Zavod
Moskabel

CABLES AND WIRES

MADE WITH INNOVATIVE 8176 SERIES ALUMINUM ALLOY

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DESCRIPTION OF CABLES OF 8176 SERIES ALUMINUM ALLOY

Flexible power cable with aluminum alloy conductors, thermoplastic elastomer (TPE) insulated, oil-, gas-, cold-, and wear-resistant thermoplastic elastomer (TPE) sheathed, rated for 0.38 kV or 0.66 kV AC nominal voltage.

Designed for operation on land, rivers, and lakes in macroclimatic regions with temperate and cold (ХЛ design) climates, outdoors and indoors. Resistant to solar radiation.

- Outdoors, including land, rivers, and lakes;
- Indoors, in ducts, and tunnels;
- In corrosive environments.

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To reduce procurement costs for cable and wire products, as well as to prevent the theft of copper conductor cables, we invite you to consider implementing our innovative development: flexible cables with aluminum alloy conductors. Currently, mass production of АсКГ type cables (analogues of КГ, КГ-ХЛ, and КГН cables) has been established. This cable products are patented, certified, have passed all necessary testing, and are already in demand in many industries. The products are successfully operated by the largest oil-producing and service companies.

ADDITIONAL ADVANTAGES

compared to copper conductor cables

COST REDUCTION
up to 30–50%

CABLE WEIGHT REDUCTION
by 15% to 30%

REDUCED RISK OF THEFT
of this product

Flexible power cables TU 3544-115-05758679-2014

Flexible power cables for non-stationary installation, designed for connecting mobile machinery, mechanisms, and equipment to electrical networks rated for 380 V and 660 V AC nominal voltage at frequencies up to 400 Hz, or 750 V and 1000 V DC nominal voltage respectively.

Cable brands, component names, and fire safety classes in accordance with GOST 31565 are listed in Table 1.

TABLE 1

CABLE TYPE	CABLE COMPONENTS	FIRE HAZARD CLASS
АсКГ	Multi-wire aluminum alloy conductor cable, thermoplastic elastomer (TPE) insulated and sheathed	О2.8.2.5.4
АсКГ-ХЛ	The same, in cold-resistant design	О2.8.2.5.4

The number of cores in the cable and the nominal cross-section of the main cores shall comply with the values specified in Table 2.

TABLE 2

CROSS SECTION, mm^2	NUMBER OF CORES	
	MAIN	NEUTRAL OR EARTH
2.5 – 400	1	-
0.75 – 240	2, 3, 4, 5	-
	2, 3, 4	1

One or more auxiliary cores are permitted in the wire design.
The cross-section of auxiliary cores shall be specified upon order.

Depending on the nominal cross-section of the main cores, the nominal cross-sections of the neutral and earth cores shall comply with the values specified in Table 3.

TABLE 3

NOMINAL CORE CROSS-SECTION, mm^2		
MAIN	EARTH	NEUTRAL
0.75	0.75	0.75
1.0	1.0	1.0
1.5	1.5	1.5
2.5	1.5	1.5
4	2.5	2.5
6	4	4
10	6	6
16	6	10
25	10	16
35	10	16
50	16	25
70	25	35
95	35	50
120	35	70
150	50	70
185	70	95
240	95	120
300	-	-
400	-	-

Note: *The presence of an earth, neutral, or auxiliary cores shall be separately specified by the customer upon ordering for delivery.*
Upon the customer's request, other cross-sections of earth and neutral cores not specified in Table 3 are permitted.

Conductors of АсКГ and АсКГ-ХЛ cables made of aluminum alloy wire shall comply with the data specified in Table 4.

TABLE 4

NOMINAL CORE CROSS-SECTION, mm^2	CONDUCTOR FLEXIBILITY CLASS	WIRE DIAMETER, mm, max	DC ELECTRICAL RESISTANCE OF 1 km CONDUCTOR at 20°C, Ohm, max
0.75	5	0.32	39.80
1.0	5	0.32	30.62
1.5	5	0.32	19.90
2.5	5	0.32	12.40
4	5	0.32	7.41
6	5	0.42	5.11
10	5	0.42	3.08
16	5	0.42	1.91
25	5	0.42	1.20
35	5	0.42	0.868
50	5	0.42	0.641
70	5	0.52	0.443
95	5	0.52	0.320
120	5	0.52	0.253
150	5	0.52	0.206
185	5	0.52	0.164
240	5	0.52	0.125
300	5	0.52	0.100
400	5	0.52	0.0778

Mechanical resistance requirements

Multi-core cables with a nominal main core cross-section of 6 mm² and above, and single-core cables shall be resistant to multiple bending at an angle of ± ϖ/2 rad.

The nominal roller diameter and the number of bending cycles shall comply with the values specified in Table 5.

