



# N2XY

Niederspannungskabel

No image available

## TECHNICAL DATA

Bending radius (mm)

15/12xD

Colour of sheath

black

CPR class

Eca

Insulation

XLPE

Maximal short-circuit temperature (°C)

250

Minimal temperature for laying (°C)

-5

Packaging

cable drums

RoHS/REACH

yes/yes

Sheath

PVC

Colour of insulation

HD 308 S2

Conductor

CU

CUScreen

No

Maximal operating conductor temperature (°C)

90

Minimal storage temperature (°C)

-35

Operating temperature range (°C)

-35-+90

Rated voltage (kV)

0.6/1

Self-extinguishing of single cable

IEC 60332-1-2

Test voltage (kV)

4

**N2XY****CROSS-SECTION DATA — 0.6/1 kV**

|                                       |                                            |                                           |
|---------------------------------------|--------------------------------------------|-------------------------------------------|
| Voltage<br>0.6/1 kV                   | Test voltage<br>4 kV                       | Operating temperature range<br>-35-+90 °C |
| Conductor temperature (max.)<br>90 °C | Short-circuit temperature (max.)<br>250 °C | Minimum laying temperature<br>-5 °C       |
| Minimum storage temperature<br>-35 °C | CPR class<br>Eca                           | Flame retardant<br>IEC 60332-1-2          |

| Designation | Cond. | DI [mm] | RI [Ohm/km] | Wi [mm] | Wm [mm] | Rbv [mm] | Ø [mm] | G [kg/km] |
|-------------|-------|---------|-------------|---------|---------|----------|--------|-----------|
| 1x10        | Cu    | ~5.4    | 1.83        | 0.7     | 1.8     | 12xD     | 9      | 166       |
| 1x16        | Cu    | ~6.4    | 1.15        | 0.7     | 1.8     | 12xD     | 10     | 229       |
| 1x25        | Cu    | ~8.4    | 0.727       | 0.9     | 1.8     | 12xD     | 12     | 336       |
| 1x35        | Cu    | ~9.4    | 0.524       | 0.9     | 1.8     | 12xD     | 13     | 436       |
| 1x50        | Cu    | ~10.4   | 0.387       | 1       | 1.8     | 12xD     | 14     | 562       |
| 1x70        | Cu    | ~12.4   | 0.268       | 1.1     | 1.8     | 12xD     | 16     | 774       |
| 1x95        | Cu    | ~14.4   | 0.193       | 1.1     | 1.8     | 12xD     | 18     | 1027      |
| 1x120       | Cu    | ~16.4   | 0.153       | 1.2     | 1.8     | 12xD     | 20     | 1267      |
| 1x150       | Cu    | ~18.4   | 0.124       | 1.4     | 1.8     | 12xD     | 22     | 1555      |
| 1x185       | Cu    | ~20.4   | 0.0991      | 1.6     | 1.8     | 12xD     | 24     | 1922      |
| 1x240       | Cu    | ~22.4   | 0.0754      | 1.7     | 1.8     | 12xD     | 26     | 2471      |
| 1x300       | Cu    | ~25.4   | 0.0601      | 1.8     | 1.8     | 12xD     | 29     | 3055      |
| 1x400       | Cu    | ~28.2   | 0.047       | 2       | 1.9     | 12xD     | 32     | 3880      |
| 1x500       | Cu    | ~32     | 0.0366      | 2.2     | 2       | 12xD     | 36     | 4938      |
| 3x10        | Cu    | ~13.4   | 1.83        | 0.7     | 1.8     | 12xD     | 17     | 581       |
| 3x16        | Cu    | ~15.4   | 1.15        | 0.7     | 1.8     | 12xD     | 19     | 800       |
| 3x25        | Cu    | ~19.4   | 0.727       | 0.9     | 1.8     | 12xD     | 23     | 1193      |
| 3x35        | Cu    | ~22.4   | 0.524       | 0.9     | 1.8     | 12xD     | 26     | 1553      |
| 3x50        | Cu    | ~22.4   | 0.387       | 1       | 1.8     | 12xD     | 26     | 1815      |
| 3x70        | Cu    | ~26.2   | 0.268       | 1.1     | 1.9     | 12xD     | 30     | 2519      |
| 3x95        | Cu    | ~29     | 0.193       | 1.1     | 2       | 12xD     | 33     | 3319      |
| 3x120       | Cu    | ~32.8   | 0.153       | 1.2     | 2.1     | 12xD     | 37     | 4089      |
| 3x150       | Cu    | ~36.4   | 0.124       | 1.4     | 2.3     | 12xD     | 41     | 5077      |
| 3x185       | Cu    | ~40.2   | 0.0991      | 1.6     | 2.4     | 12xD     | 45     | 6233      |
| 3x240       | Cu    | ~45.8   | 0.0754      | 1.7     | 2.6     | 12xD     | 51     | 8067      |
| 3x25+16     | Cu    | ~20.4   | 0.727       | 0.9/0.7 | 1.8     | 12xD     | 24     | 1357      |
| 3x35+16     | Cu    | ~22.4   | 0.524       | 0.9/0.7 | 1.8     | 12xD     | 26     | 1658      |
| 3x50+25     | Cu    | ~25.4   | 0.387       | 1.0/0.9 | 1.8     | 12xD     | 29     | 2170      |
| 3x70+35     | Cu    | ~28.2   | 0.268       | 1.1/0.9 | 1.9     | 12xD     | 32     | 2932      |



