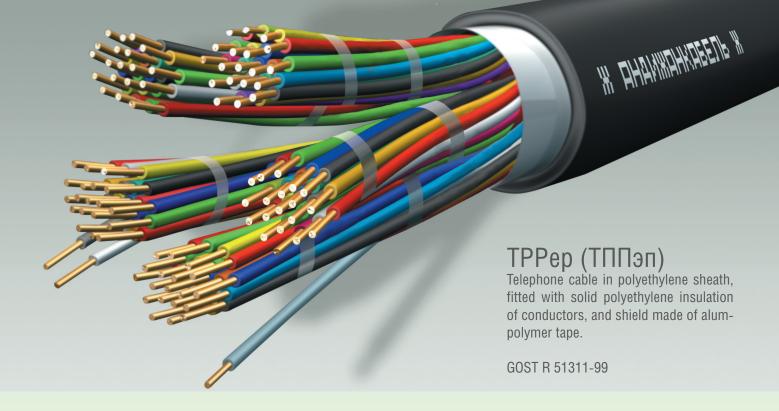
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Installation in telephone ducts, conduits and wells; installation along building walls; hanging on overhead communication lines.

CONSTRUCTION:

Conductor - Flexible copper wire

Insulation - Insulating high-pressure polyethylene (HPPe)

Wrapping - Mylar film

Shield - Alum-polyethylene tape with tinned copper wire base Sheath - Light-stabilized high-pressure polyethylene

OPERATION AND INSTALLATION CONDITIONS:

Operating temperature - from -50°C to +60°C;

Max tensile load of cable during installation - 50N/mm2 of total cross-section of conductor;

Minimum service life under normal operating conditions - 20 years;

Primary application - installation in conduits, tunnels, wells, telephone ducts, and installation on building walls or hanging on overhead communication lines;

Installation temperature - not below -15°C;

Installation bends - at least 10 sheath diameters.

ELECTRICAL CHARACTERISTICS:

Electrical resistance of conductors per 1 km length at temperature of 20°C, Ohm:

0.32 mm in diameter - 216+/-13;

0.40 mm in diameter - 139+/-9;

0.50 mm in diameter - 90+5.9/-6.0;

0.64 mm in diameter - 55+/-3:

0.70 mm in diameter - 45+/-3;

Electrical resistance of insulation per 1 km length at temperature of 20°C, MOhm:

At least - 8000;

Operating capacity, millimicrofarad per 1 km length:

45+/-5

PRIMARY MANUFACTURED ASSORTMENT

Type o	f TPPep
Diameter of conductor, mm	Number of pairs in cable
0,40	10*0 00*0 20*0 50*0 100*0 000*0
0,50	10*2, 20*2, 30*2, 50*2, 100*2, 200*2

DELIVERY FORM:

Cable is delivered in coils or wooden drums as per GOST 5151-79, in construction lengths based on parity, from 120 m to 500 m and more.



Installation in telephone ducts, conduits and wells; installation along building walls; hanging on overhead communication lines in high humidity conditions.

CONSTRUCTION:

Conductor - Flexible copper wire

Insulation - Insulating high-pressure polyethylene (HPPe)

Filler - Hydrophobinol

Wrapping - Mylar film and/or bag paper

Shield - Alum-polyethylene tape with tinned copper wire base

Sheath - Light-stabilized high-pressure polyethylene

OPERATION AND INSTALLATION CONDITIONS:

Operating temperature - from -50°C to +50°C;

Max tensile load of cable during installation - 50N/mm2 of total cross-section of conductor;

Minimum service life under normal operating conditions - 25 years;

Primary application - installation in high humidity conditions in conduits, tunnels, wells, telephone ducts and installation on building walls or hanging on overhead communication lines;

Installation temperature - not below -10°C;

Installation bends - at least 10 sheath diameters.

ELECTRICAL CHARACTERISTICS:

Electrical resistance of conductors per 1 km length at temperature of 20°C, Ohm: 0.32 mm in diameter-216+/-13;

0.40 mm in diameter - 139+/-9;

0.50 mm in diameter - 90+5.9/-6.0;

0.64 mm in diameter - 55+/-3:

0.70 mm in diameter - 45+/-3;

Electrical resistance of insulation per 1 km length at temperature of 20°C, MOhm: At least - 5000;

Operating capacity, millimicrofarad, per 1 km length:

50+/-5

PRIMARY MANUFACTURED ASSORTMENT

7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Type of TPPep3		
Diameter of conductor, mm	Number of pairs in cable	
0,40	10*0 00*0 20*0 100*0 200*0	
0,50	10*2, 20*2, 30*2, 50*2, 100*2, 200*2	

DELIVERY FORM:

Cable is delivered in coils or wooden drums as per GOST 5151-79, in construction lengths based on parity, from 120 m to 500 m and more.



Installation in soils of all categories (except for mechanized installation in rocky soils) not exposed to cryosolic deformations.

CONSTRUCTION:

Conductor - Flexible copper wire

Insulation - Insulating high-pressure polyethylene (HPPe)

Wrapping - Mylar film and/or bag paper

Shield - Alum-polyethylene tape with tinned copper wire base

Sheath - Light-stabilized high-pressure polyethylene

Armor - Two steel tapes

Cable covering - of Shp type (protection hose made of polyethylene)

Туре	e of TPPepBbShp
Diameter of conductor, mm	Number of pairs in cable
0,40	10*0 00*0 00*0 100*0 000*0
0,50	10*2, 20*2, 30*2, 50*2, 100*2, 200*2

DELIVERY FORM:

Cable is delivered in coils or wooden drums as per GOST 5151-79, in construction lengths based on parity, from 120 m to 500 m and more.



The cable Is designed for low-frequency equipment connection and installation.

CONSTRUCTION:

Conductor - Flexible copper wire Insulation - Insulating PVC compound Wrapping - Mylar film Shield - Alum-polyethylene tape Sheath - PVC compound for cable sheaths

OPERATION AND INSTALLATION CONDITIONS:

Operating temperature - from -20°C to +50°C; Minimum service life under normal operating conditions - 15 years; Installation temperature - not below -10°C; Installation bends - at least 10 sheath diameters.

ELECTRICAL CHARACTERISTICS:

Electrical resistance of conductors per 1 km length at temperature of 20°C, Ohm:

0.32 mm in diameter - 229 max;

0.40 mm in diameter - 148 max;

0.50 mm in diameter - 95 max;

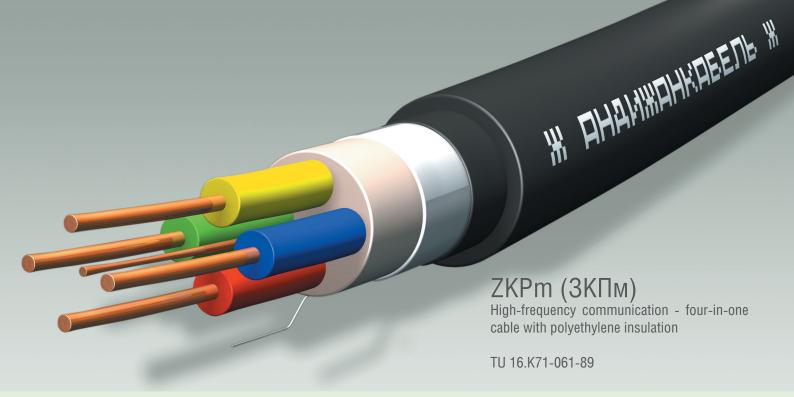
Electrical resistance of insulation per 1 km length at temperature of 20°C, MOhm - at least Operating capacity per 1 km length -100 millimicrofarad max

PRIMARY MANUFACTURED ASSORTMENT

Type of TSV	
Diameter of conductor, mm Number of pairs in cable	
0,40	5*2, 10*2, 16*2, 20*2, 30*2, 41*2, 64*2, 103*2
0,50	5*2, 10*2, 16*2, 20*2, 30*2, 41*2, 64*2, 103*2

DELIVERY FORM:

Cable is delivered in coils or wooden drums as per GOST 5151-79, in construction lengths from 200 m and more.



