



N2XS2Y

Mittelspannungskabel

No image available

TECHNICAL DATA

| | | | |
|---|-----------------------|---|---------|
| Al Foil | No | CE-Conformity | yes |
| Colour of insulation | uncoloured | Colour of sheath | black |
| Conductive tape below screen | Yes | Conductor | Copper |
| Copper wire screen and tape | Yes | CPR class | Fca |
| Flame retardant | no | Insulation | XLPE |
| Maximal operating conductor temperature (°C) | +90 | Maximal short-circuit temperature (°C) | +250 |
| Minimal storage temperature (°C) | -35 | Minimal temperature for laying (°C) | -20 |
| Non conducting tape above screen | Yes | Operating temperature range (°C) | -35-+90 |
| Packaging | wooden or metal drums | Sheath | PE |



N2XS2Y

CROSS-SECTION DATA — 6/10 kV

| | | |
|---|--|---|
| Voltage 6/10 kV | Test voltage 21 kV | Operating temperature range -35+90 °C |
| Conductor temperature (max.) +90 °C | Short-circuit temperature (max.) +250 °C | Minimum laying temperature -20 °C |
| Minimum storage temperature -35 °C | CPR class Fca | Flame retardant no |

| Designation | Cond. | C [uF/km] | DI [mm] | RI [Ohm/km] | Wi [mm] | Ibl [A] | Ibe [A] | Ik [kA] | Wm [mm] | Rbv [mm] | Ø [mm] | G [kg/km] |
|-------------|-------|-----------|---------|-------------|---------|---------|---------|---------|---------|----------|--------|-----------|
| 1x35/16 | Cu | 0.22 | 15.3 | 0.524 | 3.4 | 197 | 187 | 5 | 2.1 | 360 | 24 | 803 |
| 1x50/16 | Cu | 0.24 | 16.3 | 0.387 | 3.4 | 238 | 220 | 7.1 | 2.1 | 375 | 25 | 928 |
| 1x70/16 | Cu | 0.28 | 17.9 | 0.268 | 3.4 | 294 | 268 | 10 | 2.1 | 390 | 26 | 1154 |
| 1x95/16 | Cu | 0.3 | 19.4 | 0.193 | 3.4 | 358 | 320 | 13.6 | 2.1 | 420 | 28 | 1410 |
| 1x120/16 | Cu | 0.34 | 20.9 | 0.153 | 3.4 | 413 | 363 | 17.1 | 2.1 | 450 | 30 | 1682 |
| 1x150/25 | Cu | 0.36 | 22.3 | 0.124 | 3.4 | 468 | 405 | 21.4 | 2.1 | 465 | 31 | 2025 |
| 1x185/25 | Cu | 0.4 | 23.9 | 0.099 | 3.4 | 535 | 456 | 26.4 | 2.1 | 480 | 32 | 2383 |
| 1x240/25 | Cu | 0.44 | 26.4 | 0.075 | 3.4 | 631 | 526 | 34.3 | 2.1 | 525 | 35 | 2965 |
| 1x300/25 | Cu | 0.49 | 28.8 | 0.06 | 3.4 | 722 | 591 | 42.9 | 2.1 | 555 | 37 | 3624 |
| 1x400/35 | Cu | 0.54 | 31.4 | 0.047 | 3.4 | 827 | 662 | 57.2 | 2.1 | 600 | 40 | 4574 |
| 1x500/35 | Cu | 0.61 | 34.6 | 0.037 | 3.4 | 949 | 744 | 71.4 | 2.1 | 645 | 43 | 5597 |

CROSS-SECTION DATA — 12/20 kV

| | | |
|---|--|---|
| Voltage 12/20 kV | Test voltage 42 kV | Operating temperature range -35+90 °C |
| Conductor temperature (max.) +90 °C | Short-circuit temperature (max.) +250 °C | Minimum laying temperature -20 °C |
| Minimum storage temperature -35 °C | CPR class Fca | Flame retardant no |



