 - 35 kV voltage

TU 27.32.14-153-05758679-2019

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH ALUMINIUM CONDUCTOR	WITH COPPER CONDUCTOR		
КАЭРВАКВнг(А)	К9РВАКВнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, aluminium wire armour	П1б.8.2.5.4
КАЭРВСКБВнг(А)	К9РВСКБВнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath , with a screen beneath the sheath, galvanized steel wire/tape armour	П1б.8.2.5.4
КАЭРВАКБВнг(А)	К9РВАКБВнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, aluminium wire/tape armour	П1б.8.2.5.4
КАЭРВАГВнг(А)	К9РВАГВнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, corrugated aluminium tubing armour	П1б.8.2.5.4
КАЭРВВМнг(А)	К9РВВМнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, frost-resistant	П1б.8.2.5.4
КАЭРВЭВМнг(А)	К9РВЭВМнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, with a screen under the sheath, frost-resistant	П1б.8.2.5.4
КАЭРВСБВМнг(А)	К9РВСБВМнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, galvanized steel tape armour, frost-resistant	П1б.8.2.5.4
КАЭРВАБВМнг(А)	К9РВАБВМнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, aluminium tape armour, frost-resistant	П1б.8.2.5.4
КАЭРВСКВМнг(А)	К9РВСКВМнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, galvanized steel wire armour, frost-resistant	П1б.8.2.5.4
КАЭРВАКВМнг(А)	К9РВАКВМнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, aluminium wire armour, frost-resistant	П1б.8.2.5.4
КАЭРВСКБВМнг(А)	К9РВСКБВМнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, galvanized steel wire/tape armour, frost-resistant	П1б.8.2.5.4
КАЭРВАКБВМнг(А)	К9РВАКБВМнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, aluminium wire/tape armour, frost-resistant	П1б.8.2.5.4
КАЭРВАГВМнг(А)	К9РВАГВМнг(А)	EPR insulation, flame-retardant polyvinyl chloride plastic compound sheath, corrugated aluminium tubing armour, frost-resistant	П1б.8.2.5.4
КАЭРВВнг(А)-LS	К9РВВнг(А)-LS	EPR insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission	П1б.8.2.2.2
КАЭРВЭВнг(А)-LS	К9РВЭВнг(А)-LS	EPR insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, with a screen beneath the sheath	П1б.8.2.2.2
КАЭРВСБВнг(А)-LS	К9РВСБВнг(А)-LS	EPR insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, galvanized steel tape armour	П1б.8.2.2.2
КАЭРВАБВнг(А)-LS	К9РВАБВнг(А)-LS	EPR insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, aluminium tape armour	П1б.8.2.2.2
КАЭРВСКВнг(А)-LS	К9РВСКВнг(А)-LS	EPR insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, galvanized steel wire armour	П1б.8.2.2.2
КАЭРВАКВнг(А)-LS	К9РВАКВнг(А)-LS	EPR insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, aluminium wire armour	П1б.8.2.2.2
КАЭРВСКБВнг(А)-LS	К9РВСКБВнг(А)-LS	EPR insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, galvanized steel wire/tape armour	П1б.8.2.2.2
КАЭРВАКБВнг(А)-LS	К9РВАКБВнг(А)-LS	EPR insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, aluminium wire/tape armour	П1б.8.2.2.2
КАЭРВАГВнг(А)-LS	К9РВАГВнг(А)-LS	EPR insulation, sheath of a low-fire-hazard polyvinyl chloride compound with low smoke and gas emission, aluminium corrugated tubing armour	П1б.8.2.2.2
КАЭРВПнг(А)-HF	К9РВПнг(А)-HF	EPR insulation, halogen-free polymer compound sheath	П1б.8.1.2.1
КАЭРВЭПнг(А)-HF	К9РВЭПнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, with a screen beneath the sheath	П1б.8.1.2.1
КАЭРВСБПнг(А)-HF	К9РВСБПнг(А)-HF	EPR insulation, halogen-free compound sheath, galvanized steel tape armour	П1б.8.1.2.1

