



INTERKABEL KYIV

## ННХМН (ППГнГ-НН)

### Halogen-free installation cable

#### DESIGN



- 1 | Copper conductor, round solid (RE), resp. round stranded (RM)
- 2 | Core insulation (XLPE)
- 3 | Inner covering (halogen-free polymer compound)
- 4 | Sheath (halogen-free polyolefin compound, grey)

#### APPLICATION

As installation cable for fixed installation over, on, in and under plaster, in dry, damp and wet premises and in masonry and also in the open air but not for direct burial. Since they are free from halogens and exhibit enhanced fire performance, these cables are used in those applications where in the event of fire, the negative effects on concentrations of people and valuable material goods must be minimised.

#### TECHNICAL DATA



**Standard:**  
DIN VDE 0250-214



**Rated voltage:**  
0,6/1 kV



**Test voltage:**  
3/3,5 kV



**Temperature range:**  
 laying temperature: min. -15 °C  
 operating temperature  
 – fixed: -40 °C to +70 °C  
 – in motion: +5 °C to +70 °C  
 conductor temperature: max. +70 °C  
 short-circuit temperature: max. +250 °C/5 s



**Bending radius (min.):**  
4 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:**  
UkrSepr certification in Ukraine  
VDE Germany



## НХМН (ППГНГ-НФ) Halogen-free installation cable

Number and nominal cross-section of cores (mm <sup>2</sup> )	Calculated cable diameter (mm)	Calculated weight 1 km of cable (kg)	Cores' electrical resistance, in keeping with IEC 60228, no more (Ωm/km)
НХМН, (ППГНГ-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	11,0	120	12,1000
2 x 2,5	12,0	152	7,4100
2 x 4	14,0	216	4,6100
2 x 6	15,0	272	3,0800
2 x 10	16,0	385	1,8300
2 x 16	19,0	552	1,1500
2 x 25	23,0	831	0,7270
2 x 35	25,0	1 100	0,5240
2 x 50	29,0	1 472	0,3870
2 x 70	32,0	1 970	0,2680
2 x 95	36,0	2 640	0,1930
2 x 120	39,0	3 149	0,1530
2 x 150	42,0	3 853	0,1240
2 x 185	47,0	4 879	0,0991
2 x 240	53,0	6 159	0,0754
3 x 1,5	12,0	137	12,1000
3 x 2,5	13,0	179	7,4100
3 x 4	15,0	257	4,6100
3 x 6	16,0	338	3,0800
3 x 10	17,0	478	1,8300
3 x 16	20,0	695	1,1500
3 x 25	24,0	1 055	0,7270
3 x 35	27,0	1 406	0,5240
3 x 50	30,0	1 896	0,3870
3 x 70	34,0	2 257	0,2680



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<b>ННХМН (ППГНГ-НН)</b>			
3 x 95	38,0	3 451	0,1930
3 x 120	42,0	4 142	0,1530
3 x 150	45,0	5 098	0,1240
3 x 185	50,0	6 463	0,0991
3 x 240	57,0	8 145	0,0754
4 x 1,5	13,0	161	12,1000
4 x 2,5	13,0	213	7,4100
4 x 4	16,0	316	4,6100
4 x 6	17,0	411	3,0800
4 x 10	19,0	589	1,8300
4 x 16	22,0	874	1,1500
4 x 25	26,0	1 331	0,7270
4 x 35	29,0	1 764	0,5240
4 x 50	33,0	2 416	0,3870
4 x 70	37,0	3 266	0,2680
4 x 95	42,0	4 414	0,1930
4 x 120	46,0	5 276	0,1530
4 x 150	50,0	6 530	0,1240
4 x 185	56,0	8 278	0,0991
4 x 240	63,0	10 483	0,0754
5 x 1,5	13,0	187	12,1000
5 x 2,5	14,0	250	7,4100
5 x 4	17,0	373	4,6100
5 x 6	19,0	488	3,0800
5 x 10	21,0	705	1,8300
5 x 16	24,0	1 051	1,1500
5 x 25	29,0	1 605	0,7270
5 x 35	32,0	2 148	0,5240
5 x 50	37,0	2 927	0,3870
5 x 70	42,0	3 966	0,2680
5 x 95	47,0	5 391	0,1930
5 x 120	51,0	6 470	0,1530
5 x 150	56,0	8 011	0,1240
5 x 185	62,0	10 125	0,0991
5 x 240	71,0	12 814	0,0754