The cable is designed for cable lines of zonal communications of K-60 transmission systems used within frequency range of up to 250 kHz at AC voltage of remote power of up to 690V/50 Hz

CONSTRUCTION:

Conductor - Flexible copper wire

Insulation - Insulating PE of high pressure (HPPe)

Insulating filler-cord - Made of polyethylene; four insulated conductors are twisted in star-quad around filler-cord

Filler - Polyethylene with butyl rubber composite laid on star-quad

Shield - Spirally overlaid tapes of annealed copper foil with underneath tinned copper wire.

Sublayer - Bitumen

Sheath - Hose made of light-stabilized HPPe

OPERATION AND INSTALLATION CONDITIONS:

Operating temperature - from -40°C to +50°C;

Minimum service life under normal operating conditions - 20 years;

Installation - in cable conduits, pipes, blocks, along bridges and in soils with no mechanical effect and risk of damage by rodents; Installation temperature - not below -10°C;

Installation bends - at least 20 sheath diameters.

ELECTRICAL CHARACTERISTICS:

Max electrical resistance of conductors per 1 km length at temperature of 20°C, Ohm: 15.95;

Max resistance difference of conductors in working pair, Ohm/km: 0.21;

Electrical resistance of insulation per 1 km length at temperature of 20°C, MOhm: at least 30000;

Operating capacity per 1 km length, millimicrofarad: 36.9+/-8;

Near-end crosstalk attenuation, dB: at least 58.1;

Far-end protection, dB: at least 66.7.



The cable is designed for inter-station and subscribers communication with transmission systems with time division of channels and pulse-code modulation of up to 2048 Kbit/sec speed with DC voltage of remote power of up to 500 V.

KSPP-type cables are designed for installation in soils not subject to displacement, and in areas not characterized by increased risk of damage by rodents, while KSPZP-type cables are also designed for wet conditions.

CONSTRUCTION:

Conductor - Flexible copper wire of 0.9 and 1.2 mm in diameter Insulation - Composite PE of high pressure (HPPe)

Core - 4 insulated conductors twisted in star-quad, a working pair is formed by two diagonally located conductors

Filler (for KSPZP only) - Hydrophobinol

Wrapping - Extruded tube made of insulation HPPe

Shield - Alum-polyethylene tape with tinned copper wire base

Sheath - Hose made of light-stabilized HPPe

OPERATION AND INSTALLATION CONDITIONS:

Operating temperature - from -50°C to +50°C;

Installation - in soils not subject to displacement, including high humidity conditions;

Installation temperature - not below -10°C;

Installation bends - at least 15 sheath diameters;

Shrinkage of polyethylene sheath of cables - at least 250%;

Ultimate resistance of cable sheathes - at least 588 N (60 kgf);

Minimum service life under normal operating conditions - 15 years for KSPP and 20 years for KSPZP.

ELECTRICAL CHARACTERISTICS:

Max electrical resistance of conductors at temperature of 20°C, Ohm/km: 0.9 mm in diameter - 28.4;

1.2 mm in diameter - 15.8

Electrical insulation resistance of conductors at 20°C, MOhm/km - at least 15000; Electrical resistance of sheath at 20°C, MOhm/km - at least 5.0;

Max electrical resistance of shield, Ohm/km - 15;

Near-end crosstalk attenuation, dB/750m: at least 64 - at transfer rate of 1024 Kbit/sec; at least 59 - at transfer rate of 2048 Kbit/sec; Far-end protection at transfer rate of 1024 and 2048 Kbit/sec, dB - at least 45;

Cable attenuation factor, dB/km:

For 0.9 mm diameter conductors:

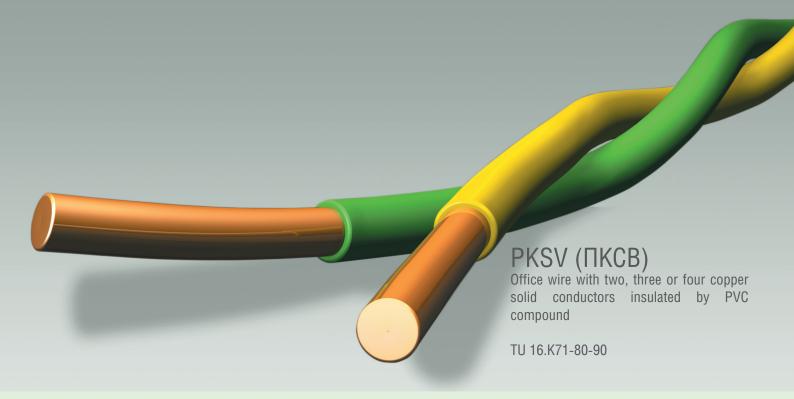
6.9 - at 512 kHz frequency;

7.5- at 1024 kHz frequency;

For 1.2 mm diameter conductors:

6.5- at 512 kHz frequency;

8.0- at 1024 kHz frequency;



Office wire is designed for non-stationary connections in main distribution frames of telephone exchanges at DC voltage of up to 120 V.

CONSTRUCTION:

Conductor - Flexible copper wire Insulation - Painted insulation PVC compound

The cable is designed as two, three or four twisted conductors made of flexible copper wire insulated by PVC compound.

OPERATION AND INSTALLATION CONDITIONS:

Operating temperature - from -10°C to +50°C;

Installation temperature - not below -5°C;

Minimum installation bends - at least 10 sheath diameters:

Ultimate resistance of insulated conductor:

At least 31.5 N (3.2 kgf) for diameter of 0.4 mm;

At least 49 N (5 kgf) for diameter of 0.5 mm;

The wire is flame-retardant.

Service life is 5 years.

ELECTRICAL CHARACTERISTICS:

Max DC resistance of conductor per 1 km length at temperature of 20°C, Ohm/km:

0.4 mm in diameter - 148.0;

1.5mm in diameter - 94.0;

Electrical insulation resistance, MOhm/km, at temperature of 20°C-at least 100;

PRIMARY MANUFACTURED ASSORTMENT

	Type of	f PKSV
Diameter of conductor, mm Number of conductors in wire		Number of conductors in wire
	0,40	2, 3, 4
	0,50	2, 3, 4

DELIVERY FORM:

Cable is delivered in coils, in lengths not shorter than construction ones.



Single pair cable for telephone communication and broadcasting systems is designed for operation at voltage of up to 380 V and frequency of up to 10 kHz at subscriber lines of telephone communication systems and wire broadcasting distribution networks.

CONSTRUCTION:

Conductor - Flexible copper wire Insulation - High pressure polyethylene (HPPe) Sheath - Light-stabilized HPPe

OPERATION AND INSTALLATION CONDITIONS:

Operating temperature - from -60°C to +50°C;

Installation - in soils, telephone ducts, conduits, along building walls; the installation on overhead line supports is allowed for areas not subject to heavy glaze and strong wind.

