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FINCOMBANK SA FIL.NR2 CHISINAU  
BIC FTMDMD2X847

## KVVG, KVVGng, KVVGng-LS

TU U 27.3-38456790-024:2022

### Control cables

<b>Control cables (Class 1) with copper cores, polyvinylchloride insulation and sheath</b>	
<b>K</b>	Control cable
<b>V</b>	Polyvinylchloride plasticate insulation
<b>V</b>	Polyvinylchloride plasticate sheath
<b>G</b>	Unarmored (bare)
<b>ng</b>	Non-combustible
<b>ng-LS</b>	Non-combustible, reduced smoke and gas release

### Operating and installation requirements

- Ambient temperature from  $-50^{\circ}\text{C}$  to  $50^{\circ}\text{C}$ .
- Relative humidity up to 98% at temperatures up to  $35^{\circ}\text{C}$ .
- Cables can be laid without preheating at temperatures not lower than  $-15^{\circ}\text{C}$ .
- Minimum bending radius during installation should be not less than 6 cable outer diameters.
- Longterm temperature rise limits for cable cores should not exceed  $70^{\circ}\text{C}$ .
- Temperature limit in the overload mode is max  $90^{\circ}\text{C}$ .
- Rated alternating voltage up to 0.66 kV and up to 1kV.
- Warranty service life is 5 years.
- Service life is minimum 15 years

### Wires intended use

KVVG, KVVGng, KVVGng-LS

Cables are intended for fixed connection to electrical devices, instruments, terminal boards of electrical switchgear rated up to 1 kV AC voltage and up to 100 Hz frequency.

Used for fixed attachment of power circuits, control circuits of devices and mechanisms (for fixed laying in locations where higher conductor flexibility is required). Not recommended for laying in the ground and outdoors where sunlight can reach cables. When laying outdoors it is necessary to use extra means of ultraviolet protection.

### Conductor design

KVVG, KVVGng, KVVGng-LS

Core count	Rated voltage, kV	
	0,66/1	
	Main cores nominal cross-section, mm <sup>2</sup>	
2, 3, 4, 5, 7, 10, 14, 19	1, 1,5, 2,5	
4, 5, 7	4	

Design data for  
KVVG, KVVGng, KVVGng-LSwires

Core nominal cross-section, mm <sup>2</sup>	Nominal thickness, mm		Nominal cable diameter, mm	Maximum cord resistance at 20°C, Ohm/km	Minimum value of insulation resistance at 20°C, MOhm/km	Calculated mass of 1 km cable, kg KVVG
	insulation	sheath				
2x1	0,6	1,2	7,1	18,1	10	63
2x1,5	0,6	1,2	7,5	12,1	10	73
2x2,5	0,6	1,2	8,3	7,41	9	98
3x1	0,6	1,2	7,4	4,61	10	79
3x1,5	0,6	1,2	7,9	12,1	10	95
3x2,5	0,6	1,2	8,8	7,41	9	130
4x1	0,6	1,2	8,1	18,1	10	98
4x1,5	0,6	1,2	8,6	12,1	10	119
4x2,5	0,6	1,2	9,6	7,41	9	165
4x4	0,7	1,3	11,3	4,61	9	240
5x1,5	0,6	1,2	9,3	12,1	10	143
5x2,5	0,6	1,3	10,6	7,41	9	204
5x4	1,0	1,4	14,1	4,61	9	337
5x6	1,0	1,4	15,5	3,08	6	446
7x1	0,6	1,3	9,7	18,1	10	154
7x1,5	0,6	1,3	10,3	12,1	10	189
7x2,5	0,6	1,3	11,5	7,41	9	264
7x4	0,7	1,3	13,4	4,61	9	388
10x1	0,6	1,4	12,2	18,1	10	219
10x1,5	0,6	1,4	13,0	12,1	10	268
10x2,5	0,6	1,4	14,6	7,41	9	375
14x1	0,6	1,4	13,2	18,1	10	284
14x1,5	0,6	1,4	14,1	12,1	10	351
14x2,5	0,6	1,4	15,8	7,41	9	499
19x1	0,6	1,4	14,6	18,1	10	367
19x1,5	0,6	1,4	15,6	12,1	10	456
19x2,5	0,6	1,4	17,6	7,41	9	654

Note: Calculated and nominal data can deviate from the actual data.  
Identification markings meet fire safety requirements under DSTU 4809:2007  
KVVG – PB 100000000  
KVVG – PB 100000000  
KVVGng-LS – PB 123111000

Director General  
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