Power cables with high-modulus ethylene-propylene rubber insulation for 6 - 35 kV voltage

TU 27.32.14-153-05758679-2019

CABLE TYPE		CABLE COMPONENTS	FIRE HAZARD CLASS
WITH ALUMINIUM CONDUCTOR	WITH COPPER CONDUCTOR		
КАЭРВАБПнг(А)-HF	К9РВАБПнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, aluminium tape armour	П1б.8.1.2.1
КАЭРВСКПнг(А)-HF	К9РВСКПнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, galvanized steel wire armour	П1б.8.1.2.1
КАЭРВАКПнг(А)-HF	К9РВАКПнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, aluminium wire armour	П1б.8.1.2.1
КАЭРВСКБПнг(А)-HF	К9РВСКБПнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, galvanized steel wire/ tape armour	П1б.8.1.2.1
КАЭРВАКБПнг(А)-HF	К9РВАКБПнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, aluminium wire/tape armour	П1б.8.1.2.1
КАЭРВАГПнг(А)-HF	К9РВАГПнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, corrugated aluminium tubing armour	П1б.8.1.2.1
КАЭРВПМнг(А)-HF	К9РВПМнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, frost-resistant	П1б.8.1.2.1
КАЭРВЭПМнг(А)-HF	К9РВЭПМнг(А)-HF	EPR insulation, halogen-free polymer compound sheath , with a screen under the sheath, frost-resistant	П1б.8.1.2.1
КАЭРВСБПМнг(А)-HF	К9РВСБПМнг(А)-HF	EPR insulation, halogen-free polymer compound sheath , galvanized steel tape armour, frost-resistant	П1б.8.1.2.1
КАЭРВАБПМнг(А)-HF	К9РВАБПМнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, aluminium tape armour, frost-resistant	П1б.8.1.2.1
КАЭРВСКПМнг(А)-HF	К9РВСКПМнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, galvanized steel wire armour, frost-resistant	П1б.8.1.2.1
КАЭРВАКПМнг(А)-HF	К9РВАКПМнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, aluminium wire armour, frost-resistant	П1б.8.1.2.1
КАЭРВСКБПМнг(А)- HF	К9РВСКБПМнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, galvanized steel wire/ tape armour, frost-resistant	П1б.8.1.2.1
КАЭРВАКБПМнг(А)- HF	К9РВАКБПМнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, aluminium wire/tape armour, frost-resistant	П1б.8.1.2.1
КАЭРВАГПМнг(А)-HF	К9РВАГПМнг(А)-HF	EPR insulation, halogen-free polymer compound sheath, corrugated aluminium tubing armour, frost-resistant	П1б.8.1.2.1

CONDUCTOR TYPE		NOMINAL CONDUCTOR CROSS-SECTION, mm²				
		CABLE RATED VOLTAGE, kV				
		6	10	15	20	30 and 35
COPPER		For single-core cables				
	Solid	16 – 50	25 – 50	–		
	Stranded	16 – 1000*	25 – 1000*	35 – 1000*	50 – 1000*	
		For three-core cables				
	Stranded round	16 – 400	16 – 400	35 – 400	50 – 400	
	Stranded sectoral	50 – 400	95 – 400	120 – 400		–
ALUMINIUM		For single-core cables				
	Solid	16 – 400		–		
	Stranded	16 – 1000*		35 – 1000*	50 – 1000*	
		For three-core cables				
	Solid round	16 – 400		–		
	Stranded round	16 – 400		35 – 400	50 – 400	
	Solid and stranded sectoral	25 – 400	95 – 400	120 – 400		–

** Current conductors with 1000 mm² nominal cross-section may be manufactured from three, four or five consolidated sectors.*

Power cables with high-modulus ethylene-propylene rubber insulation for 6 - 35 kV voltage