TABLE 5

CABLE OUTER DIAMETER, mm	NOMINAL ROLLER DIAMETER, mm	NUMBER OF BENDING CYCLES, min
Up to 10	100	9,000
From 10 to 20	200	
From 20 to 40		6,000
From 40 to 50	400	4,000
From 50 to 60		3,500
From 60	600	3,000

Cables with a nominal main core cross-section up to and including 4 mm² and with two or more cores shall be resistant to multiple flexing over a system of pulleys under electrical load and withstand not less than 30,000 flexing cycles.

The nominal pulley diameter and the load creating the cable tensile force shall comply with the values specified in Table 6.

TABLE 6

NOMINAL CROSS-SECTION OF MAIN CORES, mm²	NOMINAL ROLLER DIAMETER, mm	LOAD CREATING THE CABLE TENSILE FORCE, N, for cables
		АсКГ, АсКГ-ХЛ
0.75	80	6.1
1.0 – 1.5*	120	
2.5		9.5
4	160	15.8

Operating instructions

The cables are designed for operation at an ambient temperature from minus 40°C to plus 50°C for cables in УХЛ and Т climatic designs, and from minus 60°C to plus 50°C for cables in ХЛ climatic design.

The bending radius of the cables during installation and operation shall be not less than 8D, where D is the maximum overall cable diameter, in millimeters.

Tensile forces on the cable shall not exceed 9.8 N (1 kgf) per 1 mm^2 of the total cross-section of all cores for cables with aluminum alloy conductors.

The continuous permissible heating temperature of the conductors shall not exceed +75°C.

The continuous permissible current carrying capacities of АсКГ and АсКГ-ХЛ cables rated for 0.66 kV under normal operating conditions are specified in Table 7.

Cable installation without preheating shall be performed at a temperature not lower than -15°C.

Table 7 – Continuous permissible current carrying capacities of АсКГ and АсКГ-ХЛ cables

TABLE 7

NOMINAL CROSS-SECTION OF MAIN CORES, mm²	CABLE CURRENT CARRYING CAPACITIES, A, max				
	1 MAIN CORE	2 MAIN CORES	3 MAIN CORES	4 MAIN CORES	5 MAIN CORES
0.75	-	15	13	-	-
1.0	-	18	16	14	13
1.5	-	22	19	17	16
2.5	36	30	26	24	22
4.0	48	41	35	32	30
6.0	62	52	45	41	38
10.0	87	73	64	59	55
16.0	112	94	83	76	71
25.0	148	124	110	102	95
35.0	182	153	135	126	118
50.0	231	196	171	162	151
70.0	283	243	213	199	187
95.0	348	301	265	247	230
120.0	411	352	312	292	274
150.0	477	407	363	341	318
185.0	538	460	410	386	363
240.0	637	550	519	476	449
300.0	738	-	-	-	-
400.0	899	-	-	-	-

MIN.

4

years

CABLE SERVICE LIFE SUBJECT TO COMPLIANCE WITH TRANSPORTATION, STORAGE, LAYING (INSTALLATION), AND OPERATION REQUIREMENTS

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 shall be used for both indoor and outdoor installation. Suitable for АсКГ type cables and their analogues.

FOR SINGLE-CORE

WITHOUT TERMINATION	WITH TERMINATION	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, 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	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, 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	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, 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	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, 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	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, 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

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 АсКГ type cables and their analogues.

FOR SINGLE-CORE

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

FOR MILTI-CORE

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

FOR THREE-CORE

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

FOR FOUR-CORE

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

FOR FIVE-CORE

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

These cable joins may be also made in -нг, -нгLS, -нгHF and -нгFRLS versions.

For example, MyFTA РКВНТпНб(нгLS)-1-5х(10-25) or MyFTA РСТпб(нгLS)-1-5х(10-25).

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Flame-retardant and fire-resistant aluminum alloy conductor cables, halogen-free polymer composition insulated and sheathed.
(TU 27.32.13-164-05758679-2021)

Designed for the transmission and distribution of electrical energy in stationary electrical installations at a rated AC voltage of 0.66 and 1.0 kV at a nominal frequency of up to 50 Hz.

The cables may be used in DC electrical networks at voltage values up to 2.4 times higher than the corresponding AC voltage.

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

The cables shall comply with the requirements of GOST 31996.

See Table 1 for the cable types, cable components, and fire hazard class designations as per GOST 31565.

TABLE 1

CABLE TYPE	CABLE COMPONENTS	FIRE HAZARD CLASS
АсППГнг(А)-HF	Power cable with aluminum alloy conductors, halogen-free polymer composition insulated and sheathed	П16.8.1.2.1
АсПБПнг(А)-HF	Power cable with aluminum alloy conductors, halogen-free polymer composition insulated and protective sheathed, galvanized steel tape armored	П16.8.1.2.1
АсППГнг(А)-FRHF	Power cable with aluminum alloy conductors, with a mica tape thermal barrier, halogen-free polymer composition insulated and sheathed	П16.1.1.2.1
АсПБПнг(А)-FRHF	Power cable with aluminum alloy conductors, with a mica tape thermal barrier, halogen-free polymer composition insulated and protective sheathed, galvanized steel tape armored	П16.1.1.2.1

