

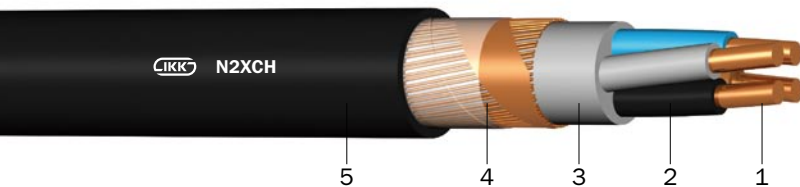


INTERKABEL KYIV

## N2XCH

Halogen-free energy cable, screened

### DESIGN



- 1 | Copper conductor, round solid (RE), round stranded (RM), resp. sector-shaped stranded (SM)
- 2 | Core insulation (XLPE)
- 3 | Inner covering (halogen-free polymer compound)
- 4 | Concentric screen (bare copper wires) and counter helix (copper tape) and halogen-free plastic tape
- 5 | Sheath (halogen-free polymere 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:**  
4 kV/50 Hz



**Temperature range:**  
 laying temperature: min. -5 °C  
 operating temperature: -50 °C up to +90 °C  
 conductor temperature: max. +90 °C  
 short-circuit temperature: max. +250 °C/5 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



## N2XCH

| 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) |
|--------------------------------------------------------------|--------------------------------|-----|--------------------------------------|-------|--------------------------------------------------------------------------|
| <b>N2XCH</b>                                                 |                                |     |                                      |       |                                                                          |
| 2 x 1,5 RE/1,5                                               | 12,100                         | 29  | 13,0                                 | 260   | 1 000 T                                                                  |
| 3 x 1,5 RE/1,5                                               | 12,100                         | 24  | 13,0                                 | 240   | 1 000 T                                                                  |
| 4 x 1,5 RE/1,5                                               | 12,100                         | 24  | 14,0                                 | 260   | 1 000 T                                                                  |
| 5 x 1,5 RE/1,5                                               | 12,100                         | 24  | 14,8                                 | 295   | 1 000 T                                                                  |
| 7 x 1,5 RE/2,5                                               | 12,100                         | 14  | 15,0                                 | 360   | 1 000 T                                                                  |
| 12 x 1,5 RE/2,5                                              | 12,100                         | 12  | 19,0                                 | 530   | 500 T                                                                    |
| 19 x 1,5 RE/4                                                | 12,100                         | 11  | 22,5                                 | 720   | 500 T                                                                    |
| 24 x 1,5 RE/6                                                | 12,100                         | 10  | 24,0                                 | 850   | 500 T                                                                    |
| 30 x 1,5 RE/6                                                | 12,100                         | 9   | 25,0                                 | 1,020 | 500 T                                                                    |
| 40 x 1,5 RE/10                                               | 12,100                         | 8   | 32,8                                 | 1,370 | 500 T                                                                    |
| 2 x 2,5 RE/2,5                                               | 7,410                          | 38  | 13,0                                 | 270   | 1 000 T                                                                  |
| 3 x 2,5 RE/2,5                                               | 7,410                          | 32  | 14,0                                 | 290   | 1 000 T                                                                  |
| 4 x 2,5 RE/2,5                                               | 7,410                          | 32  | 15,0                                 | 330   | 1 000 T                                                                  |
| 5 x 2,5 RE/2,5                                               | 7,410                          | 32  | 15,9                                 | 365   | 1 000 T                                                                  |
| 7 x 2,5 RE/2,5                                               | 7,410                          | 20  | 17,0                                 | 450   | 1 000 T                                                                  |
| 12 x 2,5 RE/4                                                | 7,410                          | 17  | 21,0                                 | 700   | 500 T                                                                    |
| 19 x 2,5 RE/6                                                | 7,410                          | 16  | 24,6                                 | 985   | 500 T                                                                    |
| 24 x 2,5 RE/10                                               | 7,410                          | 13  | 26,0                                 | 1180  | 500 T                                                                    |
| 30 x 2,5 RE/10                                               | 7,410                          | 12  | 28,0                                 | 1400  | 500 T                                                                    |
| 40 x 2,5 RE/10                                               | 7,410                          | 11  | 31,5                                 | 1930  | 500 T                                                                    |
| 2 x 4 RE/4                                                   | 4,610                          | 51  | 14,0                                 | 320   | 1 000 T                                                                  |
| 3 x 4 RE/4                                                   | 4,610                          | 42  | 15,0                                 | 380   | 1 000 T                                                                  |
| 4 x 4 RE/4                                                   | 4,610                          | 42  | 16,0                                 | 440   | 1 000 T                                                                  |
| 5 x 4 RE/4                                                   | 4,610                          | 42  | 17,9                                 | 525   | 1 000 T                                                                  |
| 7 x 4 RE/4                                                   | 4,610                          | 28  | 18,0                                 | 595   | 500 T                                                                    |
| 2 x 6 RE/6                                                   | 3,080                          | 64  | 15,0                                 | 410   | 500 T                                                                    |
| 3 x 6 RE/6                                                   | 3,080                          | 53  | 16,0                                 | 470   | 500 T                                                                    |
| 4 x 6 RE/6                                                   | 3,080                          | 53  | 17,0                                 | 550   | 500 T                                                                    |
| 5 x 6 RE/6                                                   | 3,080                          | 53  | 18,2                                 | 650   | 500 T                                                                    |
| 2 x 10 RE/10                                                 | 1,830                          | 86  | 17,0                                 | 550   | 500 T                                                                    |
| 3 x 10 RE/10                                                 | 1,830                          | 74  | 18,0                                 | 640   | 500 T                                                                    |
| 4 x 10 RE/10                                                 | 1,830                          | 74  | 19,0                                 | 760   | 500 T                                                                    |
| 5 x 10 RE/10                                                 | 1,830                          | 74  | 20,2                                 | 840   | 500 T                                                                    |
| 2 x 16 RM/16                                                 | 1,150                          | 110 | 20,6                                 | 785   | 500 T                                                                    |
| 3 x 16 RM/16                                                 | 1,150                          | 98  | 21,7                                 | 829   | 500 T                                                                    |
| 4 x 16 RM/16                                                 | 1,150                          | 98  | 22,8                                 | 1 070 | 500 T                                                                    |
| 5 x 16 RM/16                                                 | 1,150                          | 98  | 23,6                                 | 1 210 | 500 T                                                                    |
| 3 x 25 RM/16                                                 | 0,727                          | 133 | 25,4                                 | 1 290 | 500 T                                                                    |
| 4 x 25 RM/16                                                 | 0,727                          | 133 | 28,0                                 | 1 700 | 500 T                                                                    |
| 3 x 35 RM/16                                                 | 0,524                          | 162 | 28,2                                 | 1 730 | 500 T                                                                    |
| 4 x 35 RM/16                                                 | 0,524                          | 162 | 31,0                                 | 2 150 | 500 T                                                                    |
| 3 x 50 SM/25                                                 | 0,387                          | 197 | 31,3                                 | 1 990 | 500 T                                                                    |