TU 27.32.14-153-05758679-2019

Test procedure and requirements

RATED VOLTAGE	6-35 kV
Ambient temperature during cable operation	-50°C to +50°C
Relative air humidity (at max. +35°C)	98%
Minimum laying temperature without preheating for all cable types, except for cables with a polyethylene sheath and frost-resistant cables - For cables with a polyethylene sheath - Frost-resistant cables	 -15°C -20°C -35°C
Continuous permissible operating temperature of the cable conductors	90°C
Permissible temperature of cable conductors in emergency mode, max.	130°C
Max. temperature of cable conductors during a short circuit	250°C
Minimum permissible cable bending radius during installation: - Single-core cables - Multi-core cables - When installing cables using a special template	 15 $D_н$ 12 $D_н$ 7.5 $D_н$
Maximum permissible tensile forces during cable pulling along the route must not exceed those calculated using the formula: Where F is the cable permissible tensile force, N; S is the total cross-sectional area of the cable conductors, mm²; σ is the permissible stress, equal to - 30 N/mm² - for aluminium conductors - 50 N/mm² - for copper conductors	$F = S \cdot \sigma$
Service life	30 years
Warranty period for cable operation	5 years

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

NOMINAL CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A							
	6 – 15 kV VOLTAGE				FOR 20 – 35kV 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

Power cables with high-modulus ethylene-propylene rubber insulation for 6 - 35 kV voltage

TU 27.32.14-153-05758679-2019

The permissible current loads have been calculated for the following design conditions:

- Ambient temperature: 25 °C for above-ground installation and 15 °C for underground installation,
- Installation depth: 0.7 m;
- Soil specific thermal resistance – 1.2 K*m/W.

Apply correction factors for other design ambient temperatures.

INSTALLATION CONDITIONS	CORRECTION FACTORS AT AMBIENT TEMPERATURE, °C											
	-5	0	5	10	15	20	25	30	35	40	45	50
GROUND	1.13	1.1	1.06	1.03	1.0	0.97	0.93	0.89	0.86	0.82	0.77	0.73
AIR	1.21	1.18	1.14	1.11	1.07	1.04	1.0	0.96	0.92	0.88	0.83	0.78

Permissible one-second short-circuit currents for cables must not exceed the following:

NOMINAL CONDUCTOR CROSS-SECTION, mm²	PERMISSIBLE ONE-SECOND SHORT-CIRCUIT CURRENT FOR CABLES, kA	
	COPPER CONDUCTORS	ALUMINIUM CONDUCTORS
16	2.19	1.43
25	3.51	2.32
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

Max. permissible one-second short-circuit currents in copper screens:

Nominal cross-section of copper screen, mm	16	25	35	50	70	95	120	150	185	240	0.77	0.73
One-second short-circuit current, kA, max.	3.1	4.8	6.7	9.6	13.4	18.1	22.9	28.7	35.3	45.8	0.83	0.78

Short-circuit currents are calculated at 90 °C conductor temperature before the short circuit and max. 250 °C conductor temperature during the short circuit.

If the short-circuit duration differs from 1 s, multiply the short-circuit current values specified in the tables by a correction 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

TERMINATING CABLE JOINTS FOR PB CABLE 10 kV

PKBTп-10, PKHTп-10 cable joints are designed for terminating power cables with ethylene-propylene rubber insulation rated for max. 10kV voltage and 50 Hz frequency. PKBTп-10 cable joints are used for indoor installation, and PKHTп-10 cable joints are used for outdoor installation. Designed for РвП, РвПу and similar cables

FOR SINGLE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпH-10-1x(10-25)	The MyFTA PKHTпH-10-1x(10-25)	10, 16, 25
The MyFTA PKBTпH-10-1x(25-50)	The MyFTA PKHTпH-10-1x(25-50)	25, 35, 50
The MyFTA PKBTпH-10-1x(70-120)	The MyFTA PKHTпH-10-1x(70-120)	70, 95, 120
The MyFTA PKBTпH-10-1x(150-240)	The MyFTA PKHTпH-10-1x(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпH-10-3x(10-25)	The MyFTA PKHTпH-10-3x(10-25)	10, 16, 25
The MyFTA PKBTпH-10-3x(25-50)	The MyFTA PKHTпH-10-3x(25-50)	25, 35, 50
The MyFTA PKBTпH-10-3x(70-120)	The MyFTA PKHTпH-10-3x(70-120)	70, 95, 120
The MyFTA PKBTпH-10-3x(150-240)	The MyFTA PKHTпH-10-3x(150-240)	150, 185, 240

