



INTERKABEL KYIV

PV1 (H05V-U/H05V-R)

Insulated wire

DESIGN



- 1 | Copper conductor, solid wire (–U) resp. fine wire (–R)
2 | Core insulation (PVC)

APPLICATION

For fixed and protected installation within appliances as well as in and on luminaires. Permissible for installation in conduits on and under plaster but only for control and signal circuits.

TECHNICAL DATA



Standard:
EN 50525-2-31



Rated voltage:
300/500 V



Test voltage:
2 kV/50 Hz



Temperature range:
laying temperature: min. +15 °C
operating temperature: –50 °C up to +70 °C
conductor temperature: max. +70 °C

short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
4 x Ø of wire



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
UkrSepro certification in Ukraine
EZ Czech Republic, LVE Austria

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Ωm/km)
PV1 (H05V-U/H05V-R)			
0,5	2,0	8	36,000
0,75	2,2	11	24,500
1	2,3	15	18,100
1,5	2,8	22	12,100
2,5	3,4	35	7,410
4	3,9	52	4,610
6	4,4	75	3,080
10	6,1	124	1,830
16	7,1	198	1,150
25	8,8	312	0,727



INTERKABEL KYIV

H07V-U / H07V-R

Insulated wire

DESIGN



- 1 | Copper conductor, solid wire (-U) resp. stranded wire (-R)
2 | Core insulation (PVC)

APPLICATION

For fixed installation in conduits on or under plaster. Suitable for protected installation in and on lighting facilities or control devices for voltages up to 750 V AC or 1,000 V DC against ground.

TECHNICAL DATA



Standard:
EN 50525-2-31



Rated voltage:
450/750 V



Test voltage:
2.5 kV/50 Hz



Temperature range:
laying temperature: min. -5 °C
operating temperature: -50 °C up to +70 °C
C conductor temperature: max. +70 °C
short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
5 x Ø



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
UkrSepro certification in Ukraine
EZÚ Czech Republic, EVPÚ Slovak Republic,
ÖVE Austria, LCIE France

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
H07V-U			
1,5	2,8	20	12,100
2,5	3,3	31	7,410
4	3,8	45	4,610
6	4,3	64	3,080
10	5,5	107	1,830
H07V-R			
1,5	2,9	21	12,100
2,5	3,6	32	7,410
4	4,1	48	4,610
6	4,5	67	3,080
10	5,8	112	1,830
16	6,8	169	1,150
25	8,4	263	0,727
35	9,5	355	0,524
50	11,1	485	0,387
70	12,8	677	0,268
95	14,7	934	0,193
120	16,5	1 167	0,153

Subject to technical changes.



INTERKABEL KYIV

PV3

Insulated wire

DESIGN



- 1 | Copper conductor, fine wire (–K)
2 | Core insulation (PVC)

APPLICATION

For Flexible nstallation in conduits on or under plaster. Suitable for protected installation in and on lighting facilities or control devices for voltages up to 750 V AC or 1,000 V DC against ground.

TECHNICAL DATA



Standard:
GOST 6223



Rated voltage:
450/750 V



Test voltage:
2.5 kV/50 Hz



Temperature range:
laying temperature: min. –15 °C
operating temperature: –50 °C up to +70 °
C conductor temperature: max. +70 °C



Bending radius (min.):
5 x Ø of cable



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
UkrSepro certification in Ukraine

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with with IEC 60228, no more (Om/km)
PV 3			
0,5	2,1	8	39,600
0,75	2,3	11	25,500
1	2,5	14	21,800
1,5	3,1	21	14,000
2,5	3,7	34	7,490
4	4,3	49	4,790
6	4,7	70	3,110
10	6,5	116	1,990
16	8,1	182	1,210
25	10,5	272	0,809
35	11,4	365	0,551
50	13,3	540	0,394
70	15,0	706	0,277
95	18,1	1 004	0,203

Subject to technical changes.



INTERKABEL KYIV

H07V-K

Insulated wire

DESIGN



- 1 | Copper conductor, fine wire (–K)
2 | Core insulation (PVC)

APPLICATION

For fixed installation in conduits on or under plaster. Suitable for protected installation in and on lighting facilities or control devices for voltages up to 750 V AC or 1,000 V DC against ground.

TECHNICAL DATA



Standard:
EN 50525-2-31



Rated voltage:
450/750 V



Test voltage:
2.5 kV/50 Hz



Temperature range:
laying temperature: min. -5 °C
operating temperature: -50 °C up to +70 °C
C conductor temperature: max. +70 °C
short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
4x Ø up to 16 mm²,
5 x Ø 25 up to 50 mm²,
6 x Ø above 50 mm²



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
UkrSepro certification in Ukraine
EZÚ Czech Republic, ÖVE Austria

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
H07V-K			
1,5	2,8	19	13,300
2,5	3,5	30	7,980
4	4,0	44	4,950
6	5,0	66	3,300
10	6,7	107	1,910
16	7,6	161	1,210
25	8,1	290	0,780
35	9,2	380	0,554
50	11,6	550	0,386
70	13,4	716	0,272
95	15,5	976	0,206
120	17,1	1 214	0,161

Subject to technical changes.



INTERKABEL KYIV

APV

Insulated wire

DESIGN



- 1 | Aluminium conductor, stranded wire (–R)
2 | Core insulation (PVC)

APPLICATION

For fixed installation in conduits on or under plaster. Suitable for protected installation in and on lighting facilities or control devices for voltages up to 750 V AC or 1,000 V DC against ground.

TECHNICAL DATA



Standard:
adapted to EN 50525-2-31



Rated voltage:
450/750 V



Test voltage:
2.5 kV/50 Hz



Temperature range:
laying temperature: min. -15 °C
operating temperature: -50°C up to +70 °C
conductor temperature: max. +70 °C
short-circuit temperature: max. +160 °C/5 s



Bending radius (min.):
5 x Ø 25 up to 50 mm²,
6 x Ø above 50 mm²



Fire properties:
flame retardant:
EN 60332-1-2



Certificate:
UkrSepro certification in Ukraine
EVPÚ Slovak Republic, LCIE France

Number and nominal cross-section of cores (mm ²)	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Om/km)
АПВ			
2,5	3,4	15	12,100
4	3,9	21	7,410
6	4,4	28	5,110
10	5,6	46	3,080
16	7,1	72	1,910
25	8,8	112	1,200
35	10,0	145	0,868
50	11,7	197	0,641
70	13,5	267	0,443
95	15,8	367	0,320
120	17,4	447	0,253

Subject to technical changes.