Installation temperature - not below -5°C;

Max draft force at installation:

245 N for diameter of 0.9 mm;

294.3 N for diameter of 1.2 mm;

Minimum installation bends - at least 10 outer dimensions of cable;

The cable is flame-retardant if single installation is provided.

Minimum service life under normal operating conditions - 10 years;

ELECTRICAL CHARACTERISTICS:

Max electric resistance of conductors per 1 km length at temperature of 20°C, Ohm;

0.9 mm in diameter - 28.4;

1.2 mm in diameter - 16.0;

Electrical insulation resistance per 1 km length at temperature of 20°C, MOhm/km - at least 10000;

Max operating capacity, millimicrofarad/km:

50.0- for diameter of 0.9 mm;

56.0- for diameter of 1.2 mm

Type of PRPPM	
Number of conductors in wire	Diameter of conductor, mm
2	0,9; 1,2

DELIVERY FORM:

Cable is delivered in coils, in lengths not shorter than construction ones.



Single pair telephone distribution wire is designed for hidden or exposed fixed installation of telephone networks along building walls and indoor installation.

CONSTRUCTION:

Conductor - Flexible copper wire

Insulation - High pressure polyethylene (HPPe)

The cable design is represented by two parallel conductors in common insulation

OPERATION AND INSTALLATION CONDITIONS:

Installation - at temperature not below -30°C Operation - at temperature from -60°C to +65°C; Minimum service life - 12 years for outdoor installation and 25 years - for indoor installation

APPLICATION:

TRV-type wires are designed for indoor installation.

CONSTRUCTION:

Conductor - Flexible copper wire

Insulation - High pressure polyethylene (HPPe)

The cable design is represented by two parallel conductors in common insulation.

OPERATION AND INSTALLATION CONDITIONS:

Installation - at temperature not below -30°C Operation - at temperature from -40°C to +65°C; Minimum service life - 12 years for outdoor installation and 25 years - for indoor installation

Type of T	RP, TRV
Number of conductors in wire	Diameter of conductor, mm
2	0.4: 0.5

DELIVERY FORM:

Cable is delivered in coils or wooden drums as per GOST 5151-79, in construction lengths from 200 m and more.



The cable is designed for field communication.

CONSTRUCTION:

Conductor - Copper wire, steel wire Insulation -polyethylene

Two insulated conductors of 0.5 mm in section are twisted in pair; twisting length is 80-100 mm.

OPERATION AND INSTALLATION CONDITIONS:

Installation - in soils, on ground, hanging on supports and local objects, as well as temporary installation through water barriers. Ground installation and extraction using field machines is allowed.

Operating temperature - from -15°C to 65°C Breaking tension of insulated conductor - at least 392N Wires operating time - 50000 hours Service life - 15 years

ELECTRICAL CHARACTERISTICS:

 $Max\ electric\ resistance\ of\ conductors\ per\ 1\ km\ length\ -\ 65.0;\ lnsulation\ resistance\ -\ at\ least\ 1000\ MOhm/km;$

Max electrical resistance of shield - 15 Ohm/km;

Max resistance difference - 3 Ohm/km;

Cable insulation withstands voltage test at 3000 V AC.

DELIVERY FORM:

Cable is delivered in coils. Its length is not shorter than 500 m for P-274 type, and not shorter than construction lengths for GSP type.



The cable is designed for installation in plastic pipelines, in ground, in aggressive environment with no mechanical impact on cable (for SBZPU - in high humidity conditions)

CONSTRUCTION:

Conductor - Flexible copper wire of 0.9 or 1.0 mm in diameter Insulation of conductors - Insulating composite PE of high pressure (HPPe) Core - based on label size of cable, twisted of 3-61 insulated solid conductors o the same number of conductor pairs Filler (for SBZPU only) - Hydrophobinol

Wrapping - Spirally or laterally overlaid Mylar film tapes.

Sheath - Thickened hose of light-stabilized HPPe.

OPERATION AND INSTALLATION CONDITIONS:

Installation - in plastic pipelines, in ground, in aggressive environment with no mechanical impact on cable

Operating temperature - from -50°C to 60°C

Installation temperature - not below -10°C

Relative elongation at insulation break, % - at least 300

Relative elongation at sheath and protection hose break, % - at least 300

Max insulation shrinkage, % - 5

The cable shall be protected against direct sunlight.

Minimum service life under normal operation conditions - at least 12 years for SBPU and at least 17 years for SBZPU.

ELECTRICAL CHARACTERISTICS:

Max electric resistance of cable conductors at 20°C, Ohm/km:

36.6 - for conductors of 0.8 mm in diameter;

28.8 - for conductors of 0.9 mm in diameter;

23.3 - for conductors of 1.0 mm in diameter;

Electrical insulation resistance of conductors, MOhm/km - at least 5000;

Test voltage between conductors during 1 minute, at current frequency of 0.05Hz, V - 2500;

Max attenuation rate of cable pair of pairwise construction at 20°C, dB/km:

1.18 - for conductors of 0.8 mm in diameter;

1.04 - for conductors of 0.9 mm in diameter;

0.94 - for conductors of 1.0 mm in diameter;

PRIMARY MANUFACTURED ASSORTMENT

Type of SB	PU, SBZPU
Diameter of conductor, mm	Number of conductors in wire
0,9	3, 4, 5, 7, 9, 12, 16, 19, 21, 24, 27, 30, 33, 37, 42, 48, 61
0,9	3*2, 4*2, 7*2, 10*2, 12*2, 14*2, 19*2, 24*2, 27*2, 30*2



SIP-2 wire is designed for transmission lines (TLs), for rated voltage of up to 0.6/1 kW inclusive, as well as for line branches of OHL in air atmosphere.

SIP-4 wire is designed for TL branches at rated voltage of up to 0.6/1 kW inclusive, to the input, for installation along walls of buildings or structures

CONSTRUCTION:

Phase conductor - Stranded circular compacted aluminum conductor

Supporting conductor (for SIP-2 only) - Stranded circular compacted conductor made of aluminum alloy Insulation of conductors - Light stabilized cross linked polyethylene.

PERFORMANCE:

Allowable heating of conductors during operation shall not exceed 90°C under normal conditions and 250°C - at short circuit.

Anowable floating of conductors during operation shall not exceed so o and from a conditions and 200 o at onort or out.		
Normal section of main conductors, sq. mm	Max allowable load current, A, for self- supporting insulated cables of SIP-2 and	Max allowable current of one-second short circuit, kA, for self-supporting insulated cables of SIP-2 and SIP-4 types
	SIP-4 types	capies of SIF-2 and SIF-4 types
16	100	1,5
25	130	2,3
35	160	3,2
50	195	4,6
70	240	6,5
95	300	8,8
120	340	10,9
150	380	13,2
185	436	16,5
240	515	22,0

It is recommended to install wire at ambient temperature not below 20°C.

Guaranteed service life - 3 years

Service life of cables - at least 40 years

PRIMARY MANUFACTURED ASSORTMENT

THINK WE WOUND TO THE PROCEST WELL		
Type of SIP-2		
Number of conductors in wire	Diameter of conductor, mm	
3 (+1)	16(25), 16(54,6), 25(35), 25(54,6), 35(50), 35(54,6), 50(50), 50(54,6), 50(70), 70(54,6), 70(70), 70(95), 95(70), 95(95), 120(95), 150(95), 185(95), 240(95)	
Type of SIP-4		
Number of conductors in wire Diameter of conductor, mm		
2,4 16, 25, 35		

DELIVERY FORM:

Cable is delivered in wooden drums as per GOST 5151-79.



Electrical power transmission and distribution in fixed plants with normal AC voltage of 0.66 and 1 kV.