PKBTпб-10, PKHTпб-10 cable joints are designed for terminating power cables with ethylene-propylene rubber insulation and steel tape armour, rated for max. 10kV voltage and 50 Hz frequency. PKBTпб-10 joints are used for indoor installation, and PKHTпб-10 joints are used for outdoor installation. Designed for РвБШп, АРвБШпг and similar cables.

FOR SINGLE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпHб-10-1x(10-25)	The MyFTA PKHTпHб-10-1x(10-25)	10, 16, 25
The MyFTA PKBTпHб-10-1x(25-50)	The MyFTA PKHTпHб-10-1x(25-50)	25, 35, 50
The MyFTA PKBTпHб-10-1x(70-120)	The MyFTA PKHTпHб-10-1x(70-120)	70, 95, 120
The MyFTA PKBTпHб-10-1x(150-240)	The MyFTA PKHTпHб-10-1x(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпHб-10-3x(10-25)	The MyFTA PKHTпHб-10-3x(10-25)	10, 16, 25
The MyFTA PKBTпHб-10-3x(25-50)	The MyFTA PKHTпHб-10-3x(25-50)	25, 50
The MyFTA PKBTпHб-10-3x(70-120)	The MyFTA PKHTпHб-10-3x(70-120)	70, 95, 120
The MyFTA PKBTпHб-10-3x(150-240)	The MyFTA PKHTпHб-10-3x(150-240)	150, 185, 240

PKBTпкп-10, PKHTпкп-10 cable joints are designed for terminating power cables with ethylene-propylene rubber insulation and round wire armour, rated for max. 10kV voltage and 50 Hz frequency. PKBTпкп-10 joints are used for indoor installation, and PKHTпкп-10 joints are used for outdoor installation. Designed for РвКШв, АРвКаШв and similar cables.

FOR SINGLE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпНкп-10-1x(10-25)	The MyFTA PKHTпНкп-10-1x(10-25)	10, 16, 25
The MyFTA PKBTпНкп-10-1x(25-50)	The MyFTA PKHTпНкп-10-1x(25-50)	25, 35, 50
The MyFTA PKBTпНкп-10-1x(70-120)	The MyFTA PKHTпНкп-10-1x(70-120)	70, 95, 120
The MyFTA PKBTпНкп-10-1x(150-240)	The MyFTA PKHTпНкп-10-1x(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпНкп-10-3x(10-25)	The MyFTA PKHTпНкп-10-3x(10-25)	10, 16, 25
The MyFTA PKBTпНкп-10-3x(25-50)	The MyFTA PKHTпНкп-10-3x(25-50)	25, 50
The MyFTA PKBTпНкп-10-3x(70-120)	The MyFTA PKHTпНкп-10-3x(70-120)	70, 95, 120
The MyFTA PKBTпНкп-10-3x(150-240)	The MyFTA PKHTпНкп-10-3x(150-240)	150, 185, 240

CONNECTING CABLE JOINTS FOR PB CABLE 10kV

PCTп-10 cable joints are designed for connecting power cables with ethylene-propylene rubber insulation rated for max. 10kV voltage and 50 Hz frequency. Designed for РвП, РвПу and similar cables

FOR SINGLE-CORE CABLES	FOR THREE-CORE CABLES	CONDUCTOR CROSS-SECTION
The MyFTA PCTп-10-1x(10-25)	The MyFTA PCTп-10-3x(10-25)	10, 16, 25
The MyFTA PCTп-10-1x(25-50)	The MyFTA PCTп-10-3x(25-50)	25, 35, 50
The MyFTA PCTп-10-1x(70-120)	The MyFTA PCTп-10-3x(70-120)	70, 95, 120
The MyFTA PCTп-10-1x(150-240)	The MyFTA PCTп-10-3x(150-240)	150, 185, 240