The rated voltage, number, and nominal cross-section of the cable cores shall comply with those specified in Table 2

TABLE 2

CABLE TYPE	NUMBER OF CORES	NOMINAL CROSS-SECTION OF MAIN CORES, mm²	
		RATED VOLTAGE, kV	
		0.66	1
АсППГнг(А)-HF, АсППГнг(А)-FRHF	1	2.5 – 50*	2.5 – 1,000*
	3, 4		2.5 – 400*
	2, 5		2.5 – 240*
АсПБПнг(А)-HF, АсПБПнг(А)-FRHF	1	-	10 – 630*
	3, 4	2.5 – 50*	2.5 – 400*
	2, 5		2.5 – 240*

** For operation in DC networks only.*

Cable conductors shall comply with class 1 or 2 of GOST 22483.
The cores shall be single-wire or multi-wire in accordance with Table 3

TABLE 3

CONDUCTOR DESIGNATION	NOMINAL CORE CROSS-SECTION, mm²	
	ROUND	1
Solid	2.5 – 50	-
Stranded	25 – 1,000	25 – 400

** Value not subject to verification by direct measurement.*

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The tensile strength of single-wire aluminum alloy conductors shall be not less than 75 N/mm^2 and not more than 130 N/mm^2, and the elongation at break shall be not less than 5% and not more than 20%.

Aluminum alloy conductors shall be resistant to not less than 15 bends at an angle of 90 degrees from the initial position in both directions.

All conductors of multi-core cables must be of equal cross-section. Four-core cables with conductors of 25 mm^2 nominal cross-section or more may have one smaller conductor (neutral or earth) as per Table 4.

TABLE 4

CONDUCTOR DESIGNATION	NOMINAL CORE CROSS-SECTION, mm^2										
Main	25	35	50	70	95	120	150	185	240	300	400
Neutral or earth	16	16	25	35	50	70	70	95	120	150	185

** Value not subject to verification by direct measurement.*

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.

The maximum network voltage at which the cables are permitted to operate U_m	is equal to 1.2U
The cables may be used for operation in DC electrical networks with a voltage not exceeding	2.4U_0
Ambient temperature during cable operation:	-50 °C to +50 °C
Relative air humidity (at max. +35°C)	98%
Minimum cable laying temperature without preheating:	-15 °C
Maximum continuously permissible operating temperature of cable conductors	-70 °C
Maximum permissible heating temperature of cable conductors in overload mode	-90 °C
Maximum permissible heating temperature of cable conductors under short-circuit conditions **For cables with conductors having a cross-section of over 300 mm^2)*	160/140* °C

Maximum conductor temperature preventing the cable ignition during a short circuit	350 °C
Minimum permissible bending radius during installation: - Single-core cable - Multi-core cable Where D is the cable maximum outer diameter	 10 D 7.5 D.
Maximum permissible tensile forces when pulling cables along the route:	30 N/mm^2 of core cross-section

CABLE SERVICE LIFE

30 years

WARRANTY PERIOD OF OPERATION

5 years

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The permissible current carrying capacities of the cables are specified in Table 5

TABLE 5

NOMINAL CORE CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A					
	SINGLE-CORE				MULTI-CORE**	
	AT DIRECT CURRENT		AT ALTERNATING CURRENT*		AT ALTERNATING CURRENT	
	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND
2.5	30	32	22	30	21	28
4	40	41	30	39	29	37
6	51	52	37	48	37	44
10	69	68	50	63	50	59
16	93	83	68	82	67	77
25	117	159	92	106	87	102
35	143	192	113	127	106	123
50	176	229	139	150	126	143
70	223	282	176	184	161	178
95	275	339	217	221	197	214
120	320	388	253	252	229	244
150	366	434	290	283	261	274
185	425	494	336	321	302	312
240	508	576	401	374	359	363
300	589	654	464	423	424	417
400	693	753	544	485	501	482
500	819	870	636	556	-	
625/630	971	1,007	744	633		
800	1,146	1,162	858	713		
1,000	1334	1,327	972	793		

* 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 current carrying capacities are given for an ambient temperature of plus 25°C for installation in air. For other design ambient temperature values, correction factors shall be applied.

TABLE 6

CONDITIONAL AMBIENT TEMPERATURE, °C	RATED CONDUCTOR TEMPERATURE, °C	CURRENT CORRECTION FACTORS AT DESIGN AMBIENT TEMPERATURE, °C											
		minus 5 and below	0	5	10	15	20	25	30	35	40	45	50
25	70	1.29	1.24	1.20	1.15	1.11	1.05	1.00	0.94	0.88	0.81	0.74	0.67

The permissible one-second short-circuit currents of the cables are specified in Table 7. For short-circuit durations other than 1 s, the short-circuit current values specified in the table shall be multiplied by a factor calculated by the formula:

$$k = \frac{1}{\sqrt{T}}$$

Where T is the short-circuit duration, s.