CONSTRUCTION:

Conductor - Circular conductor made of flexible aluminum wire (for AVVG) and flexible copper wire (for VVG).

If section is more than 16 mm2, the cable conductor is stranded. If section is 20 mm2 or more, the cable conductor is segmental or sectorial. For cables with three, four or five conductors, the cable conductors are of the same section, or one neutral conductor of less section is used. If section of main conductors is up to 25 mm2, the cables are provided with neutral or ground conductor.

Insulation - Insulating PVC compound

Wrapping - Mylar or PVC film; manufacture of cables without wrapping is allowed if movement of insulated conductors is provided, and if the possibility of sheath separation from insulation without damage is provided. Sheath - Light-thermal resistant PVC compound.

OPERATION AND INSTALLATION CONDITIONS:

Installation - in cable conduits, tunnels, premises, along walls of buildings and structures, as well as outdoor installation at temperature not below -15°C. Ground installation is not recommended.

Operating temperature - from -50°C to 50°C

Max allowable temperature of conductors heating during operation is -70°C

Allowable heating of conductors in emergency mode is 80°C if duration does not exceed 8 hours per day and 100 hours per the whole service life

Service life under normal operation conditions - at least 30 years

ELECTRICAL CHARACTERISTICS:

Insulation resistance of conductors at temperature of 20°C, MOhm/km:

For cable designed for 0.66 and 1 kV voltage:

For section of up to 1.5 mm2 - at least 12;

For section of 2.5-4.0 mm2 - at least 10;

For section of 6.0 mm2 - at least 9;

For section of 10-240 mm2 - at least 7;

Insulation resistance at continuous allowable temperature of conductors heating, MOhm/km:

For cable designed for 0.66 and 1 kV voltage - at least 0.005;

Max operating voltage of power network, kV:

For cable designed for 0.66 kV - 0.72:

For cable designed for 1 kV - 1.2.

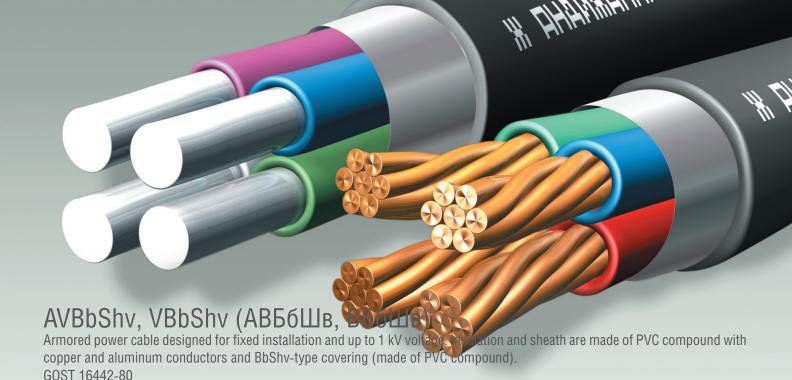
PRIMARY MANUFACTURED ASSORTMENT

Type of AWG, WG	, AWGng*, WGng*	
Number of conductors in wire		Diameter of conductor, mm
1,2,3,4,5	2,5; 4,0; 6,0;	10; 16; 25; 35; 50; 70; 95; 120; 150; 185; 240

^{*}Power cable designed for fixed installation and up to 1 kV voltage with insulation and sheath are made of PVC compound of low combustibility.

DELIVERY FORM:

Cable is delivered in coils and wooden drums as per GOST 5151-79, in lengths not shorter than construction lengths.



Electrical power transmission and distribution in fixed plants with normal AC voltage of 0.66 and 1 kV.

CONSTRUCTION:

Conductor - Circular conductor made of flexible aluminum wire (for AVBbShv) and flexible copper wire (for VBbShv). If section is more than 16 mm2, the cable conductor is stranded. If section is 20 mm2 or more, the cable conductor is segmental or sectorial. For cables with three, four or five conductors, the cable conductors are of the same section or one neutral conductor of less section is used. If section of main c onductors is up to 25 mm2, the cables are provided with neutral or ground conductor.

Insulation - Insulating PVC compound

Wrapping - Mylar or PVC film; manufacture of cables without wrapping is allowed if movement of insulated conductors is provided, and if the possibility of sheath separation from insulation without damage is provided.

Armor - Two steel tapes

Sheath - Of BbShv type (made of PVC compound).

Power cables with PC insulation and sheath made of fire-resistant PVC compound designed for 0.66 kV/1.0 kV voltage as perTsh 64-05830150-17:2008

With aluminum conductors	AVBbShvng	3;4	0,66 кВ 4 – 50	1 kV 6 – 240
With copper conductors	VBbShvng	3;4	0,66 кВ 4 – 50	1 kV 6 – 240
With aluminum conductors	AVBbShvng-LS	3;4	0,66 кВ 4 – 50	1 kV 6 – 240
With copper conductors	VBbShvng-LS	3;4	0,66 кВ 4 – 50	1 kV 6 – 240

^{*}Armored power cable for fixed installation and voltage of up to 1 kV - with fire-resistant plastic insulation (PVC compound).

For cables with three, four or five conductors, the cable conductors are of the same section or one neutral conductor of less section is used. If section of main conductors is up to 25 mm2, the cables are provided with neutral or ground conductor.

Tsh 64-05830150-17:2008

DELIVERY FORM:

Cable is delivered in coils and wooden drums as per GOST 5151-79, in lengths not shorter than construction lengths.



The cable is designed for fixed connection to electrical devices and equipment, as well as for installation of terminals of switch stations with rated AC voltage of up to 660 V, up to 100 Hz frequency and DC voltage of up to 1000 V.

CONSTRUCTION:

Conductor - Solid conductor made of flexible aluminum wires (for AKVVG) and flexible copper wires (for KVVG). Insulation - Insulating PVC compound Wrapping - Spirally overlaid Mylar film tape.

Sheath - Hose made of light-thermal resistant PVC compound.

OPERATION AND INSTALLATION CONDITIONS:

Operating temperature - from -50°C to 50°C Installation temperature - not below -15°C

Minimum service life under normal operation conditions - at least 15 years for ground installation,

25 years - for installation in premises, ducts, tunnels

Primary application - in premises, ducts, tunnels. Outdoor installation is allowed if protection against mechanical damages and direct sunlight is provided. Ground installation is allowed if cable protection in outlet locations is provided.

Installation bends - at least 6 sheath diameters.

ELECTRICAL CHARACTERISTICS:

Insulation resistance of conductors at temperature of 20°C, MOhm/km:

For section of 2.5-4.0 mm2 - at least 9;

For section of 6.0-10 mm2 - at least 6

PRIMARY MANUFACTURED ASSORTMENT

Type of AKWG, AKWGng*, KWG*, KWGng*		
Number of insulated conductors in wire	Diameter of conductor, mm	
4, 5, 7, 10, 14, 19, 27, 37, 52, 61	2,5; 4,0; 6,0	

^{*} General purpose control cable with fire-resistant plastic insulation (PVC compound). Tsh 64–05830150–17:2008

Type of	KWGe*
Number of insulated conductors in wire	Diameter of conductor, mm
4, 5, 7, 10, 14, 19, 27, 37, 52, 61	1,0; 1,5; 2,5; 4,0

* Shielded cable of general purpose with plastic insulation.