## N2XY

| Designation | Cond. | DI [mm] | RI [Ohm/km] | Wi [mm] | Wm [mm] | Rbv [mm] | Ø [mm] | G [kg/km] |
|-------------|-------|---------|-------------|---------|---------|----------|--------|-----------|
| 3x95+50     | Cu    | ~32.8   | 0.193       | 1.1/1.0 | 2.1     | 12xD     | 37     | 3897      |
| 3x120+70    | Cu    | ~35.6   | 0.153       | 1.2/1.1 | 2.2     | 12xD     | 40     | 4865      |
| 3x150+70    | Cu    | ~40.4   | 0.124       | 1.4/1.1 | 2.3     | 12xD     | 45     | 5862      |
| 3x185+95    | Cu    | ~44     | 0.0991      | 1.6/1.1 | 2.5     | 12xD     | 49     | 7293      |
| 3x240+120   | Cu    | ~50.6   | 0.0754      | 1.7/1.2 | 2.7     | 12xD     | 56     | 9407      |
| 4x10        | Cu    | ~14.4   | 1.83        | 0.7     | 1.8     | 12xD     | 18     | 698       |
| 4x16        | Cu    | ~17.4   | 1.15        | 0.7     | 1.8     | 12xD     | 21     | 974       |
| 4x16        | Cu    | ~17.4   | 1.15        | 0.7     | 1.8     | 12xD     | 21     | 995       |
| 4x25        | Cu    | ~21.4   | 0.727       | 0.9     | 1.8     | 12xD     | 25     | 1469      |
| 4x35        | Cu    | ~22.4   | 0.524       | 0.9     | 1.8     | 12xD     | 26     | 1818      |
| 4x50        | Cu    | ~25.2   | 0.387       | 1       | 1.9     | 12xD     | 29     | 2354      |
| 4x70        | Cu    | ~29     | 0.268       | 1.1     | 2       | 12xD     | 33     | 3268      |
| 4x95        | Cu    | ~32.8   | 0.193       | 1.1     | 2.1     | 12xD     | 37     | 4341      |
| 4x120       | Cu    | ~36.4   | 0.153       | 1.2     | 2.3     | 12xD     | 41     | 5429      |
| 4x150       | Cu    | ~41.2   | 0.124       | 1.4     | 2.4     | 12xD     | 46     | 6637      |
| 4x185       | Cu    | ~45.8   | 0.0991      | 1.6     | 2.6     | 12xD     | 51     | 8188      |
| 4x240       | Cu    | ~51.4   | 0.0754      | 1.7     | 2.8     | 12xD     | 57     | 10609     |
| 5x10        | Cu    | ~16.4   | 1.83        | 0.7     | 1.8     | 12xD     | 20     | 829       |
| 5x16        | Cu    | ~18.4   | 1.15        | 0.7     | 1.8     | 12xD     | 22     | 1169      |
| 5x16        | Cu    | ~19.4   | 1.15        | 0.7     | 1.8     | 12xD     | 23     | 1188      |
| 5x25        | Cu    | ~23.4   | 0.727       | 0.9     | 1.8     | 12xD     | 27     | 1795      |
| 5x35        | Cu    | ~27.4   | 0.524       | 0.9     | 1.8     | 12xD     | 31     | 2363      |
| 5x50        | Cu    | ~31     | 0.387       | 1       | 2       | 12xD     | 35     | 3154      |
| 5x70        | Cu    | ~33.8   | 0.268       | 1.1     | 2.1     | 12xD     | 38     | 4146      |
| 5x95        | Cu    | ~37.4   | 0.193       | 1.1     | 2.3     | 12xD     | 42     | 5516      |
| 5x120       | Cu    | ~42.2   | 0.153       | 1.2     | 2.4     | 12xD     | 47     | 6805      |