



We Make Modern  
Life Possible

MEDIUM VOLTAGE CABLES 10 - 30 kV

# N2XSEY 6/10 kV

XLPE/PVC underground cable, multicore



## TECHNICAL DATA



**Standard**  
DIN VDE 0276-620



**Rated Voltage**  
6/10 kV (U<sub>0</sub>/U)



**Test Voltage**  
15 kV / 50 Hz



**Bending radius (min.)**  
15 x  $\varnothing$  of cable



**Fire properties**  
EN 60332-1-2: flame retardant and self-extinguishing

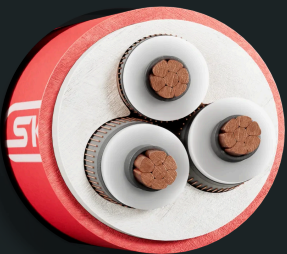


**Certificate**  
VDE Germany



**Temperature range**  
Laying temperature: min. -5°C  
Operating temperature: -20°C up to 70°C  
Conductor temperature: max. 90°C  
Short circuit temperature: max. 250°C

## DESIGN



| Number of cores x<br>nominal cross-section /<br>cross-section of<br>screen (mm <sup>2</sup> ) | Mutual<br>capacitance (nF/<br>km) | Max. conductor<br>resistance (Ω/<br>km) | Current rating in<br>the earth (A) | Current rating in<br>the air (A) | Outer diameter<br>appr. (mm) | Total weight<br>appr. (kg/km) | Standard length-<br>s/packing (m) |
|-----------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------------------|------------------------------------|----------------------------------|------------------------------|-------------------------------|-----------------------------------|
| 3 x 35 RM / 16                                                                                | 0.24                              | 0.524                                   | 181                                | 178                              | 47.0                         | 2380                          | 500 T, 1000 T                     |
| 3 x 50 RM / 16                                                                                | 0.26                              | 0.387                                   | 213                                | 213                              | 50.0                         | 3300                          | 500 T, 1000 T                     |
| 3 x 70 RM / 16                                                                                | 0.3                               | 0.268                                   | 261                                | 265                              | 54.0                         | 3350                          | 500 T                             |
| 3 x 95 RM / 16                                                                                | 0.31                              | 0.193                                   | 312                                | 322                              | 58.0                         | 4200                          | 500 T                             |
| 3 x 120 RM / 16                                                                               | 0.34                              | 0.153                                   | 355                                | 370                              | 62.0                         | 5050                          | 500 T                             |
| 3 x 150 RM / 25                                                                               | 0.39                              | 0.124                                   | 399                                | 420                              | 67.0                         | 6000                          | 500 T                             |
| 3 x 185 RM / 25                                                                               | 0.42                              | 0.099                                   | 451                                | 481                              | 69.0                         | 7200                          | 500 T                             |
| 3 x 240 RM / 25                                                                               | 0.47                              | 0.075                                   | 523                                | 566                              | 77.0                         | 11550                         | 500 T                             |

**CONTACT PERSON**

**Dogan Özcan, MSc**  
Head of Technical Department  
+43 (0) 1 70170-154  
dogan.oezcan@skw.at