GOST 1508-78

Туре с	of KWGeng*		
Number of insulated conductors in wire		Diameter of conductor, mm	
4, 5, 7, 10, 14, 19, 27, 37, 52, 61		1,0; 1,5; 2,5; 4,0	X

^{*} Shielded control cable of general purpose with fire-resistant plastic insulation (PVC compound). Tsh 64–05830150–17:2008



he cable is designed for fixed connection to electrical devices and equipment, as well as for installation of terminals of switch stations with rated AC voltage of up to 660 V, up to 100 Hz frequency and DC voltage of up to 1000 V.

CONSTRUCTION:

Conductor - Solid conductor made of flexible aluminum wires (for AKVBbShv) and flexible copper wires (for KVBbShv). Insulation - Insulating PVC compound Wrapping - Spirally overlaid Mylar film tape.

Armor - Two steel tapes

Sheath - Hose made of light-thermal resistant

PVC compound.

PRIMARY MANUFACTURED ASSORTMENT

This will his work of one by the continue will		
Type of AKVBbShv, KVBbShv		
Number of insulated conductors in wire	Diameter of conductor, mm	
4, 5, 7, 10, 14, 19, 27, 37	1,0; 1,5; 2,5; 4,0	
Type of AKVBbShvng*, KVBbShvng*		
Number of insulated conductors in wire	Diameter of conductor, mm	
4, 5, 7, 10, 14, 19, 27, 37	1,5; 2,5	

'Armored control cable of general purpose with fire-resistant plastic insulation (PVC compound).

Tsh 64-05830150-17:2008

DELIVERY FORM:

Cable is delivered in coils and wooden drums as per GOST 5151-79, in lengths not shorter than construction lengths.



The cable is designed for fixed installation inside buildings and structures, for operation in frequency range of up to 100 MHz (5e category as per ISO/IEC 11801).

CONSTRUCTION:

Conductor - Made of flexible copper wire of 5e flexibility class

Insulation - Made of high pressure polyethylene

Wrapping - Made of Mylar tape

Shield (for KSVPVe 5e only) - Made of alumphlex

Sheath - PVC compound. Grey color

OPERATION AND INSTALLATION CONDITIONS:

Cable installation shall be at temperature not below 0°C

Maximum allowable bend radius at cable laying and installation shall at least 10 minimum outer dimensions (diameters) of cable

ELECTRICAL CHARACTERISTICS:

Conductor resistance calculated per 100 m of cable length and temperature of 20°C does not exceed 9.6 Ohm. Resistance difference of conductors in working pair per 100 m length does not exceed 3%.

PRIMARY MANUFACTURED ASSORTMENT

Type of KSVPV 5e, KSVPVe 5e		
Diameter of conductor, mm Number of pairs in cable		
0,50	2*2	
0,52	4*2, 10*2, 16*2, 25*2	

DELIVERY FORM:

Cable is delivered in coils and wooden drums as per GOST 5151-79, in lengths not shorter than construction lengths.



KSVPP 5e and KSVPPe 5e cables are designed for outdoor installation, for operation in frequency range of up to 100 MHz (5e category as per ISO/IEC 11801).

The cable is designed for outdoor installation, for pulling between supports or buildings at the distance of up to 100 m, for connection of cable system segments of 5e category (as per ISO/IEC 11801) in frequency range of up to 100 MHz

CONSTRUCTION:

Conductor - Stranded conductor made of flexible copper wire of 5e flexibility class Insulation - Made of high pressure polyethylene Wrapping - Made of Mylar tape

Shield (for KSVPPe 5e and KSVPPeT only) - Made of alumphlex

Sheath - PVC compound. Black color

Steel galvanized rope - for KSVPPeT 5e only

OPERATION AND INSTALLATION CONDITIONS:

Cable installation shall be at temperature not below 15°C

Maximum allowable bend radius at cable laying and installation shall be more than 10 minimum outer dimensions (diameters) of cable

ELECTRICAL CHARACTERISTICS:

Conductor resistance calculated per 100 m of cable length and temperature of 20°C does not exceed 9.6 0hm. Resistance difference of conductors in working pair per 100 m length does not exceed 3%.

PRIMARY MANUFACTURED ASSORTMENT

Diameter of conductor, mm	Number of pairs in cable	
Type of KSVPP	5e, KSVPPe 5e	
0,50	2*2	
0,52	4*2, 10*2, 16*2, 25*2	
Type of KSVPPeT 5e		
0,52	4*2	

DELIVERY FORM:

Cable is delivered in coils, in lengths not shorter than construction ones, by 100 m, 305 m and 500 m.



Ashore power transmission within power networks in any macroclimatic areas of moderate and cold climate.

CONSTRUCTION:

Conductor - Stranded conductor twisted of aluminum wires Core - Made of solid or twisted steel galvanized wires

OPERATION AND INSTALLATION CONDITIONS:

The wire shall have overhead installation on TLs supports in accordance with Electrical and technical regulations on power plants and networks located in air atmosphere of 1 and 2 types, provided that sulfur dioxide content in atmosphere does not exceed 150mg/m2*day (1.5 mg/m3). Operating temperature - From -60° C to 40°C

Max allowable continuous temperature of conductor heating during operation - 90°C.

Minimum service life under normal operating conditions - at least 45 years

ELECTRICAL CHARACTERISTICS:

Conductor resistance calculated per 100 m of cable length and temperature of 20°C does not exceed 9.6 Ohm. Resistance difference of conductors in working pair per 100 m length does not exceed 3%.

PRIMARY MANUFACTURED ASSORTMENT

Nominal section, sq. mm	DC electrical resistance per 1 km of wire at 20 °C, Ohm, max	Breaking stress of wire, kN, min	Mass, kg/m*	Construction length, m, min
16/2,7	1,782	6,22	64,72	3000
25/4,2	1,152	9,30	100,18	3000
35/6,2	0,777	13,52	148,39	3000
50/8,0	0,595	17,11	193,90	3000
70/11	0,422	24,13	273,40	2000
95/16	0,300	33,37	385,00	1500
120/19	0,244	41,5	470,30	2000
120/27	0,253	49,5	521,70	2000
150/19	0,205	46,31	552,20	2000
185/29	0,159	62,06	725,60	2000
185/43	0,156	77,77	844,90	2000
240/56	0,120	98,25	1104,00	2000
330/30	0,086	88,85	1147,80	2000
330/43	0,087	103,78	1251,60	2000
450/56	0,070	131,37	1194,60	1500

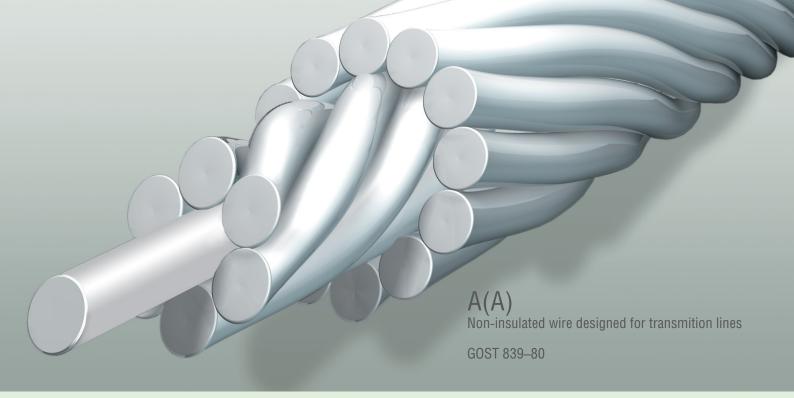
DELIVERY FORM:

Wire is delivered in coils or wooden drums as per GOST 5151-79.

OPTIONS

Wires of other labels sized of up to 500 sq. m in section inclusive can be manufactured and supplied up on costumer request by agreement with the costumer.