PCTпб-10 cable joints are designed for connecting power cables with ethylene-propylene rubber insulation and steel tape armour rated for max. 10kV voltage and 50 Hz frequency. Designed for РвБШп, АРвБ- Шпг and similar cables

FOR SINGLE-CORE CABLES	FOR THREE-CORE CABLES	CONDUCTOR CROSS-SECTION
The MyFTA PCTпб-10-1x(10-25)	The MyFTA PCTпб-10-3x(10-25)	10, 16, 25
The MyFTA PCTпб-10-1x(25-50)	The MyFTA PCTпб-10-3x(25-50)	25, 35, 50
The MyFTA PCTпб-10-1x(70-120)	The MyFTA PCTпб-10-3x(70-120)	70, 95, 120
The MyFTA PCTпб-10-1x(150-240)	The MyFTA PCTпб-10-3x(150-240)	150, 185, 240

PCTпкп-10 cable joints are designed for connecting power cables with ethylene-propylene rubber insulation and round wire armour rated for max. 10kV voltage and 50 Hz frequency. Designed for РвКШв, АРвКаШв and similar cables.

FOR SINGLE-CORE CABLES	FOR THREE-CORE CABLES	CONDUCTOR CROSS-SECTION
The MyFTA PCTпкп-10-1x(10-25)	The MyFTA PCTпкп-10-3x(10-25)	10, 16, 25
The MyFTA PCTпкп-10-1x(25-50)	The MyFTA PCTпкп-10-3x(25-50)	25, 35, 50
The MyFTA PCTпкп-10-1x(70-120)	The MyFTA PCTпкп-10-3x(70-120)	70, 95, 120
The MyFTA PCTпкп-10-1x(150-240)	The MyFTA PCTпкп-10-3x(150-240)	150, 185, 240

These joints are also available in the following versions: нг, нгLS, нгHF and нгFRLS.
For example, The MyFTA PKBTпНкп(нгLS)-10-3x(25-50) or The MyFTA PCTпкп(нгHF)-10-1x(70-120)

TERMINATING CABLE JOINTS FOR PB CABLE 20kV

PKBTп-20, PKHTп-20 cable joints are designed for terminating power cables with ethylene-propylene rubber insulation rated for max. 20kV voltage and 50 Hz frequency. PKBTп-20 cable joints are designed for indoor installation, and the PKHTп-20 cable joints are designed for outdoor installation. Designed for РвП, РвПу and similar cables

FOR SINGLE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпH-20-1x(10-25)	The MyFTA PKHTпH-20-1x(10-25)	10, 16, 25
The MyFTA PKBTпH-20-1x(25-50)	The MyFTA PKHTпH-20-1x(25-50)	25, 35, 50
The MyFTA PKBTпH-20-1x(70-120)	The MyFTA PKHTпH-20-1x(70-120)	70, 95, 120
The MyFTA PKBTпH-20-1x(150-240)	The MyFTA PKHTпH-20-1x(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпH-20-3x(10-25)	The MyFTA PKHTпH-20-3x(10-25)	10, 16, 25
The MyFTA PKBTпH-20-3x(25-50)	The MyFTA PKHTпH-20-3x(25-50)	25, 35, 50
The MyFTA PKBTпH-20-3x(70-120)	The MyFTA PKHTпH-20-3x(70-120)	70, 95, 120
The MyFTA PKBTпH-20-3x(150-240)	The MyFTA PKHTпH-20-3x(150-240)	150, 185, 240

PKBTпб-20, PKHTпб-20 cable joints are designed for terminating power cables with ethylene-propylene rubber insulation and steel tape armour, rated for max. 20kV voltage and 50 Hz frequency. PKBTпб-20 joints are designed for indoor installation, and PKHTпб-20 joints are designed for outdoor installation. Designed for РвБШп, АРвБШпг and similar cables.

