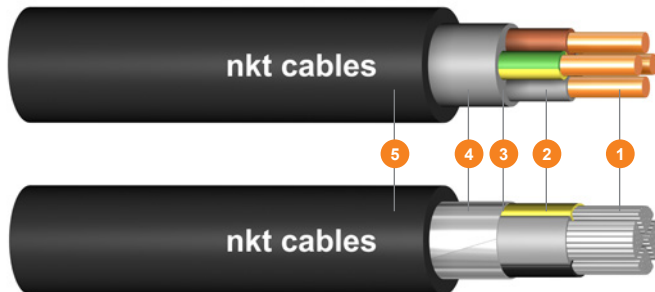


## Kraftkabel 1 kV

Power cable 1 kV



**Standard**  
Standard

SS 424 14 18, HD 603-50

### Konstruktion

Construction

- 1** Ledare: glöddgad koppar eller aluminium enligt IEC 60228  
 N1XE-U 10 mm<sup>2</sup>: rund, solid koppar  
 N1XE-R 16 mm<sup>2</sup>: rund, fåtrådig koppar  
 N1XE-AR 16-50 mm<sup>2</sup>: rund, fåtrådig aluminium  
 N1XE-AS 95-240 mm<sup>2</sup>: sektorformad, fåtrådig aluminium  
*Conductor: annealed copper or aluminium according to IEC 60228*  
 N1XE-U 10 mm<sup>2</sup>: round, solid copper  
 N1XE-R 16 mm<sup>2</sup>: round, stranded copper  
 N1XE-AR 16-50 mm<sup>2</sup>: round, stranded aluminium  
 N1XE-AS 95-240 mm<sup>2</sup>: sector shaped, stranded aluminium
- 2** Isolering: PEX  
 Partfärger: 4-ledare: gul/grön, brun, svart, grå. 5-ledare: gul/grön, blå, brun, svart, grå  
*Insulation: XLPE*  
*Colour identification: 4-core: yellow/green, brown, black, grey 5-core: yellow/green, blue, brown, black, grey*
- 3** ≤16 mm<sup>2</sup>: fyllnad  
 ≥25 mm<sup>2</sup>: band  
 ≤16 mm<sup>2</sup>: filler  
 ≥25 mm<sup>2</sup>: tape
- 4** Rivtråd för enkel mantelskalning  
*Rip yarn for easy stripping of the sheath*
- 5** Mantel: svart eller gul polyeten. Märkning exempel: SE-N1XE-U 4G10 0,6/1 kV samt metermärkning  
*Sheath: black or yellow polyethylene. Example of marking: SE-N1XE-U 4G10 0,6/1 kV and meter marking*

### Användning

Application

Kablar enligt denna standard är avsedda för fast förläggning i mark, vatten och rör. Kablarna är flexibla vilket gör dem montagevänliga även vid låga temperaturer. De är även lämpliga för nedplöjning.  
*Cables according to this standard are intended for permanent installation in ground, water and in pipes. The cables are flexible which makes them easy to handle even at low temperatures. They are also suitable for plowing.*

### Egenskaper

Properties

|  |  |   |                |
|--|--|---|----------------|
| Märkspänning<br><i>Rated voltage</i>   | 0,6/1 kV   | Brandklass<br><i>Fire classification</i>              | F1             |
| Maximal kortslutningstemperatur<br><i>Maximum short circuit temperature</i>            | 250°C  | CE  | LVD 2014/35/EU |
| Lägsta installationstemperatur<br><i>Minimum temperature during installation</i>       | -10°C  | RoHS  | 2011/65/EU     |
| Maximal ledartemperatur vid kontinuerlig drift<br><i>Maximum conductor temperature</i> | 90°C   | REACH   | 2006/121/EC    |
| Högsta tillåtna dragkraft vid utdragning<br><i>Maximum pulling force</i>               | Aluminiumledare: 30 N/mm <sup>2</sup><br><i>Aluminium conductor: 30 N/mm<sup>2</sup></i><br>Kopparledare: 50 N/mm <sup>2</sup><br><i>Copper conductor: 50 N/mm<sup>2</sup></i> | Minsta böjningsradie<br><i>Minimum bending radius</i> | 8xD            |

