



INTERKABEL KYIV

N2XHBH (ПвБ6Пнг-HF)

Halogen-free energy cable

DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (XLPE)
- 3 | Inner covering (halogen-free tape and halogen-free polymer compound)
- 4 | Sheath (halogen-free polymer compound, black)

APPLICATION

These cables are intended for the stationary distribution of electrical energy in dry or damp premises and for fixed installations in air or concrete. Suitable for hotels, hospitals, underground railways, airports etc. to protect people and technical building equipment in the event of fire if circuit integrity is not required. Not allowed for installations underground or in water.

TECHNICAL DATA



Standard:
DIN VDE 0276-604



Rated voltage:
0.6/1 kV



Test voltage:
3/3,5 kV



Temperature range:
 laying temperature: min. -15 °C
 operating temperature: -50 °C up to +50 °C
 conductor temperature: max. +90 °C
 short-circuit temperature: max. +250 °C/4 s



Bending radius (min.):
12 x Ø of cable



Core identification:
HD 308 S2



Fire properties:
 flame retardant:
 EN 60332-1-2
 halogen-free, non-corrosive combustion gases:
 EN 60754-2
 reduced flame propagation:
 EN 60332-3-24
 low smoke emission:
 EN 61034-2



Certificate:
 UkrSepro certification in Ukraine
 EZÚ Czech Republic, VDE Germany

N2ХНВН (ПвБбПнг-НФ)

Halogen-free energy cable

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)
N2ХНВН (ПвБбПнг-НФ)			
2 x 6	18,66	647,3	3,0800
2 x 10	20,22	795,2	1,8300
2 x 16	23,34	1 071,5	1,1500
2 x 25	27,18	1 476,7	0,7270
2 x 35	29,46	1 799,7	0,5240
2 x 50	32,96	2 296,1	0,3870
2 x 70	37,30	2 995,6	0,2680
2 x 95	41,50	3 823,6	0,1930
2 x 120	44,12	4 414,9	0,1530
2 x 150	48,68	5 406,3	0,1240
2 x 185	53,14	6 587,7	0,0991
2 x 240	58,88	8 137,9	0,0754
3 x 4	18,29	628,2	4,6100
3 x 6	19,37	719,8	3,0800
3 x 10	21,05	903,1	1,8300
3 x 16	24,40	1 232,7	1,1500
3 x 25	28,50	1 722,1	0,7270
3 x 35	30,95	2 128,5	0,5240
3 x 50	34,71	2 742,2	0,3870
3 x 70	39,32	3 608,0	0,2680
3 x 95	43,83	4 655,5	0,1930
3 x 120	47,05	5 459,9	0,1530
3 x 150	51,49	6 649,1	0,1240
3 x 185	56,29	8 158,9	0,0991
3 x 240	62,41	10 112,6	0,0754
4 x 4	19,39	697,5	4,6100
4 x 6	20,60	823,0	3,0800
4 x 10	22,48	1 049,2	1,8300
4 x 16	26,24	1 449,2	1,1500
4 x 25	30,78	2 045,9	0,7270
4 x 35	33,53	2 552,2	0,5240
4 x 50	37,75	3 311,7	0,3870
4 x 70	42,81	4 379,7	0,2680
4 x 95	47,88	5 690,2	0,1930
4 x 120	51,43	6 693,5	0,1530
4 x 150	56,36	8 175,2	0,1240
4 x 185	61,74	10 073,9	0,0991
4 x 240	68,53	12 512,8	0,0754
5 x 4	20,62	783,1	4,6100
5 x 6	21,97	932,5	3,0800



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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)
N2XHBH(ПвБбПнг-НФ)			
5 x 10	24,08	1 203,3	1,8300
5 x 16	28,69	1 706,9	1,1500
5 x 25	33,33	2 386,5	0,7270
5 x 35	36,41	2 996,9	0,5240
5 x 50	41,54	3 951,0	0,3870
5 x 70	46,72	5 186,3	0,2680
5 x 95	52,79	6 824,0	0,1930
5 x 120	56,32	7 979,6	0,1530
5 x 150	61,80	9 764,9	0,1240
5 x 185	68,22	12 136,5	0,0991