FOR SINGLE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпHб-20-1x(10-25)	The MyFTA PKHTпHб-20-1x(10-25)	10, 16, 25
The MyFTA PKBTпHб-20-1x(25-50)	The MyFTA PKHTпHб-20-1x(25-50)	25, 35, 50
The MyFTA PKBTпHб-20-1x(70-120)	The MyFTA PKHTпHб-20-1x(70-120)	70, 95, 120
The MyFTA PKBTпHб-20-1x(150-240)	The MyFTA PKHTпHб-20-1x(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпHб-20-3x(10-25)	The MyFTA PKHTпHб-20-3x(10-25)	10, 16, 25
The MyFTA PKBTпHб-20-3x(25-50)	The MyFTA PKHTпHб-20-3x(25-50)	25, 35, 50
The MyFTA PKBTпHб-20-3x(70-120)	The MyFTA PKHTпHб-20-3x(70-120)	70, 95, 120
The MyFTA PKBTпHб-20-3x(150-240)	The MyFTA PKHTпHб-20-3x(150-240)	150, 185, 240

PKBTпкп-20, PKHTпкп-20 cable joints are designed for terminating power cables with ethylene-propylene rubber insulation and round wire armour, rated for max. 20kV voltage and 50 Hz frequency. PKBTпкп-20 joints are designed for indoor installation, and PKHTпкп-20 joints are designed for outdoor installation. Designed for РвКШв, АРвКаШв and similar cables.

FOR SINGLE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпНкп-20-1x(10-25)	The MyFTA PKHTпНкп-20-1x(10-25)	10, 16, 25
The MyFTA PKBTпНкп-20-1x(25-50)	The MyFTA PKHTпНкп-20-1x(25-50)	25, 35, 50
The MyFTA PKBTпНкп-20-1x(70-120)	The MyFTA PKHTпНкп-20-1x(70-120)	70, 95, 120
The MyFTA PKBTпНкп-20-1x(150-240)	The MyFTA PKHTпНкп-20-1x(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпНкп-20-3x(10-25)	The MyFTA PKHTпНкп-20-3x(10-25)	10, 16, 25
The MyFTA PKBTпНкп-20-3x(25-50)	The MyFTA PKHTпНкп-20-3x(25-50)	25, 35, 50
The MyFTA PKBTпНкп-20-3x(70-120)	The MyFTA PKHTпНкп-20-3x(70-120)	70, 95, 120
The MyFTA PKBTпНкп-20-3x(150-240)	The MyFTA PKHTпНкп-20-3x(150-240)	150, 185, 240

CONNECTING CABLE JOINTS FOR PB CABLE 20kV

PCTп-20 cable joints are designed for connecting power cables with ethylene-propylene rubber insulation rated for max. 20kV voltage and 50 Hz frequency. Designed for РвП, РвПу and similar cables

FOR SINGLE-CORE CABLES	FOR THREE-CORE CABLES	CONDUCTOR CROSS-SECTION
The MyFTA PCTп-20-1x(10-25)	The MyFTA PCTп-20-3x(10-25)	10, 16, 25
The MyFTA PCTп-20-1x(25-50)	The MyFTA PCTп-20-3x(25-50)	25, 35, 50
The MyFTA PCTп-20-1x(70-120)	The MyFTA PCTп-20-3x(70-120)	70, 95, 120
The MyFTA PCTп-20-1x(150-240)	The MyFTA PCTп-20-3x(150-240)	150, 185, 240

PCTпб-20 joints are designed for connecting power cables with ethylene-propylene rubber insulation and steel tape armour rated for max. 20kV voltage and 50 Hz frequency. Designed for РвБШп, АРвБШпг and similar cables.

FOR SINGLE-CORE CABLES	FOR THREE-CORE CABLES	CONDUCTOR CROSS-SECTION
The MyFTA PCTпб-20-1x(10-25)	The MyFTA PCTпб-20-3x(10-25)	10, 16, 25
The MyFTA PCTпб-20-1x(25-50)	The MyFTA PCTпб-20-3x(25-50)	25, 35, 50
The MyFTA PCTпб-20-1x(70-120)	The MyFTA PCTпб-20-3x(70-120)	70, 95, 120
The MyFTA PCTпб-20-1x(150-240)	The MyFTA PCTпб-20-3x(150-240)	150, 185, 240

PCTпкп-20 joints are designed for connecting power cables with ethylene-propylene rubber insulation and round wire armour rated for max. 20kV voltage and 50 Hz frequency. Designed for РвКШв, АРвКаШв and similar cables.

