



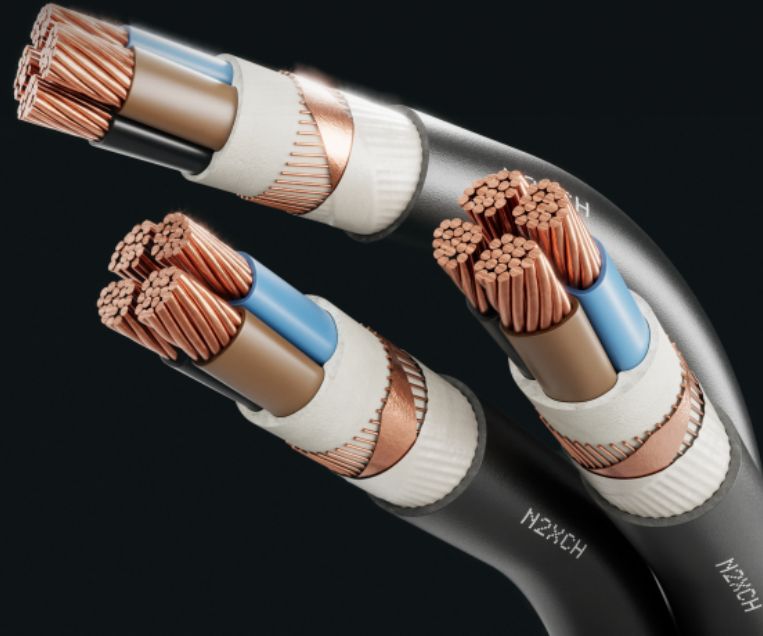
We Make  
Modern Life  
Possible



# N2XCH

XLPE/FRNC energy cable, screened

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 (U<sub>0</sub>/U)