21



Ashore power transmission within power networks in any macroclimatic areas of moderate and cold climate.

CONSTRUCTION:

Conductor - Stranded conductor twisted of aluminum wires

OPERATION AND INSTALLATION CONDITIONS:

The wire shall have overhead installation on TLs supports in accordance with Electrical and regulations on power plants and networks. Operating temperature - from -60° C to $+40^{\circ}$ C

Max allowable continuous temperature of conductor heating during operation - 90°C. Minimum service life under normal operating conditions - at least 45 years

ELECTRICAL CHARACTERISTICS:

Conductor resistance calculated per 100 m of cable length and temperature of 20°C does not exceed 9.6 Ohm. Resistance difference of conductors in working pair per 100 m length does not exceed 3%.

ELECTRICAL AND MECHANICAL PARAMETERS:

Nominal section, sq. mm	DC electrical resistance per 1 km of wire at 20 °C, Ohm, max	Breaking stress of wire, kN, min	Mass, kg/m*	Construction length, m, min
16	1,80	3,02	43,08	4500
25	1,15	4,50	67,75	4000
35	0,835	5,91	93,33	4000
40	0,716	6,80	108,86	3500
50	0,578	8,20	134,40	3500
100	0,288	17,0	275,31	2000
120	0,246	19,89	319,97	1500
125	0,230	21,25	342,14	1500
150	0,194	24,42	404,60	1250
185	0,157	29,83	500,70	1000
240	0,120	38,19	653,83	1000
300	0,100	47,57	786,88	1000

DELIVERY FORM:

Wire is delivered in coils or wooden drums as per GOST 5151-79.

OPTIONS:

Wires of other label sized of up to 500 sq. m in section inclusive can be manufactured and supplied upon customer request by agreement with the customer.

Operating temperature - from -60°C to +40°C

Max allowable continuous temperature of conductor heating during operation - 90°C.

Minimum service life under normal operating conditions - at least 45 years



The wire is designed for use during repair, installation and operation of power network lines under voltage of up to 250 V.

CONSTRUCTION:

Conductor - Solid copper conductor (for PPBN, PUNP), solid aluminum conductor (for APUNP, APPBN), stranded copper conductor twisted of flexible copper wires (for PUGNP).

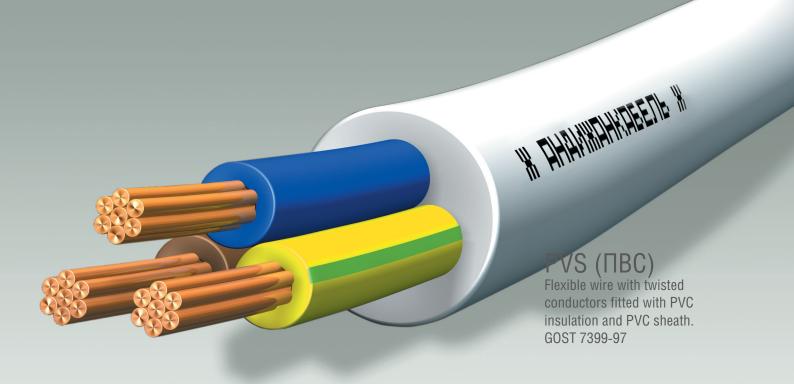
Insulation - Insulating PVC compound Sheath (for APUNP, PUNP and PUGNP only) - PVC compound

PRIMARY MANUFACTURED ASSORTMENT:

Number of conductors in wire	Diameter of conductor, mm
Type o	f APPBN
2	1,5; 2,5; 4,0
Type of AF	PUNP, PPBN
2, 3	2,5; 4,0; 6,0
Type o	of PUNP
2, 3	0,75; 1,0; 1,5; 2,5; 4,0; 6,0
Type of	f PUGNP
2, 3	0,5; 0,75; 1,0; 1,5; 2,5; 4,0

DELIVERY FORM:

Wire is delivered in coils, in length not shorter than construction ones.



The wire is designed for household and similar electric equipment and devices connection to power networks of rated voltage of up to 380 V of 380/380 or 380/660 V systems.

CONSTRUCTION:

Conductor - Stranded conductor made of flexible copper wire of 5 flexibility class. Conductors are twisted in a core Insulation - Insulating PVC compound Sheath - PVC compound. Black or white color

OPERATION CONDITIONS:

Primary application for household and repair electrical devices and tools for washing machines,

refrigerators, labor saving tools for gardens and orchards as well as for extension cords manufacture.

Operating temperature range - from -40°C to +40°C

Allowable continuous temperature of conductor during operation - 70°C max

Wire insulation and sheath is resistant to deformation at temperature of 70°C as well as to cracking

The wire is flame retardant in case of single installation

Operating time - at least 5000 hours;

Service life under normal operating conditions - at least 6 years

ELECTRICAL CHARACTERISTICS:

DC electric resistivity of conductors at temperature of 20°C, Ohm*mm2/m - at least 0.01724; Max rated current loads, A:

6.0- for 0.75 mm2 section of conductor;

10.0- for 1.0 mm2 section of conductor;

16.0- for 1.5 mm2 section of conductor;

25.0- for 2.5 mm2 section of conductor

ELECTRICAL AND MECHANICAL PARAMETERS:

Type of PVS		
Number of conductors in wire	Diameter of conductor, mm	
2,3,4	0,75; 1,0; 1,5; 2,5	
5	4,0; 6,0; 10; 16	

DELIVERY FORM:

Wire is delivered in coils, in lengths not shorter than construction ones..



The wire is designed for electric plants and fixed installation in power lighting systems, as well as for fixed installation of electrical equipment of apparatuses, mechanisms and machines at rated voltage of up to 450 V (for 450/750 V networks) and frequency of up to 400 Hz or DC voltage of up to 1000 V. The wire is not intended for flexible installation.

CONSTRUCTION:

Conductor - Conductor made of two or three parallel flexible aluminum wires (for APPV) and flexible copper wires (for PPV) Insulation - Insulating PVC compound. Color - white, gray, yellow, orange, red, pink, blue, green, brown, black, purple and yellow-green (for solid conductors of up to 6 mm2 in section).

OPERATION AND INSTALLATION CONDITIONS:

Installation in hollow ducts of building structures, mounting boxes, trays, pipes, as well as in bundles inside switchboards, control cabinets and control panels of equipment Installation temperature - not below -15°C Installation bends - at least 10 diameters

Operation conditions - ambient temperature of up to -50°C, relative humidity of up to 100% at the temperature of up to +35°C

Allowable continuous temperature of conductors heating - 70°C max Service life under normal operating conditions - at least 15 years

ELECTRICAL CHARACTERISTICS:

Electric resistivity of conductor at temperature of 20°C, Ohm*mm2/m - 0.02800 max; Insulation resistance at 20°C, kOhm/km:

At least 1000 - for acceptance and delivery At least 10 - for storage and operation period

PRIMARY MANUFACTURED ASSORTMENT

Type of APPV, PPV			
Number of conductors in wire	Diameter of conductor, mm		
2.3	0.75; 1.0; 1.5; 2.5; 4.0; 6.0		

DELIVERY FORM:

Wire is delivered in coils, in lengths not shorter than construction ones.



The wire is designed for electric plants and fixed installation in power lighting systems, as well as for fixed installation of electrical equipment of apparatuses, mechanisms and machines at rated voltage of up to 450 V (for 450/750 V networks) and frequency of up to 400 Hz or DC voltage of up to 1000 V.