Permissible short-circuit currents for cables

TABLE 7

NOMINAL CORE CROSS-SECTION, mm^2	PERMISSIBLE ONE-SECOND SHORT-CIRCUIT CURRENTS FOR CABLES, kA
1.5	-
2.5	0.18
4	0.29
6	0.42
10	0.70
16	1.13
25	1.81
35	2.50
50	3.38
70	4.95
95	6.86
120	8.66
150	10.64
185	13.37
240	17.54
300	21.90
400	26.00
500	32.50
625/630	40.95
800	52.00
1,000	65.00

The maximum short-circuit duration must not exceed 5 s.

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TERMINAL

PKBHTп joints are designed for terminating unarmored ethylene-propylene rubber insulated power cables rated for voltages up to 1 kV at a frequency of 50 Hz. The joints shall be used for both indoor and outdoor installation. Suitable for АсППГ type cables and their analogues.

FOR SINGLE-CORE

WITHOUT TERMINATION	WITH TERMINATION	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, 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	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, 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	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, 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	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, 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	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, 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

CONNECTING

PCTп joints are designed for connecting unarmored ethylene-propylene rubber insulated power cables rated for voltages up to 1 kV at a frequency of 50 Hz. Suitable for АсППГ type cables and their analogues.

FOR SINGLE-CORE

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

FOR MILTI-CORE

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

FOR THREE-CORE

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

FOR FOUR-CORE

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

FOR FIVE-CORE

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

These cable joins may be also made in -нг, -нгLS, -нгHF and -нгFRLS versions.

For example, MyFTA РКВНТпН(нгLS)-1-5х(10-25) or MyFTA РСТп(нгLS)-1-5х(10-25)

TERMINAL

PKBHTп joints are designed for terminating galvanized steel tape armored, ethylene-propylene rubber insulated power cables rated for voltages up to 1 kV at a frequency of 50 Hz. The joints shall be used for both indoor and outdoor installation. Suitable for АсПБП type cables and their analogues.

FOR SINGLE-CORE

WITHOUT TERMINATION	WITH TERMINATION	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, 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	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, 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	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, 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	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, 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	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, 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

CONNECTING

PCTп joints are designed for connecting galvanized steel tape armored, ethylene-propylene rubber insulated power cables rated for voltages up to 1 kV at a frequency of 50 Hz. Suitable for АсПБП type cables and their analogues.

FOR SINGLE-CORE

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

FOR MILTI-CORE

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

These cable joins may be also made in -нг, -нгLS, -нгHF and -нгFRLS versions.

For example, MyFTA РКВНТпНб(нгHF)-1-5х(10-25) or MyFTA РСТпб(нгFRLS)-1-5х(10-25)

Zavod Moskabel

Flame-retardant and fire-resistant power cables rated for 0.66 and 1 kV.
(TU 27.32.13-121-05758679-2017)

Designed for the transmission and distribution of electrical energy in stationary electrical installations at a rated AC voltage of 0.66 and 1.0 kV at a nominal frequency of up to 50 Hz.

The cables may be used in DC electrical networks at voltage values up to 2.4 times higher than the corresponding AC voltage.

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

The cables shall comply with the requirements of GOST 31996.

See Table 1 for the cable types, cable design elements, and fire hazard classes as per GOST 31565.

Fire safety class: П1б.1.2.2.2

Types, main parameters, and dimensions

Cable types and component names are specified in Table 1.

TABLE 1

ALUMINUM ALLOY CONDUCTOR CABLE TYPE DESIGNATION	CABLE COMPONENTS
АсВВГнг(А)-LS	Power cable with low smoke, flame-retardant polyvinyl chloride plastic compound insulated and sheathed
АсВВГЭнг (А)-LS	The same, with a common copper tape or foil shield under the sheath

The rated voltage, number, and nominal cross-section of the cable cores shall comply with those specified in Table 2

TABLE 2

CABLE TYPE	NUMBER OF CORES	NOMINAL CROSS-SECTION OF MAIN CORES, mm^2	
		RATED VOLTAGE, kV	
		0.66	1
АсВВГнг(А)-LS АсВВГЭнг(А)-LS	1, 2, 3, 4, 5	2.5 – 50*	2.5 – 240

The design values of the mass per 1 km of cable and the overall cable diameter shall be specified in the technological documentation of the manufacturer.

Zavod Moskabel

Design requirements

Cable conductors shall comply with class 1 or 2 (for power cables) of GOST 22483.

Power cable cores shall be single-wire or multi-wire in accordance with Table 3

TABLE 3

CONDUCTOR DESIGNATION	NOMINAL CORE CROSS-SECTION, mm²	
	ROUND	SECTOR
Solid	2.5 – 50	-
Stranded	25 – 240	70 – 240

Sector-shaped conductors of five-core cables shall be stranded.

Conductors of two-core cables shall be round or segment-shaped.

