

■ N2XBY 0,6 - 1 kV / CU/XLPE/DSTA/PVC

0.6/1 kV XLPE insulated, double steel tape armoured, multi-core cables with copper conductor

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: IEC 60502 - 1, VDE 0276 - 603

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage Min. : 0.6/1 kV
 bending radius D : 15 x D
 : Cable outer diameter

Application

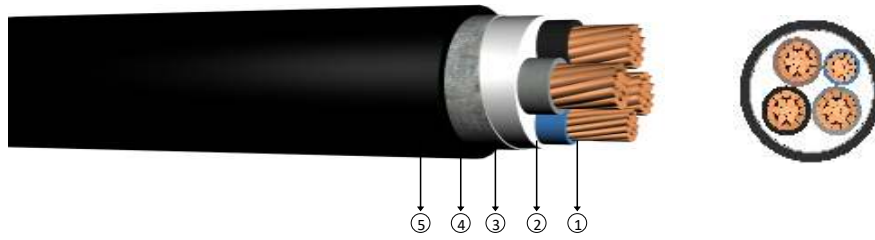
These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

Construction

- 1 Solid or stranded copper conductor
- 2 XLPE insulation
- 3 Filler
- 4 Galvanized double steel tape
- 5 PVC outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|-----------------------|---------------------------|---------------------|-----------------------|--------------------------------------|-------------------------------|-----------------|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm ² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 3x1.5 | 14.0 | 300 | 1000 | 12.1 | 30 | 24 |
| 3x2.5 | 13.5 | 350 | 1000 | 7.41 | 40 | 32 |
| 3x4 | 14.5 | 430 | 1000 | 4.61 | 52 | 42 |
| 3x6 | 15.5 | 520 | 1000 | 3.08 | 64 | 53 |
| 3x10 | 18.5 | 730 | 1000 | 1.83 | 86 | 73 |
| 3x16 | 20.5 | 950 | 1000 | 1.15 | 111 | 96 |
| 3x25 | 24.0 | 1400 | 1000 | 0.727 | 143 | 130 |
| 3x35 | 26.0 | 1750 | 1000 | 0.524 | 173 | 160 |
| 3x50 | 29.0 | 2250 | 1000 | 0.387 | 205 | 195 |
| 3x70 | 33.5 | 3100 | 1000 | 0.268 | 252 | 247 |
| 3x95 | 37.5 | 4050 | 1000 | 0.193 | 303 | 305 |
| 3x120 | 42.0 | 5300 | 500 | 0.153 | 346 | 355 |
| 3x150 | 47.0 | 6500 | 500 | 1.124 | 390 | 407 |
| 3x185 | 51.5 | 7900 | 500 | 0.0991 | 441 | 469 |
| 3x240 | 58.0 | 10100 | 250 | 0.0754 | 511 | 551 |
| 3x300 | 65.5 | 12450 | 250 | 0.0601 | 580 | 638 |
| 3x400 | 73.5 | 16100 | 250 | 0.0470 | 663 | 746 |

Note : Current carrying capacities are valid under the following conditions;
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor
 In air : 0.7 : 30 °C, load factor 1.0
 Number of system : 1



■ **N2XBY 0,6 - 1 kV / CU/XLPE/DSTA/PVC**

0.6/1 kV XLPE insulated, double steel tape armoured, multi-core cables with copper conductor

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: IEC 60502 - 1, VDE 0276 - 603

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage Min. : 0.6/1 kV
 bending radius D : 15 x D
 : Cable outer diameter