CONSTRUCTION:

Conductor - Solid conductor made of flexible aluminum wire

If wire section is 25 mm2 or more, the conductor is of stranded type and 2 flexibility class

Insulation - Insulating PVC compound. Color - white, gray, yellow, orange, red, pink, blue, green, brown,

black, purple and yellow-green (for solid conductors of up to 6 mm2 in section).

OPERATION AND INSTALLATION CONDITIONS:

Installation in hollow ducts of building structures, mounting boxes, trays, pipes, as well as in bundles inside switchboards, control cabinets and control panels of equipment

Operation conditions - ambient temperature from -50°C to +70°C, relative humidity of up to 100% at the

temperature of up to +35°C

Installation temperature - not below -15°C

Allowable continuous temperature of conductors heating - 70°C max Installation bends - at least 10 diameters

Insulation is resistant to cracking at temperature of 150°C as well as to deformation at temperature of 70°C Service life under normal operating conditions - at least 15 years

ELECTRICAL CHARACTERISTICS:

Electric resistivity of conductor at temperature of 20°C, Ohm*mm2/m - 0.02800 max; Insulation resistance at 20°C, MOhm/km - at least 1

PRIMARY MANUFACTURED ASSORTMENT

Type of APV			
Number of conductors in wire	Diameter of conductor, mm		
1	2,5; 4,0; 6,0; 10; 16; 25; 35; 50; 70		

DELIVERY FORM:

Wire is delivered in coils or wooden drums as per GOST 5151-79, in lengths not shorter than construction ones.



The wire is designed for electric plants at fixed installation in lighting and power systems, as well as for fixed installation of electrical equipment, apparatuses, mechanisms and machines at rated voltage of up to 450 V (for 450/750 V networks) and frequency of up to 400 Hz or DC voltage of up to 1000 V.

CONSTRUCTION:

Conductor - Solid conductor made of flexible copper wire (for PuV), and stranded extra-flexible copper conductor (for PuGV) Insulation - Insulating PVC compound. Color - white, gray, yellow, orange, red, pink, blue, green, brown, black, purple and yellow-green (for solid conductors of up to 6 mm2 in section).

OPERATION AND INSTALLATION CONDITIONS:

Installation in steel pipes, hollow ducts of building structures, mounting boxes, trays; and installation for electric circuits Installation temperature - not below -15°C

Operating temperature - form -50°C to +70°C

Allowable continuous temperature of conductors heating - 70°C max

Minimum bend radius - at least 10 diameters

The wires are resistant to:

Acoustic noise within frequency range from 50 to 10000 Hz at sound pressure level of up to 160 dB;

Single mechanical shock with peak shock acceleration of 15000 m*sec-2, at shock acceleration duration of 0.1 - 2.0 ms; Repeatable operation with acceleration of 1500 m*sec-2, at 1 - 5 ms duration;

Low atmospheric pressure - 53 kPa;

High atmospheric pressure - 290 kPa;

Service life under normal operating conditions - at least 15 years

ELECTRICAL CHARACTERISTICS:

Electric resistivity of conductor at temperature of 20°C, Ohm*mm2/m - 0.01724 max;

Insulation resistance at 20°C, kOhm/km:

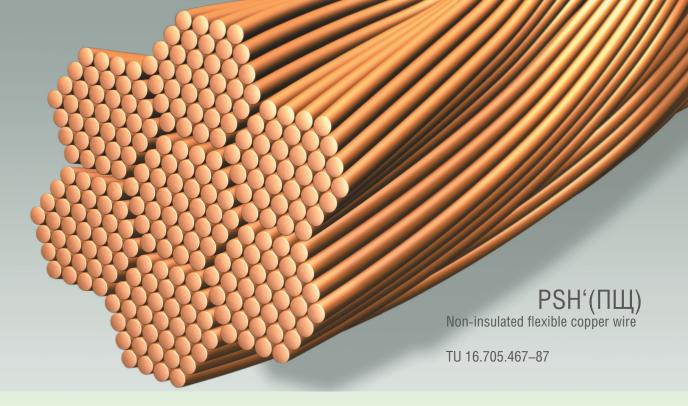
At least 1000 - for acceptance and delivery At least 10 - for storage and operation period

PRIMARY MANUFACTURED ASSORTMENT

Type of PuV, PuGV		
Number of conductors in wire	Diameter of conductor, mm	
1 0,5; 0,75; 1,0; 1,5; 2,5; 4,0; 6,0; 10; 16; 25; 35; 50;		

DELIVERY FORM:

Wire is delivered in coils or wooden drums as per GOST 5151-79, in lengths not shorter than construction ones.



The wire is designed for electric machine collectors.

CONSTRUCTION:

Conductor - twisted copper wires.

OPERATION AND INSTALLATION CONDITIONS:

Breaking strength, N (kgf):

- -At least 7.77 for 0.04 mm2 section;
- -At least 1769.4 for 10.0 mm2 section;

Operating temperature - from -60°C to +230°C

The wire withstands: atmospheric precipitations (dew, frost, rain), salt spray, solar radiation (integral, ultraviolet), static and dynamic dust (sand), mold fungus;

Minimum operating time, h: at temperature from 60°C to 85°C - 10000; at temperature of up to 100°C - 5000; at temperature of up to 125°C - 1000; at temperature of up to 150°C - 300; at temperature of up to 200°C - 200;

at temperature of up to 230°C - 30 for conductors of more than 1.5 mm2 in section; Minimum service life (if requirements to operating conditions are met) - 16 years.

ELECTRICAL CHARACTERISTICS:

Max resistance of conductor, per 1 km length, Ohm: for acceptance and delivery period:

- -445.0 for 0.04 mm2 section;
- -3.4 for 6.0 mm2 section;
- -1.2 for 16.0 mm2 section; for storage and operation period:
- -534.0 for 0.04 mm2 in section;
- -4.1 for 6.0 mm2 in section;
- -1.44 for 16.0 mm2 in section;

Allowable current load, A:

- -1.15- for 0.04 mm2 in section;
- -75.0 for 10.0 mm2 in section.

The wire shall be annealed after twisting.

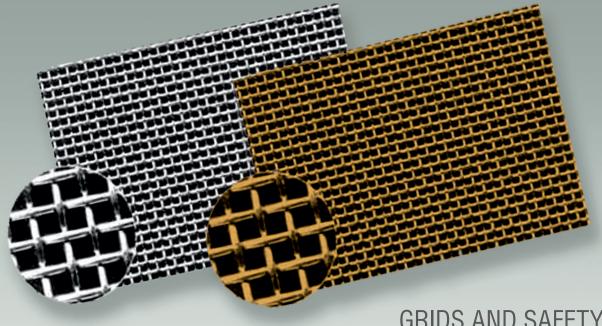
Insulation resistance at 20°C, MOhm/km - at least 1

PRIMARY MANUFACTURED ASSORTMENT

	Type of PSh'			
	Number of conductors in wire	Diameter of conductor, mm		
1	1	0,04; 0,06; 0,07; 0,09; 0,13; 0,16; 0,18; 0,25; 0,30; 0,35; 0,50; 0,70; 0,75; 1,00; 1,25; 1,50; 2,00; 2,50; 3,20; 4,00; 6,00; 8,00; 10,00		

DELIVERY FORM:

The wire is delivered in coils or reels.