The tensile strength at maximum load of single-wire aluminum alloy conductors and wire for stranding multi-wire conductors shall be not less than 75 MPa and not more than 130 MPa, and the elongation at break shall be not less than 5% and not more than 20%.

Aluminum alloy conductors shall be resistant to not less than 15 bends at an angle of 90 degrees from the initial position in both directions.

Multi-core power cables shall have all cores of equal cross-section. Four-core cables with conductors of 25 mm² nominal cross-section or more may have one smaller conductor (neutral or earth) as per Table 4.

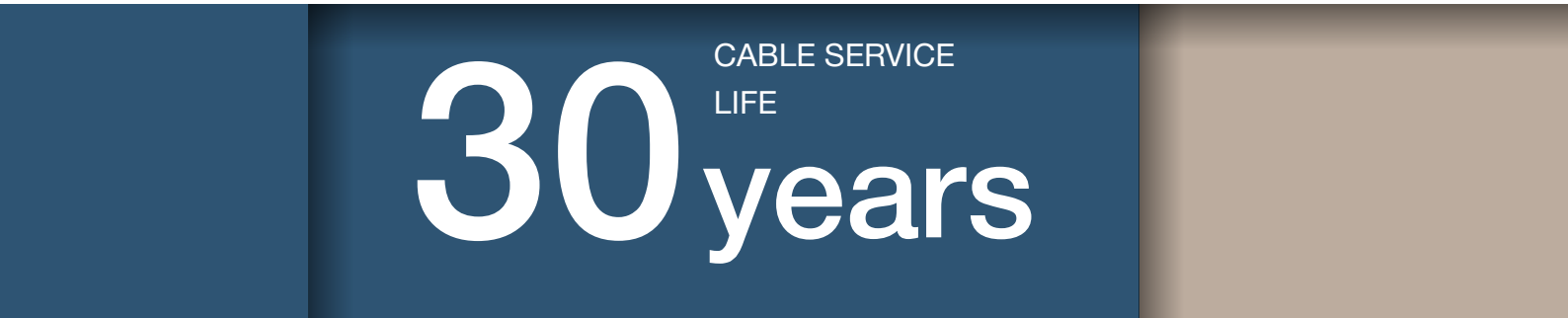
TABLE 4

CONDUCTOR DESIGNATION	NOMINAL CORE CROSS-SECTION, mm²								
MAIN	25	35	50	70	95	120	150	185	240
NEUTRAL OR EARTH	16	16	25	35	50	70	70	95	120

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.

The maximum network voltage at which the cables are permitted to operate U_m	is equal to 1.2U
The cables may be used for operation in DC electrical networks with a voltage not exceeding	$2.4U_0$
Ambient temperature during operation of cables in УХЛ and Т designs	-50 °C to +50 °C
Ambient temperature during operation of cables in ХЛ design	-60 °C to +50 °C
Relative air humidity (at max. +35°C)	98%
Minimum cable laying temperature without preheating:	-15 °C
Minimum cable installation temperature in ХЛ design without preheating at operational bending temperatures	-30 °C
Maximum continuously permissible operating temperature of cable conductors	-70 °C
Maximum permissible heating temperature of cable conductors in overload mode	90 °C
Maximum permissible heating temperature of cable conductors under short-circuit conditions *(*For cables with conductors having a cross-section of over 300 mm²)*	160/140* °C
Maximum conductor temperature preventing the cable ignition during a short circuit	350 °C
Minimum permissible bending radius during installation: - Single-core cable - Multi-core cable Where D is the cable maximum outer diameter	 10 D 7.5 D.
Maximum permissible tensile forces when pulling cables along the route:	30 N/mm² of core cross-section



5 WARRANTY PERIOD OF OPERATION years

The permissible current carrying capacities of the cables are specified in Table 5

TABLE 5

NOMINAL CORE CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A					
	SINGLE-CORE				MULTI-CORE**	
	AT DIRECT CURRENT		AT ALTERNATING CURRENT*		AT ALTERNATING CURRENT	
	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND
2.5	30	32	22	30	21	28
4	40	41	30	39	29	37
6	51	52	37	48	37	44
10	69	68	50	63	50	59
16	93	83	68	82	67	77
25	117	159	92	106	87	102
35	143	192	113	127	106	123
50	176	229	139	150	126	143
70	223	282	176	184	161	178
95	275	339	217	221	197	214
120	320	388	253	252	229	244
150	366	434	290	283	261	274
185	425	494	336	321	302	312
240	508	576	401	374	359	363
300	589	654	464	423	424	417
400	693	753	544	485	501	482
500	819	870	636	556		
625/630	971	1,007	744	633		
800	1,146	1,162	858	713		
1,000	1334	1,327	972	793		

* 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 current carrying capacities are given for an ambient temperature of plus 25°C for installation in air. For other design ambient temperature values, correction factors shall be applied.

