



NA2XS2Y

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 | Aluminum |
| 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 |

**NA2XS2Y****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 | Al | 0.22 | 15.3 | 0.868 | 3.4 | 153 | 145 | 3.3 | 2.1 | 345 | 23 | 563 |
| 1x50/16 | Al | 0.25 | 16.4 | 0.641 | 3.4 | 183 | 171 | 4.7 | 2.1 | 375 | 25 | 624 |
| 1x70/16 | Al | 0.28 | 17.9 | 0.443 | 3.4 | 228 | 208 | 6.6 | 2.1 | 390 | 26 | 707 |
| 1x95/16 | Al | 0.31 | 19.4 | 0.32 | 3.4 | 278 | 248 | 9 | 2.1 | 420 | 28 | 808 |
| 1x120/16 | Al | 0.34 | 20.9 | 0.253 | 3.4 | 321 | 283 | 11.3 | 2.1 | 435 | 29 | 905 |
| 1x150/25 | Al | 0.36 | 22.3 | 0.206 | 3.4 | 364 | 315 | 14.2 | 2.1 | 450 | 30 | 1085 |
| 1x185/25 | Al | 0.4 | 23.9 | 0.164 | 3.4 | 418 | 357 | 17.5 | 2.1 | 480 | 32 | 1226 |
| 1x240/25 | Al | 0.44 | 26.2 | 0.125 | 3.4 | 494 | 413 | 22.7 | 2.1 | 510 | 34 | 1423 |
| 1x300/25 | Al | 0.48 | 28.3 | 0.1 | 3.4 | 568 | 466 | 28.4 | 2.1 | 555 | 37 | 1666 |
| 1x400/35 | Al | 0.54 | 31.4 | 0.0778 | 3.4 | 660 | 529 | 37.8 | 2.1 | 600 | 40 | 2082 |
| 1x500/35 | Al | 0.61 | 34.6 | 0.0605 | 3.4 | 767 | 602 | 47.3 | 2.1 | 645 | 43 | 2447 |
| 1x630/35 | Al | 0.66 | 38 | 0.0469 | 3.4 | 855 | 685 | 59.6 | 2.1 | 690 | 46 | 2909 |
| 1x800/35 | Al | 0.76 | 42.3 | 0.0367 | 3.4 | 968 | 764 | 75.6 | 2.4 | 765 | 51 | 3520 |
| 1x1000/35 | Al | 0.84 | 46.2 | 0.0291 | 3.4 | 1187 | 852 | 94 | 2.4 | 855 | 57 | 4422 |

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 |



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| Designation | Cond. | C [uF/km] | DI [mm] | RI [Ohm/km] | Wi [mm] | l _{bl} [A] | l _{be} [A] | l _k [kA] | W _m [mm] | R _{bv} [mm] | Ø [mm] | G [kg/km] |
|-------------|-------|-----------|---------|-------------|---------|---------------------|---------------------|---------------------|---------------------|----------------------|--------|-----------|
| 1x50/16 | Al | 0.17 | 20.6 | 0.641 | 5.5 | 185 | 172 | 4.7 | 2.1 | 435 | 29 | 795 |
| 1x70/16 | Al | 0.19 | 22.1 | 0.443 | 5.5 | 231 | 210 | 6.6 | 2.1 | 465 | 31 | 888 |
| 1x95/16 | Al | 0.21 | 23.6 | 0.32 | 5.5 | 280 | 251 | 9 | 2.1 | 480 | 32 | 999 |
| 1x120/16 | Al | 0.23 | 25.1 | 0.253 | 5.5 | 323 | 285 | 11.3 | 2.1 | 510 | 34 | 1108 |
| 1x150/25 | Al | 0.25 | 26.5 | 0.206 | 5.5 | 366 | 319 | 14.2 | 2.1 | 525 | 35 | 1301 |
| 1x185/25 | Al | 0.27 | 28.1 | 0.164 | 5.5 | 420 | 361 | 17.5 | 2.1 | 555 | 37 | 1452 |
| 1x240/25 | Al | 0.3 | 30.4 | 0.125 | 5.5 | 496 | 417 | 22.7 | 2.1 | 585 | 39 | 1671 |
| 1x300/25 | Al | 0.32 | 32.5 | 0.1 | 5.5 | 569 | 471 | 28.4 | 2.1 | 615 | 41 | 1893 |
| 1x400/35 | Al | 0.36 | 35.6 | 0.078 | 5.5 | 660 | 535 | 37.8 | 2.1 | 660 | 44 | 2357 |
| 1x500/35 | Al | 0.4 | 38.8 | 0.061 | 5.5 | 766 | 609 | 47.3 | 2.1 | 705 | 47 | 2757 |
| 1x630/35 | Al | 0.44 | 42.2 | 0.047 | 5.5 | 861 | 690 | 59.6 | 2.4 | 765 | 51 | 3227 |
| 1x800/35 | Al | 0.49 | 46.5 | 0.037 | 5.5 | 976 | 764 | 75.6 | 2.4 | 840 | 56 | 3856 |
| 1x1000/35 | Al | 0.55 | 50.4 | 0.0291 | 5.5 | 1187 | 863 | 94 | 2.4 | 915 | 61 | 4824 |