## N2XCH

| 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) |       |
|--------------------------------------------------------------|--------------------------------|-----|--------------------------------------|--------------------------------------------------------------------------|-------|
| N2XCH                                                        |                                |     |                                      |                                                                          |       |
| 3 x 70 SM/35                                                 | 0,268                          | 250 | 37,0                                 | 2 830                                                                    | 500 T |
| 4 x 70 SM/35                                                 | 0,268                          | 250 | 40,0                                 | 3 550                                                                    | 500 T |
| 3 x 95 SM/50                                                 | 0,193                          | 308 | 40,8                                 | 4 350                                                                    | 500 T |
| 4 x 95 SM/50                                                 | 0,193                          | 308 | 45,0                                 | 4 800                                                                    | 500 T |
| 3 x 120 SM/70                                                | 0,153                          | 359 | 44,6                                 | 5 270                                                                    | 500 T |
| 4 x 120 SM/70                                                | 0,153                          | 359 | 51,0                                 | 6 500                                                                    | 500 T |
| 3 x 150 SM/70                                                | 0,124                          | 412 | 48,0                                 | 5 450                                                                    | 300 T |
| 4 x 150 SM/70                                                | 0,124                          | 412 | 56,0                                 | 7 950                                                                    | 300 T |
| 3 x 185 SM/95                                                | 0,099                          | 475 | 53,0                                 | 6 800                                                                    | 300 T |
| 4 x 185 SM/95                                                | 0,099                          | 475 | 60,4                                 | 9 970                                                                    | 300 T |
| 3 x 240 SM/120                                               | 0,075                          | 564 | 60,0                                 | 8 900                                                                    | 300 T |
| 4 x 240 SM/120                                               | 0,075                          | 564 | 68,0                                 | 12 900                                                                   | 300 T |