TABLE 6

CONDITIONAL AMBIENT TEMPERATURE, °C	RATED CONDUCTOR TEMPERATURE, °C	CURRENT CORRECTION FACTORS AT DESIGN AMBIENT TEMPERATURE, °C											
		minus 5 and below	0	5	10	15	20	25	30	35	40	45	50
25	70	1.29	1.24	1.20	1.15	1.11	1.05	1.00	0.94	0.88	0.81	0.74	0.67

The permissible one-second short-circuit currents of the cables are specified in Table 7. For short-circuit durations other than 1 s, the short-circuit current values specified in the table shall be multiplied by a factor calculated by the formula:

$$k = \frac{1}{\sqrt{T}}$$

Where T is the short-circuit duration, s.
Permissible short-circuit currents for cables

Permissible short-circuit currents for cables

TABLE 7

NOMINAL CORE CROSS-SECTION, mm^2	PERMISSIBLE ONE-SECOND SHORT-CIRCUIT CURRENTS FOR CABLES, kA
1.5	-
2.5	0.18
4	0.29
6	0.42
10	0.70
16	1.13
25	1.81
35	2.50
50	3.38
70	4.95
95	6.86
120	8.66
150	10.64
185	13.37
240	17.54
300	21.90
400	26.00
500	32.50
625/630	40.95
800	52.00
1,000	65.00

The maximum short-circuit duration must not exceed 5 s.

Zavod Moskabel

TERMINAL

PKBHTп joints are designed for terminating ethylene-propylene rubber insulated power cables with a common tape or foil shield, rated for voltages up to 1 kV at a frequency of 50 Hz. The joints shall be used for both indoor and outdoor installation. Suitable for АсВВГЭнг (A)-LS type cables and their analogues.

FOR SINGLE-CORE

WITHOUT TERMINATION	WITH TERMINATION	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, 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	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, 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	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, 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	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, 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	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, 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

CONNECTING

PCTп joints are designed for connecting ethylene-propylene rubber insulated power cables with a common tape or foil shield, rated for voltages up to 1 kV at a frequency of 50 Hz. Suitable for АсВВГЭнг (А)-LS type cables and their analogues.

FOR SINGLE-CORE

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

FOR MILTI-CORE

WITHOUT END SLEEVES	WITH END SLEEVES	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, 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	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, 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	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, 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	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, 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

These cable joins may be also made in -нг, -нгLS, -нгHF and -нгFRLS versions.

For example, MyFTA РКВНТпНб(нгLS)-1-5х(10-25) or MyFTA РСТпб(нгLS)-1-5х(10-25).

Zavod Moskabel

Power cables with aluminum alloy conductors.

(TU 27.32.13-165-05758679-2021)

Designed for the transmission and distribution of electrical energy in stationary electrical installations at a rated AC voltage of 0.66 and 1.0 kV at a nominal frequency of up to 50 Hz.

УХЛ and ХЛ climatic designs, placement categories 1 and 5 in accordance with GOST 15150.

The cables shall comply with the requirements of GOST 31996.

See Table 1 for the cable types, cable design elements, and fire hazard classes as per GOST 31565.

TABLE 1 OKPD2 Code – 27.32.13.112.

CABLE TYPE	CABLE COMPONENTS	FIRE HAZARD CLASS
АсВВГ	Aluminum alloy conductor, polyvinyl chloride plastic compound insulated and sheathed	О1.8.2.5.4
АсВВГнг(А)	Aluminum alloy conductor, polyvinyl chloride plastic compound insulated, flame-retardant polyvinyl chloride plastic compound sheathed	П16.8.2.5.4
АсВБШв	Aluminum alloy conductor, polyvinyl chloride plastic compound insulated and protective sheathed, galvanized steel tape armored	О1.8.2.5.4
АсВКШв	The same, galvanized round steel wire armored	О1.8.2.5.4
АсВБШвнг(А)	Aluminum alloy conductor, polyvinyl chloride plastic compound insulated, flame-retardant polyvinyl chloride plastic compound protective sheathed, galvanized steel tape armored	П16.8.2.5.4
АсВКШвнг(А)	The same, galvanized round steel wire armored	П16.8.2.5.4

The rated voltage, number, and nominal cross-section of the cable cores shall comply with those specified in Table 2.

TABLE 2

CABLE TYPE	NUMBER OF CORES	NOMINAL CROSS-SECTION OF MAIN CORES, mm²	
		RATED VOLTAGE, kV	
		0.66	1
АсВВГ, АсВВГнг(А)	1	2.5 – 50	2.5 – 1000
	3, 4		2.5 – 400
	2, 5		2.5 – 240
АсВБШв, АсВБШвнг(А), АсВКШв, АсВКШвнг(А)	1	2.5 – 50	16 – 630
	3, 4		2.5 – 400
	2, 5		2.5 – 240

Power cable cores shall be single-wire or multi-wire in accordance with Table 3

TABLE 3

CONDUCTOR DESIGNATION	NOMINAL CORE CROSS-SECTION, mm²	
	ROUND	SECTOR (SEGMENT-SHAPED)
Solid	2.5 – 50	-
Stranded	25 – 1,000	70 – 400

** Value not subject to verification by direct measurement.*

The tensile strength of single-wire aluminum alloy conductors shall be not less than 75 N/mm^2 and not more than 130 N/mm^2, and the elongation at break shall be not less than 5% and not more than 20%.