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] | l _{bl} [A] | l _{be} [A] | l _k [kA] | W _m [mm] | R _{bv} [mm] | Ø [mm] | G [kg/km] |
|-------------|-------|-----------|---------|-------------|---------|---------------------|---------------------|---------------------|---------------------|----------------------|--------|-----------|
| 1x50/16 | Al | 0.13 | 25.6 | 0.641 | 8 | 187 | 174 | 4.7 | 2.1 | 510 | 34 | 1009 |
| 1x70/16 | Al | 0.15 | 27.1 | 0.443 | 8 | 232 | 213 | 6.6 | 2.1 | 540 | 36 | 1115 |
| 1x95/16 | Al | 0.16 | 28.6 | 0.32 | 8 | 282 | 254 | 9 | 2.1 | 555 | 37 | 1237 |
| 1x120/16 | Al | 0.17 | 30.1 | 0.253 | 8 | 325 | 289 | 11.3 | 2.1 | 585 | 39 | 1357 |
| 1x150/25 | Al | 0.19 | 31.5 | 0.206 | 8 | 367 | 322 | 14.2 | 2.1 | 600 | 40 | 1561 |
| 1x185/25 | Al | 0.2 | 33.1 | 0.164 | 8 | 421 | 364 | 17.5 | 2.1 | 630 | 42 | 1721 |
| 1x240/25 | Al | 0.22 | 35.4 | 0.125 | 8 | 496 | 422 | 22.7 | 2.1 | 660 | 44 | 1956 |
| 1x300/25 | Al | 0.24 | 37.5 | 0.1 | 8 | 568 | 476 | 28.4 | 2.1 | 690 | 46 | 2203 |
| 1x400/35 | Al | 0.26 | 40.6 | 0.078 | 8 | 659 | 541 | 37.8 | 2.1 | 735 | 49 | 2693 |
| 1x500/35 | Al | 0.29 | 43.8 | 0.061 | 8 | 764 | 616 | 47.3 | 2.4 | 795 | 53 | 3119 |
| 1x630/35 | Al | 0.32 | 47.2 | 0.047 | 8 | 861 | 690 | 59.6 | 2.4 | 840 | 56 | 3617 |
| 1x800/35 | Al | 0.36 | 51.5 | 0.037 | 8 | 984 | 770 | 75.6 | 2.4 | 915 | 61 | 4300 |



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| 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] |
|-------------|-------|-----------|---------|-------------|---------|---------|---------|---------|---------|----------|--------|-----------|
| 1x1000/35 | Al | 0.39 | 55.4 | 0.0291 | 8 | 1196 | 878 | 94 | 2.4 | 1005 | 67 | 5326 |