GRIDS AND SAFETY BARRIERS

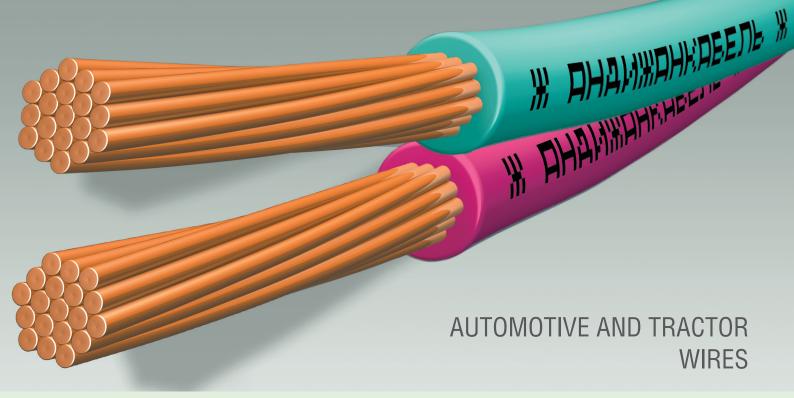
Name	Mesh size, mm	Wire diameter, mm	Width, mm		
	Steel wi				
Steel wire cloth is used for mater	ial segregation by size; for surfaces		iltration, drying, dehydration, etc.		
12x18H10T	0,15–3,2	0,13–0,6	1000– 1600		
	Low brass				
	As per GOS	ST 6613-86			
L-80	0,017–2,5	0,09–0,5	1000		
	Copper w	vire cloth			
	As per GOS	ST 6613-86			
M 1	0,56	0,15	1000		
	Steel tubular mesl	h grid for filtration			
It is used for entrained liquid sep	aration from vapor (gas) flow in dist	tillation, adsorption, stripping and ot	ther vertical vessels, as well as in		
	separators, baffles	and other devices.			
As per Tsh 64-05830150-20:2008					
12x18H10T	(18H10T 6–12 0,3 80–100		80–100		
Steel plain mesh grid					
It is used for various enclosures, and for bulk material screening and plastering works. As per GOST 53336					
«Rabitsa»	5– 100	1,2–5,0	До 2500		
Twisted wire grid with hexagonal meshes					
It is used for enclosures, as well as to reinforce grass-plots, etc.					
It is also used for manufacture of animal cages, thermal insulation, and other purposes.					
As per GOST 13603					
«Manye»	25	0,6	До 3000		

Concertina razor wire

It is used as a barrier in form of spirals with sharp spike-blades As per Tsh 64-05830150-25:2008

Identification	Diameter of rolled	Turning number	Diameter of rolled	The number of	The length of tape	Theoretic mass of
	out product, mm	per 1 running	out coil, m	nodes (bonding)	in a coil, m	1 running meter,
		meter, pcs		per diameter, pcs		kg
«Egoza-450»	410–450	4,5	10	3	63,6±0,1	0,59
«Egoza-500»	460–500	4,5	10	3	70,6±0,1	0,66
«Egoza-600»	560-600	4,5	10	3	84,8±0,2	0,79
«Egoza-900»	860–900	4,5	20	3	254,3±0,4	1,2

^{*} Manufacture of grids from materials such as stainless steel, brass, copper, galvanized steel, bronze, nickel and other alloys is optional. The size of mesh as per customer request is optional as well.



Name	Туре	Number of conductors	Conductor section, mm2 (^diameter, mm)		
They are used for connection	of automotive electrical equipmen	wires with PVC insulation t to devices of up to 48 V rated vol 2008	tage As per Tsh 64-05830150-		
	PVA, PGVA (ΠΒΑ, ΠΓΒΑ) 1 0,35–9,5				
As per Tsh 64-05830150-35:2008	3				
	PVA-M (ΠBA-M)	1	0,3-35		
Flexible wire with copper conductor and PVC insulation	AV		0,5–15,0		
Flexible wire with copper conductor and thin insulation made of PVC compound	AVS	AVS			
Wire with extra-flexible copper conductor and PVC insulation AVSF			0,5–1,25		
* Wire with flexible copper conductor and thin insulation made of PVC compound 'Operates at increased temperature	AVSS		0,3–0,2		
Wire with flexible copper conductor and PVC insulation	FLY		0,5–16,0		
Cold-resistant wire with flexible copper conductor and PVC insulation	FLK		10,0–16,0		
Wire with copper conductor and two-layered insulation made of PVC compound and oil-resistant plastic compound	FLKK		0,5–1,5		



соответствия системы менеджмента требованиям стандарта ISO 14001:2004

В соответствии с правилами сертификации подтверждено выполнение требований стандарта в организации

СП АО «АНДИЖАНКАБЕЛЬ»

Республика Узбекистан, Андижанская область, 171500, г. Ханабад, ул. Коинот, 47

в области:

Производство кабельно-проводниковой продукции, сетки, смазочных материалов, композиционного полиэтилена, ПВХ пластиката и лакокрасочных материалов.

Регистрационный тис 15 104 151320 Действителен до: 2018-06-24 Действителен с: 2015-06-25

Отчет по аудиту №: 3330 2QWW A0

Сертификация проведена в соответствии с процедурой аудитирования и сертификации ТІС и предусматривает проведение регулярных наблюдательных аудитов.

Орган по сертификации систем и персонала TÜV Thüringen e.V.



Йена, 2015-06-25





На официальных сертификатах

Срок действия сертификата может быть проверен на Интернет-странице www.tuev-thueringen.de
Zertifizierungsstelle des TÜV Thüringen e.V. • Ernst-Ruska-Ring 6 • D-07745 Jena • \$\overline{\pi}\$ +49 3641 399740 • \$\overline{\pi}\$ zertifizierung@tuev-thueringen.de

In September 2014, it was successfully held the third recertification audit at JV SC «Andijankabel». The audit was aimed at examining on compliance of the quality management system with the requirements of ISO 9001: 2008 under the supervision of the German certification body named TUV Thuringen. The audit confirmed that the ISO 9001: 2008 requirements are met. As a result, it was decided to extend the validity of the ISO 9001: 2008 certificate until 2017.

JV SC «Andijankabel» has created and maintains the system of environmental management as a means of implementation of it's the Environmental Policy. The environmental management system is certified on compliance with the requirements of the international ISO 14001 standard by the International certification body named TUV Thüringen on June 25, 2015.

СЕРТИФИКАТ



соответствия системы менеджмента требованиям стандарта ISO 9001:2008

соответствии правилами сертификации С подтверждено выполнение требований стандарта в организации

СП АО «Андижанкабель»

Республика Узбекистан, Андижанская область, 171500, г. Ханабад, ул. Коинот, 47

в области:

Производство кабельной продукции, сетки, смазочных материалов, композиционного полиэтилена, ПВХ пластиката и лакокрасочных материалов.

Регистрационный Действителен до: 2017-09-23 TIC 15 100 85672 номер сертификата:

Действителен с: 2014-11-24

Отчет по аудиту №: 3330 2CP7 G0 Первичная сертификация: 2008

Сертификация проведена в соответствии с процедурой аудитирования и сертификации ТІС и предусматривает проведение регулярных наблюдательных аудитов.

Орган по сертификации систем и персонала TÜV Thüringen e.V.



Йена, 2014-11-24





На официальных сертификатах голограммы

Срок действия сертификата может быть проверен на Интернет-странице www.tuev-thueringen.de Zertifizierungsstelle des TÜV Thüringen e.V. • Ernst-Ruska-Ring 6 • D-07745 Jena • 🖀 +49 3641 399740 • 🖂 zertifizierung@tuev-thueringen.de

The JV SC «Andijankabel» plant operates an accredited testing laboratory that provides input control, acceptance, periodic, qualification and certification tests of finished products.