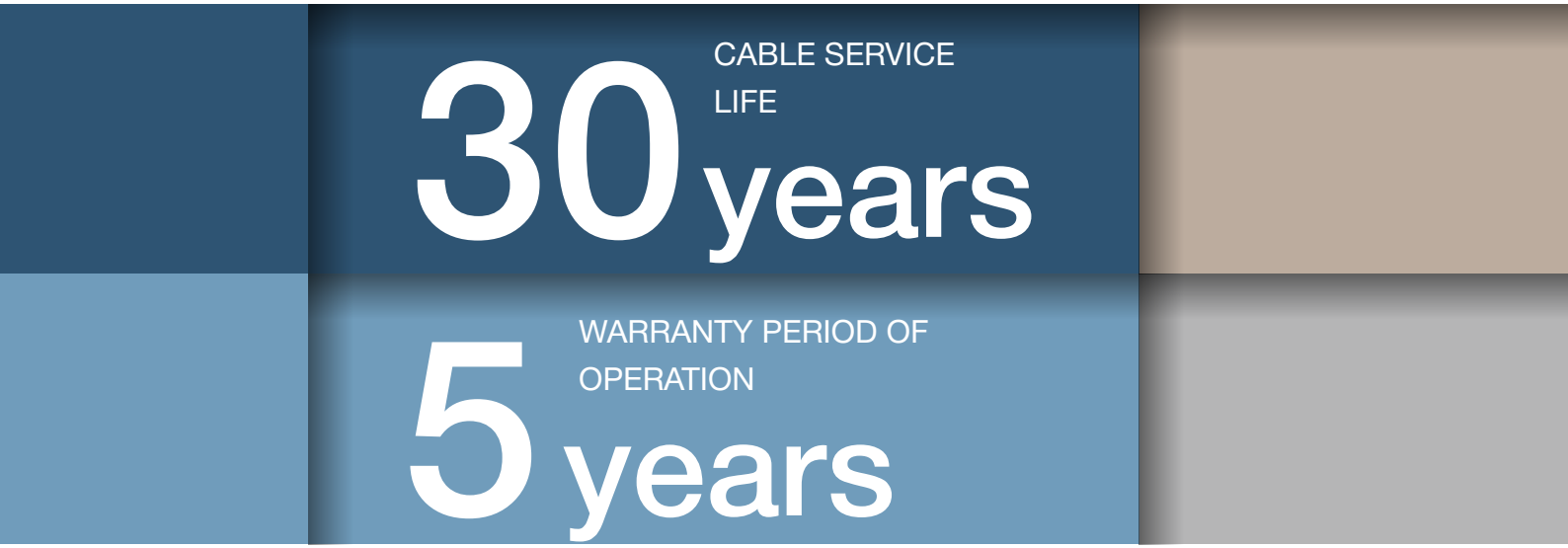
Aluminum alloy conductors shall be resistant to not less than 15 bends at an angle of 90 degrees from the initial position in both directions.

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.

The maximum network voltage at which the cables are permitted to operate U_m	is equal to 1.2U
The cables may be used for operation in DC electrical networks with a voltage not exceeding	$2.4U_0$
Single-core armored cables are designed for operation in DC networks.	
Ambient temperature during operation for cables in УХЛ design	-50 °C to +50 °C
Ambient temperature during operation for cables in ХЛ design	-60 °C to +50 °C
Relative air humidity (at max. +35°C)	98%
Minimum cable installation temperature without preheating for cables in УХЛ design	-15 °C
Minimum cable installation temperature without preheating for cables in ХЛ design	-20 °C
Maximum continuously permissible operating temperature of cable conductors	-70 °C
Maximum permissible heating temperature of cable conductors in overload mode	90 °C
Maximum permissible heating temperature of cable conductors under short-circuit conditions *(*For cables with conductors having a cross-section of over 300 mm^2)*	160/140* °C
Maximum conductor temperature preventing the cable ignition during a short circuit	350 °C
Minimum permissible bending radius during installation: - Single-core cable - Multi-core cable Where D is the cable maximum outer diameter	 10 D 7.5 D.
Maximum permissible tensile forces when pulling cables along the route:	30 N/mm^2 of core cross-section

Zavod Moskabel



The permissible current carrying capacities of the cables are specified in Table 5

TABLE 5

NOMINAL CORE CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A					
	SINGLE-CORE				MULTI-CORE**	
	AT DIRECT CURRENT		AT ALTERNATING CURRENT*		AT ALTERNATING CURRENT	
	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND
2.5	30	32	22	30	21	28
4	40	41	30	39	29	37
6	51	52	37	48	37	44
10	69	68	50	63	50	59
16	93	83	68	82	67	77
25	117	159	92	106	87	102
35	143	192	113	127	106	123
50	176	229	139	150	126	143
70	223	282	176	184	161	178
95	275	339	217	221	197	214
120	320	388	253	252	229	244
150	366	434	290	283	261	274
185	425	494	336	321	302	312
240	508	576	401	374	359	363
300	589	654	464	423	424	417