## Tekniska data

Technical data

| Produkt<br>Product | Ledarantal x<br>area (mm <sup>2</sup> )<br>No. of cores and<br>cross-section | E-nr      | Förpackning/<br>leveranslängd/<br>trumstorlek<br>Packaging/length/<br>drum size | Diameter nominell<br>Nominal diameter |                                 |                          | Ca vikt<br>Cables mass<br>approx<br>(kg/km) | Resistans<br>Resistance<br>(Ω/km) |
|--------------------|--|-----------|---|---------------------------------------|---------------------------------|--------------------------|---|-----------------------------------|
|                    |  |           |   | Ledare<br>Conductor<br>(mm)           | Isolering<br>Insulation<br>(mm) | Mantel<br>Sheath<br>(mm) |   |                                   |
| SE-N1XE-U          | 4G10   | 00 073 15 | Trumma 500 (K9)   | 3,5                                   | 5,0                             | 16,8                     | 561   | 1,83                              |
| SE-N1XE-U          | 4G10 (gul)   | 00 072 45 | Trumma 500 (K9)   | 3,5                                   | 5,0                             | 17,7                     | 556   | 1,83                              |
| SE-N1XE-U          | 5G10   | 00 073 35 | Trumma 500 (K10)  | 3,5                                   | 5,0                             | 18,8                     | 689   | 1,83                              |
| SE-N1XE-U          | 5G10 (gul)   | 00 072 65 | Trumma 500 (K10)  | 3,5                                   | 5,0                             | 18,7                     | 693   | 1,83                              |
| SE-N1XE-R          | 4G16   | 00 073 25 | Trumma 500 (K11)  | 4,7                                   | 6,1                             | 20,3                     | 841   | 1,15                              |
| SE-N1XE-R          | 4G16 (gul)   | 00 072 55 | Trumma 500 (K11)  | 4,7                                   | 6,1                             | 20,3                     | 867   | 1,15                              |
| SE-N1XE-R          | 5G16   | 00 073 45 | Trumma 500 (K11)  | 4,7                                   | 6,1                             | 21,9                     | 1.057                                       | 1,15                              |
| SE-N1XE-R          | 5G16 (gul)   | 00 072 75 | Trumma 500 (K11)  | 4,7                                   | 6,1                             | 21,9                     | 1.060                                       | 1,15                              |
| N1XE-AR            | 4G16   | 00 072 95 | Trumma 500 (K11)  | 4,7                                   | 6,1                             | 18,8                     | 320   | 1,91                              |
| N1XE-AR            | 4G16 (gul)   | 00 079 15 | Trumma 500 (K11)  | 4,7                                   | 6,1                             | 18,8                     | 316   | 1,91                              |
| N1XE-AR            | 5G16   | 00 073 05 | Trumma 500 (K11)  | 4,7                                   | 6,1                             | 20,7                     | 376   | 1,91                              |
| N1XE-AR            | 5G16 (gul)   | 00 079 35 | Trumma 500 (K11)  | 4,7                                   | 6,1                             | 20,7                     | 372   | 1,91                              |
| N1XE-AR            | 4G25   | 00 073 55 | Trumma 500 (K10)  | 5,9                                   | 7,7                             | 22,9                     | 495   | 1,20                              |
| N1XE-AR            | 4G25 (gul)   | 00 072 85 | Trumma 500 (K10)  | 5,9                                   | 7,7                             | 22,9                     | 495   | 1,20                              |
| N1XE-AR            | 5G25   | 00 076 05 | Trumma 500 (K12)  | 5,9                                   | 7,7                             | 25,6                     | 644   | 1,20                              |
| SE-N1XE-AR         | 4G50   | 00 073 65 | Trumma 500 (K12)  | 7,9                                   | 9,9                             | 27,5                     | 740   | 0,641                             |
| SE-N1XE-AS         | 4G95   | 00 073 75 | Trumma 500 (K14)  | -                                     | -                               | 35,0                     | 1.466                                       | 0,320                             |
| SE-N1XE-AS         | 4G150  | 00 073 85 | Trumma 500 (K18)  | -                                     | -                               | 41,2                     | 2.152                                       | 0,206                             |
| SE-N1XE-AS         | 4G240  | 00 073 95 | Trumma 500 (K22)  | -                                     | -                               | 52,9                     | 3.548                                       | 0,125                             |