Application

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

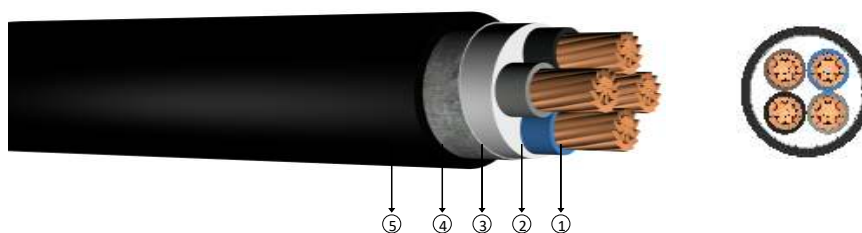
Construction

- 1 Solid or stranded copper conductor
- 2 XLPE insulation
- 3 Filler
- 4 Galvanized double steel tape
- 5 PVC outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|-----------------------|---------------------------|---------------------|-----------------------|--------------------------------------|-------------------------------|-----------------|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm ² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 3x16+10 | 21.5 | 1100 | 1000 | 1.15 | 111 | 96 |
| 3x25+16 | 25.0 | 1550 | 1000 | 0.727 | 143 | 130 |
| 3x35+16 | 26.5 | 1900 | 1000 | 0.524 | 173 | 160 |
| 3x50+25 | 30.5 | 2550 | 1000 | 0.387 | 205 | 195 |
| 3x70+35 | 34.5 | 3500 | 1000 | 0.268 | 252 | 247 |
| 3x95+50 | 39.5 | 4800 | 1000 | 0.193 | 303 | 305 |
| 3x120+70 | 44.5 | 6050 | 500 | 0.153 | 346 | 355 |
| 3x150+70 | 48.0 | 7150 | 500 | 0.124 | 390 | 407 |
| 3x185+95 | 53.5 | 8850 | 500 | 0.0991 | 441 | 469 |
| 3x240+120 | 60.0 | 11250 | 250 | 0.0754 | 511 | 551 |
| 3x300+150 | 67.0 | 13800 | 250 | 0.0601 | 580 | 638 |
| 3x400+185 | 75.0 | 17700 | 250 | 0.0470 | 663 | 746 |

Note : Current carrying capacities are valid under the following conditions;
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
 Number of system : 1

- Die obigen Werte entsprechen den Angaben des Herstellers und können nicht garantiert werden.
- Wir behalten uns das Recht vor, Änderungen ohne vorherige Ankündigung vorzunehmen.
- Alle anderen Größen oder andere Ausführungen auf Anfrage
- The above values correspond to the manufacturer's specifications and are not guaranteed.
- We reserve the right to change details without notice.
- Any other sizes or any other designs available on request.



■ N2XBY 0,6 - 1 kV / CU/XLPE/DSTA/PVC

0.6/1 kV XLPE insulated, double steel tape armoured, multi-core cables with copper conductor

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: IEC 60502 - 1, VDE 0276 - 603

Technical Data

Max. operating temperature : 90 °C
 Max. short circuit temperature : 250 °C (max. 5 sec.)
 Rated voltage Min. : 0.6/1 kV
 bending radius D : 15 x D
 : Cable outer diameter

Application

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is risk of mechanical damage.

Construction

- ① Solid or stranded copper conductor
- ② XLPE insulation
- ③ Filler
- ④ Galvanized double steel tape
- ⑤ PVC outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|-----------------------|---------------------------|---------------------|-----------------------|--------------------------------------|-------------------------------|-----------------|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm ² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 4x1.5 | 13.5 | 330 | 1000 | 12.1 | 30 | 24 |
| 4x2.5 | 14.5 | 400 | 1000 | 7.41 | 40 | 32 |
| 4x4 | 15.5 | 500 | 1000 | 4.61 | 52 | 42 |
| 4x6 | 17.0 | 600 | 1000 | 3.08 | 64 | 53 |
| 4x10 | 19.5 | 900 | 1000 | 1.83 | 86 | 73 |
| 4x16 | 22.0 | 1150 | 1000 | 1.15 | 111 | 96 |
| 4x25 | 26.0 | 1700 | 1000 | 0.727 | 143 | 130 |
| 4x35 | 28.0 | 2150 | 1000 | 0.524 | 173 | 160 |
| 4x50 | 31.5 | 2850 | 1000 | 0.387 | 205 | 195 |
| 4x70 | 37.0 | 3950 | 1000 | 0.268 | 252 | 247 |
| 4x95 | 42.0 | 5400 | 500 | 0.193 | 303 | 305 |
| 4x120 | 47.0 | 6750 | 500 | 0.153 | 346 | 355 |
| 4x150 | 51.5 | 8200 | 500 | 1.124 | 390 | 407 |
| 4x185 | 57.0 | 10000 | 250 | 0.0991 | 441 | 469 |
| 4x240 | 64.5 | 12800 | 250 | 0.0754 | 511 | 551 |
| 4x300 | 72.5 | 15800 | 250 | 0.0601 | 580 | 638 |
| 4x400 | 82.0 | 20600 | 250 | 0.0470 | 663 | 746 |

Note : Current carrying capacities are valid under the following conditions;
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7 : 30 °C, load factor 1.0
 In air : 30 °C, load factor 1.0
 Number of system : 1