N2XS2Y

| Designation | Cond. | C [uF/km] | DI [mm] | RI [Ohm/km] | Wi [mm] | Ibl [A] | Ibe [A] | Ik [kA] | Wm [mm] | Rbv [mm] | Ø [mm] | G [kg/km] |
|-------------|-------|-----------|---------|-------------|---------|---------|---------|---------|---------|----------|--------|-----------|
| 1x35/16 | Cu | 0.16 | 19.5 | 0.524 | 5.5 | 200 | 189 | 5 | 2.1 | 420 | 28 | 948 |
| 1x50/16 | Cu | 0.17 | 20.5 | 0.387 | 5.5 | 239 | 222 | 7.1 | 2.1 | 435 | 29 | 1078 |
| 1x70/16 | Cu | 0.19 | 22.1 | 0.268 | 5.5 | 297 | 271 | 10 | 2.1 | 465 | 31 | 1315 |
| 1x95/16 | Cu | 0.21 | 23.6 | 0.193 | 5.5 | 361 | 323 | 13.6 | 2.1 | 480 | 32 | 1579 |
| 1x120/16 | Cu | 0.23 | 25.1 | 0.153 | 5.5 | 416 | 367 | 17.1 | 2.1 | 510 | 34 | 1861 |
| 1x150/25 | Cu | 0.25 | 26.5 | 0.124 | 5.5 | 470 | 409 | 21.4 | 2.1 | 525 | 35 | 2212 |
| 1x185/25 | Cu | 0.27 | 28.1 | 0.099 | 5.5 | 538 | 461 | 26.4 | 2.1 | 555 | 37 | 2585 |
| 1x240/25 | Cu | 0.3 | 30.6 | 0.075 | 5.5 | 634 | 532 | 34.3 | 2.1 | 585 | 39 | 3181 |
| 1x300/25 | Cu | 0.33 | 33 | 0.06 | 5.5 | 724 | 599 | 42.9 | 2.1 | 630 | 42 | 3763 |
| 1x400/35 | Cu | 0.36 | 35.6 | 0.047 | 5.5 | 829 | 671 | 57.2 | 2.1 | 660 | 44 | 4795 |
| 1x500/35 | Cu | 0.43 | 38.8 | 0.037 | 5.5 | 953 | 754 | 71.4 | 2.1 | 705 | 47 | 5872 |

CROSS-SECTION DATA — 18/30 kV

| | | |
|---|--|---|
| Voltage 18/30 kV | Test voltage 63 kV | Operating temperature range -35+90 °C |
| Conductor temperature (max.) +90 °C | Short-circuit temperature (max.) +250 °C | Minimum laying temperature -20 °C |
| Minimum storage temperature -35 °C | CPR class Fca | Flame retardant no |

| Designation | Cond. | C [uF/km] | DI [mm] | RI [Ohm/km] | Wi [mm] | Ibl [A] | Ibe [A] | Ik [kA] | Wm [mm] | Rbv [mm] | Ø [mm] | G [kg/km] |
|-------------|-------|-----------|---------|-------------|---------|---------|---------|---------|---------|----------|--------|-----------|
| 1x50/16 | Cu | 0.13 | 25.5 | 0.387 | 8 | 241 | 225 | 7.1 | 2.1 | 510 | 34 | 1292 |
| 1x70/16 | Cu | 0.15 | 27.1 | 0.268 | 8 | 299 | 274 | 10 | 2.1 | 540 | 36 | 1542 |
| 1x95/16 | Cu | 0.16 | 28.6 | 0.193 | 8 | 363 | 327 | 13.6 | 2.1 | 555 | 37 | 1817 |
| 1x120/16 | Cu | 0.17 | 30.1 | 0.153 | 8 | 418 | 371 | 17.1 | 2.1 | 585 | 39 | 2110 |
| 1x150/25 | Cu | 0.19 | 31.5 | 0.124 | 8 | 472 | 414 | 21.4 | 2.1 | 600 | 40 | 2473 |
| 1x185/25 | Cu | 0.2 | 33.1 | 0.099 | 8 | 539 | 466 | 26.4 | 2.1 | 630 | 42 | 2853 |
| 1x240/25 | Cu | 0.22 | 35.6 | 0.075 | 8 | 635 | 539 | 34.3 | 2.1 | 660 | 44 | 3467 |
| 1x300/25 | Cu | 0.24 | 38 | 0.06 | 8 | 725 | 606 | 42.9 | 2.1 | 705 | 47 | 4164 |
| 1x400/35 | Cu | 0.26 | 40.6 | 0.047 | 8 | 831 | 680 | 57.2 | 2.1 | 735 | 49 | 5131 |
| 1x500/35 | Cu | 0.29 | 43.8 | 0.037 | 8 | 953 | 765 | 71.4 | 2.4 | 795 | 53 | 6234 |