FOR SINGLE-CORE CABLES	FOR THREE-CORE CABLES	CONDUCTOR CROSS-SECTION
The MyFTA PCTпкп-20-1x(10-25)	The MyFTA PCTпкп-20-3x(10-25)	10, 16, 25
The MyFTA PCTпкп-20-1x(25-50)	The MyFTA PCTпкп-20-3x(25-50)	25, 35, 50
The MyFTA PCTпкп-20-1x(70-120)	The MyFTA PCTпкп-20-3x(70-120)	70, 95, 120
The MyFTA PCTпкп-20-1x(150-240)	The MyFTA PCTпкп-20-3x(150-240)	150, 185, 240

TERMINATING CABLE JOINTS FOR PB CABLE 35kV

PKBTп-35, PKHTп-35 cable joints are designed for terminating power cables with ethylene-propylene rubber insulation rated for max. 35kV voltage and 50 Hz frequency. PKBTп-35 cable joints are designed for indoor installation, and the PKHTп-35 cable joints are designed for outdoor installation. Designed for РвП, РвПу and similar cables

FOR SINGLE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпН-35-1x(10-25)	The MyFTA PKHTпН-35-1x(10-25)	10, 16, 25
The MyFTA PKBTпН-35-1x(25-50)	The MyFTA PKHTпН-35-1x(25-50)	25, 35, 50
The MyFTA PKBTпН-35-1x(70-120)	The MyFTA PKHTпН-35-1x(70-120)	70, 95, 120
The MyFTA PKBTпН-35-1x(150-240)	The MyFTA PKHTпН-35-1x(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпН-35-3x(10-25)	The MyFTA PKHTпН-35-3x(10-25)	10, 16, 25
The MyFTA PKBTпН-35-3x(25-50)	The MyFTA PKHTпН-35-3x(25-50)	25, 35, 50
The MyFTA PKBTпН-35-3x(70-120)	The MyFTA PKHTпН-35-3x(70-120)	70, 95, 120
The MyFTA PKBTпН-35-3x(150-240)	The MyFTA PKHTпН-35-3x(150-240)	150, 185, 240

PKBTпб-35, PKHTпб-35 joints are designed for terminating power cables with ethylene-propylene rubber insulation and steel tape armour, rated for max. 35kV voltage and 50 Hz frequency. PKBTпб-35 joints are designed for indoor installation, and PKHTпб-35 joints are designed for outdoor installation. Designed for РвБШп, АРвБШпг and similar cables.

FOR SINGLE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпНб-35-1x(10-25)	The MyFTA PKHTпНб-35-1x(10-25)	10, 16, 25
The MyFTA PKBTпНб-35-1x(25-50)	The MyFTA PKHTпНб-35-1x(25-50)	25, 35, 50
The MyFTA PKBTпНб-35-1x(70-120)	The MyFTA PKHTпНб-35-1x(70-120)	70, 95, 120
The MyFTA PKBTпНб-35-1x(150-240)	The MyFTA PKHTпНб-35-1x(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпНб-35-3x(10-25)	The MyFTA PKHTпНб-35-3x(10-25)	10, 16, 25
The MyFTA PKBTпНб-35-3x(25-50)	The MyFTA PKHTпНб-35-3x(25-50)	25, 35, 50
The MyFTA PKBTпНб-35-3x(70-120)	The MyFTA PKHTпНб-35-3x(70-120)	70, 95, 120
The MyFTA PKBTпНб-35-3x(150-240)	The MyFTA PKHTпНб-35-3x(150-240)	150, 185, 240

PKBTпкп-35, PKHTпкп-35 cable joints are designed for terminating power cables with ethylene-propylene rubber insulation and round wire armour, rated for max. 35kV voltage and 50 Hz frequency. PKBTпкп-35 joints are used for indoor installation, and PKHTпкп-35 joints are used for outdoor installation. Designed for РвКШв, АРвКаШв and similar cables.