TABLE 5

NOMINAL CORE CROSS-SECTION, mm²	PERMISSIBLE CURRENT LOADS FOR CABLES, A					
	SINGLE-CORE				MULTI-CORE**	
	AT DIRECT CURRENT		AT ALTERNATING CURRENT*		AT ALTERNATING CURRENT	
	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND	ABOVE GROUND	UNDER GROUND
400	693	753	544	485	501	482
500	819	870	636	556	-	
625/630	971	1,007	744	633		
800	1,146	1,162	858	713		
1,000	1334	1,327	972	793		

* 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: for cables laid above ground / for cables laid underground	25°C / -15°C
Depth of cable burial	0.7 m
Soil specific thermal resistance	1.2 K·m/W

The permissible one-second short-circuit currents of the cables are specified in Table 6. For short-circuit durations other than 1 s, the short-circuit current values specified in the table 6 shall be multiplied by a factor calculated by the formula:

$$k = \frac{1}{\sqrt{T}}$$

Where T is the short-circuit duration, s.

Permissible short-circuit currents for cables

Permissible short-circuit currents for cables

TABLE 6

NOMINAL CORE CROSS-SECTION, mm^2	PERMISSIBLE ONE-SECOND SHORT-CIRCUIT CURRENTS FOR CABLES, kA
1.5	-
2.5	0.18
4	0.29
6	0.42
10	0.70
16	1.13
25	1.81
35	2.50
50	3.38
70	4.95
95	6.86
120	8.66
150	10.64
185	13.37
240	17.54
300	21.90
400	26.00
500	32.50
625/630	40.95
800	52.00
1,000	65.00

The maximum short-circuit duration must not exceed 5 s.

TERMINAL

ПКВНТп(нгLS) joints are designed for terminating unarmored polyvinyl chloride plastic compound insulated power cables rated for voltages up to 1 kV at a frequency of 50 Hz. The joints shall be used for both indoor and outdoor installation. Suitable for АсВВГ, АсВВГнг(А) type cables and their analogues.

FOR SINGLE-CORE

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

FOR MILTI-CORE

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

FOR THREE-CORE

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

FOR FOUR-CORE

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

FOR FIVE-CORE

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

CONNECTING

ПСТп(нгLS) joints are designed for connecting unarmored polyvinyl chloride plastic compound insulated power cables rated for voltages up to 1 kV at a frequency of 50 Hz. Suitable for АсВВГ, АсВВГнг(А) type cables and their analogues.

FOR SINGLE-CORE

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

FOR MILTI-CORE

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

FOR THREE-CORE

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

FOR FOUR-CORE

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

FOR FIVE-CORE

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

TERMINAL

ПКВНТпб(нгLS) joints are designed for terminating galvanized steel tape armored, polyvinyl chloride plastic compound insulated power cables rated for voltages up to 1 kV at a frequency of 50 Hz. The joints shall be used for both indoor and outdoor installation. Suitable for АсВБШв, АсВБШвнг(А) type cables and their analogues.

SINGLE-CORE

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

FOR MILTI-CORE

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

FOR THREE-CORE

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

FOR FOUR-CORE

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

FOR FIVE-CORE

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

CONNECTING

ПСТп(нгLS) joints are designed for connecting galvanized steel tape armored, polyvinyl chloride plastic compound insulated power cables rated for voltages up to 1 kV at a frequency of 50 Hz. Suitable for АсВБШв, АсВБШвнг(А) type cables and their analogues.

FOR SINGLE-CORE

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

FOR MILTI-CORE

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

FOR THREE-CORE

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

FOR FOUR-CORE

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

FOR FIVE-CORE

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

TERMINAL

ПКВНТпкп(нгLS) joints are designed for terminating galvanized round steel wire armored, polyvinyl chloride plastic compound insulated power cables rated for voltages up to 1 kV at a frequency of 50 Hz. The joints shall be used for both indoor and outdoor installation. Suitable for АсВКШв, АсВКШвнг(А) type cables and their analogues.

FOR SINGLE-CORE

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

FOR MILTI-CORE

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

FOR THREE-CORE

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

FOR FOUR-CORE

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

FOR FIVE-CORE

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

CONNECTING

ПСТпкп(нгLS) joints are designed for connecting galvanized round steel wire armored, polyvinyl chloride plastic compound insulated power cables rated for voltages up to 1 kV at a frequency of 50 Hz. Suitable for АсВКШв, АсВКШвнг(А) type cables and their analogues.

FOR SINGLE-CORE

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

FOR MILTI-CORE

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

FOR THREE-CORE

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

FOR FOUR-CORE

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

FOR FIVE-CORE

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

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