**Core identification**  
HD 308 S2



**Certificate**  
VDE Germany



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



**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



**Test Voltage**  
4 kV / 50 Hz



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

## DESIGN



| Number of cores x nominal cross-section / cross-section of screen (mm <sup>2</sup> ) | Max. conductor resistance (Ω/km) | Current rating in the air (A) | Total weight appr. (kg/km) | Standard lengths/packing (m) |
|--------------------------------------------------------------------------------------|----------------------------------|-------------------------------|----------------------------|------------------------------|
| 2 x 1.5 RE / 1.5                                                                     | 12.1                             | 28                            | 240                        | 500 D, 1000 D                |
| 3 x 1.5 RE / 1.5                                                                     | 12.1                             | 25                            | 250                        | 500 D, 1000 D                |
| 4 x 1.5 RE / 1.5                                                                     | 12.1                             | 25                            | 260                        | 500 D, 1000 D                |
| 5 x 1.5 RE / 1.5                                                                     | 12.1                             | 16                            | 295                        | 500 D, 1000 D                |
| 7 x 1.5 RE / 2.5                                                                     | 12.1                             | 15.5                          | 360                        | 500 D, 1000 D                |
| 10 x 1.5 RE / 2.5                                                                    | 12.1                             | 13                            | 494                        | 500 D                        |
| 12 x 1.5 RE / 2.5                                                                    | 12.1                             | 12.5                          | 530                        | 500 D                        |
| 19 x 1.5 RE / 4                                                                      | 12.1                             | 10.5                          | 720                        | 500 D                        |
| 24 x 1.5 RE / 6                                                                      | 12.1                             | 9.5                           | 850                        | 500 D                        |
| 30 x 1.5 RE / 6                                                                      | 12.1                             | 9                             | 1020                       | 500 D                        |
| 40 x 1.5 RE / 10                                                                     | 12.1                             | 8                             | 1370                       | 500 D                        |
| 2 x 2.5 RE / 2.5                                                                     | 7.41                             | 38                            | 270                        | 1000 D                       |
| 3 x 2.5 RE / 2.5                                                                     | 7.41                             | 33                            | 290                        | 1000 D                       |
| 4 x 2.5 RE / 2.5                                                                     | 7.41                             | 33                            | 330                        | 1000 D                       |
| 5 x 2.5 RE / 16                                                                      | 7.41                             | 33                            | 571                        | 1000 D                       |
| 5 x 2.5 RE / 2.5                                                                     | 7.41                             | 22                            | 365                        | 1000 D                       |
| 7 x 2.5 RE / 2.5                                                                     | 7.41                             | 20.5                          | 450                        | 1000 D                       |
| 12 x 2.5 RE / 4                                                                      | 7.41                             | 16.5                          | 700                        | 500 D, 1000 D                |
| 19 x 2.5 RE / 6                                                                      | 7.41                             | 14                            | 985                        | 500 D                        |
| 24 x 2.5 RE / 10                                                                     | 7.41                             | 12.5                          | 1180                       | 500 D                        |
| 30 x 2.5 RE / 10                                                                     | 7.41                             | 33                            | 1400                       | 500 D                        |
| 40 x 2.5 RE / 10                                                                     | 7.41                             | 11                            | 1930                       | 500 D                        |
| 2 x 4 RE / 4                                                                         | 4.61                             | 49                            | 320                        | 1000 D                       |
| 3 x 4 RE / 4                                                                         | 4.61                             | 43                            | 380                        | 1000 D                       |
| 4 x 4 RE / 4                                                                         | 4.61                             | 43                            | 440                        | 1000 D                       |
| 7 x 4 RE / 4                                                                         | 4.61                             | 27                            | 595                        | 500 D                        |
| 2 x 6 RE / 6                                                                         | 3.08                             | 62                            | 410                        | 500 D                        |
| 3 x 6 RE / 6                                                                         | 3.08                             | 54                            | 470                        | 500 D                        |
| 4 x 6 RE / 6                                                                         | 3.08                             | 54                            | 550                        | 500 D                        |
| 3 x 10 RE / 10                                                                       | 1.83                             | 75                            | 640                        | 500 D                        |
| 4 x 10 RE / 10                                                                       | 1.83                             | 75                            | 760                        | 500 D                        |
| 2 x 16 RE / 16                                                                       | 1.15                             | 113                           | 785                        | 500 D                        |
| 3 x 16 RE / 16                                                                       | 1.15                             | 100                           | 829                        | 500 D                        |
| 4 x 16 RE / 16                                                                       | 1.15                             | 100                           | 1070                       | 500 D                        |
| 5 x 16 RM / 16                                                                       | 1.15                             | 65                            | 1210                       | 500 D                        |
| 3 x 25 RM / 16                                                                       | 0.727                            | 136                           | 1290                       | 500 D                        |
| 4 x 25 RM / 16                                                                       | 0.524                            | 136                           | 1700                       | 500 D                        |
| 4 x 35 SM / 16                                                                       | 0.524                            | 162                           | 2150                       | 500 D                        |
| 3 x 50 SM / 25                                                                       | 0.387                            | 201                           | 1990                       | 500 D                        |
| 4 x 50 SM / 25                                                                       | 0.387                            | 197                           | 2600                       | 500 D                        |
| 3 x 70 SM / 35                                                                       | 0.268                            | 255                           | 2830                       | 500 D                        |
| 4 x 70 SM / 35                                                                       | 0.268                            | 250                           | 3550                       | 500 D                        |
| 3 x 95 SM / 50                                                                       | 0.193                            | 314                           | 4350                       | 500 D                        |
| 4 x 95 SM / 50                                                                       | 0.193                            | 314                           | 4800                       | 500 D                        |
| 3 x 120 SM / 70                                                                      | 0.153                            | 364                           | 5270                       | 500 D                        |
| 4 x 120 SM / 70                                                                      | 0.153                            | 364                           | 6500                       | 500 D                        |
| 3 x 150 SM / 70                                                                      | 0.124                            | 416                           | 5450                       | 300 D                        |
| 4 x 150 SM / 70                                                                      | 0.124                            | 416                           | 7950                       | 300 D                        |
| 3 x 185 SM / 95                                                                      | 0.099                            | 480                           | 6800                       | 300 D                        |
| 4 x 185 SM / 95                                                                      | 0.099                            | 480                           | 9970                       | 300 D                        |
| 3 x 240 SM / 120                                                                     | 0.075                            | 565                           | 8900                       | 300 D                        |
| 4 x 240 SM / 120                                                                     | 0.075                            | 565                           | 12900                      | 300 D                        |



**CONTACT PERSON****Dogan Özcan**

Head of Technical Department  
+43 (0) 1 70170-154  
dogan.oezcan@skw.at

