



INTERKABEL KYIV

N2XH (ПвПГнг-НФ) 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



N2XH (ПвПГнг-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)
N2XH (ПвПГнг-НФ)			
1 x 1,5	5,4	42	12,1000
1 x 2,5	5,8	54	7,4100
1 x 4	6,6	76	4,6100
1 x 6	7,1	98	3,0800
1 x 10	7,9	139	1,8300
1 x 16	9,3	201	1,1500
1 x 25	10,8	296	0,7270
1 x 35	11,9	391	0,5240
1 x 50	13,8	534	0,3870
1 x 70	15,3	731	0,2680
1 x 95	17,4	985	0,1930
1 x 120	19,0	1 188	0,1530
1 x 150	20,5	1 462	0,1240
1 x 185	22,9	1 853	0,0991
1 x 240	25,6	2 320	0,0754
2 x 1,5	9,3	120	12,1000
2 x 2,5	10,1	152	7,4100
2 x 4	11,9	216	4,6100
2 x 6	12,9	272	3,0800
2 x 10	14,6	385	1,8300
2 x 16	17,0	552	1,1500
2 x 25	20,5	831	0,7270
2 x 35	23,2	1 100	0,5240
2 x 50	26,4	1 472	0,3870
2 x 70	29,8	1 970	0,2680
2 x 95	33,8	2 640	0,1930
2 x 120	36,8	3 149	0,1530
2 x 150	39,8	3 853	0,1240
2 x 185	44,6	4 879	0,0991
2 x 240	50,4	6 159	0,0754
3 x 1,5	9,8	137	12,1000
3 x 2,5	10,6	179	7,4100
3 x 4	12,5	257	4,6100
3 x 6	13,8	338	3,0800
3 x 10	15,5	478	1,8300
3 x 16	18,0	695	1,1500
3 x 25	21,8	1 055	0,7270
3 x 35	24,6	1 406	0,5240
3 x 50	28,1	1 896	0,3870
3 x 70	31,7	2 257	0,2680



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N2XH (ПвПГнг-HF) 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 (Ωm/km)
N2XH (ПвПГнг-HF)			
3 x 95	36,0	3 451	0,1930
3 x 120	39,4	4 142	0,1530
3 x 150	42,6	5 098	0,1240
3 x 185	47,8	6 463	0,0991
3 x 240	54,0	8 145	0,0754
4 x 1,5	10,5	161	12,1000
4 x 2,5	11,5	213	7,4100
4 x 4	13,8	316	4,6100
4 x 6	15,0	411	3,0800
4 x 10	16,9	589	1,8300
4 x 16	20,0	874	1,1500
4 x 25	24,1	1 331	0,7270
4 x 35	27,1	1 764	0,5240
4 x 50	31,4	2 416	0,3870
4 x 70	35,5	3 266	0,2680
4 x 95	40,2	4 414	0,1930
4 x 120	43,8	5 276	0,1530
4 x 150	47,6	6 530	0,1240
4 x 185	53,3	8 278	0,0991
4 x 240	60,7	10 483	0,0754
5 x 1,5	11,4	187	12,1000
5 x 2,5	12,5	250	7,4100
5 x 4	15,0	373	4,6100
5 x 6	16,4	488	3,0800
5 x 10	18,5	705	1,8300
5 x 16	21,9	1 051	1,1500
5 x 25	26,6	1 605	0,7270
5 x 35	30,1	2 148	0,5240
5 x 50	34,6	2 927	0,3870
5 x 70	39,2	3 966	0,2680
5 x 95	44,7	5 391	0,1930
5 x 120	48,9	6 470	0,1530
5 x 150	53,1	8 011	0,1240
5 x 185	59,3	10 125	0,0991
5 x 240	67,4	12 814	0,0754