FOR SINGLE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпНкп-35-1x(10-25)	The MyFTA PKHTпНкп-35-1x(10-25)	10, 16, 25
The MyFTA PKBTпНкп-35-1x(25-50)	The MyFTA PKHTпНкп-35-1x(25-50)	25, 35, 50
The MyFTA PKBTпНкп-35-1x(70-120)	The MyFTA PKHTпНкп-35-1x(70-120)	70, 95, 120
The MyFTA PKBTпНкп-35-1x(150-240)	The MyFTA PKHTпНкп-35-1x(150-240)	150, 185, 240

FOR THREE-CORE

INDOOR	OUTDOOR	CONDUCTOR CROSS-SECTION
The MyFTA PKBTпНкп-35-3x(10-25)	The MyFTA PKHTпНкп-35-3x(10-25)	10, 16, 25
The MyFTA PKBTпНкп-35-3x(25-50)	The MyFTA PKHTпНкп-35-3x(25-50)	25, 35, 50
The MyFTA PKBTпНкп-35-3x(70-120)	The MyFTA PKHTпНкп-35-3x(70-120)	70, 95, 120
The MyFTA PKBTпНкп-35-3x(150-240)	The MyFTA PKHTпНкп-35-3x(150-240)	150, 185, 240

CONNECTING CABLE JOINTS FOR PB CABLE 35kV

PCTп-35 cable joints are designed for connecting power cables with ethylene-propylene rubber insulation rated for max. 20kV voltage and 50 Hz frequency. Designed for РвП, РвПу and similar cables

FOR SINGLE-CORE CABLES	FOR THREE-CORE CABLES	CONDUCTOR CROSS-SECTION
The MyFTA PCTп-35-1x(10-25)	The MyFTA PCTп-35-3x(10-25)	10, 16, 25
The MyFTA PCTп-35-1x(25-50)	The MyFTA PCTп-35-3x(25-50)	25, 35, 50
The MyFTA PCTп-35-1x(70-120)	The MyFTA PCTп-35-3x(70-120)	70, 95, 120
The MyFTA PCTп-35-1x(150-240)	The MyFTA PCTп-35-3x(150-240)	150, 185, 240

PCTпб joints are designed for connecting power cables with ethylene-propylene rubber insulation and steel tape armour rated for max. 35kV voltage and 50 Hz frequency. Designed for РвБШп, АРвБШпг and similar cables.

FOR SINGLE-CORE CABLES	FOR THREE-CORE CABLES	CONDUCTOR CROSS-SECTION
The MyFTA PCTпб-35-1x(10-25)	The MyFTA PCTпб-35-3x(10-25)	10, 16, 25
The MyFTA PCTпб-35-1x(25-50)	The MyFTA PCTпб-35-3x(25-50)	25, 35, 50
The MyFTA PCTпб-35-1x(70-120)	The MyFTA PCTпб-35-3x(70-120)	70, 95, 120
The MyFTA PCTпб-35-1x(150-240)	The MyFTA PCTпб-35-3x(150-240)	150, 185, 240

PCTпкп-35 joints are designed for connecting power cables with ethylene-propylene rubber insulation and round wire armour rated for max. 35kV voltage and 50 Hz frequency. Designed for РвКШв, АРвКаШв and similar cables.

FOR SINGLE-CORE CABLES	FOR THREE-CORE CABLES	CONDUCTOR CROSS-SECTION
The MyFTA PCTпкп-35-1x(10-25)	The MyFTA PCTпкп-35-3x(10-25)	10, 16, 25
The MyFTA PCTпкп-35-1x(25-50)	The MyFTA PCTпкп-35-3x(25-50)	25, 50
The MyFTA PCTпкп-35-1x(70-120)	The MyFTA PCTпкп-35-3x(70-120)	70, 95, 120
The MyFTA PCTпкп-35-1x(150-240)	The MyFTA PCTпкп-35-3x(150-240)	150, 185, 240

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