

NA2XSKY 1 x (25-630) mm² 3.6/6 kV

AI / XLPE/ CTS / PVC / LS / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

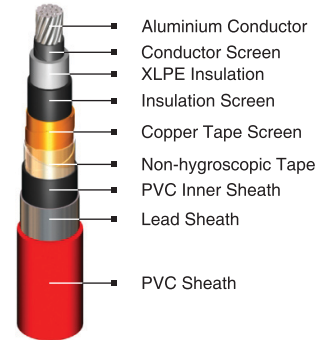
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 25 | 22.0 | 1,261 |
| 35 | 23.5 | 1,391 |
| 50 | 24.5 | 1,504 |
| 70 | 26.5 | 1,791 |
| 95 | 28.5 | 1,993 |
| 120 | 30.0 | 2,279 |
| 150 | 31.5 | 2,408 |
| 185 | 33.5 | 2,669 |
| 240 | 36.5 | 3,201 |
| 300 | 39.5 | 3,727 |
| 400 | 43.5 | 4,396 |
| 500 | 47.5 | 5,230 |
| 630 | 52.5 | 6,272 |

Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to occur.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

25 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 300 sqmm supplied in wooden drum @ 1000 m

400 - 630 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

| Conductor | | | Inductance | | Current - Carrying Capacity at 30° C * | | | | Short circuit current at 1 sec | |
|-------------------------------------|-----------------------|-----------------------|-------------------|----------------|--|-----------|--------|-----------|--------------------------------|--------|
| Nom. Cross Sect. (mm ²) | DC Resistance at 20°C | AC Resistance at 90°C | Trefoil formation | Flat formation | ⊗⊗⊗ | | ⊙⊙⊙ | | Conductor | Screen |
| | Max. (Ω/km) | Max. (Ω/km) | (mH/km) | (mH/km) | in air | in ground | in air | in ground | | |
| 25 | 1.20 | 1.539 | 0.450 | 0.496 | 131 | 119 | 135 | 122 | 2.35 | 1.14 |
| 35 | 0.868 | 1.113 | 0.426 | 0.472 | 160 | 142 | 164 | 146 | 3.29 | 1.14 |
| 50 | 0.641 | 0.822 | 0.408 | 0.454 | 191 | 167 | 196 | 172 | 4.70 | 1.14 |
| 70 | 0.443 | 0.568 | 0.385 | 0.432 | 240 | 205 | 246 | 211 | 6.58 | 1.14 |
| 95 | 0.320 | 0.411 | 0.368 | 0.414 | 291 | 245 | 299 | 252 | 8.93 | 1.14 |
| 120 | 0.253 | 0.325 | 0.357 | 0.403 | 337 | 279 | 346 | 286 | 11.28 | 1.14 |
| 150 | 0.206 | 0.265 | 0.346 | 0.392 | 380 | 312 | 390 | 319 | 14.10 | 1.14 |
| 185 | 0.164 | 0.211 | 0.335 | 0.381 | 438 | 353 | 450 | 362 | 17.39 | 1.14 |
| 240 | 0.125 | 0.161 | 0.328 | 0.374 | 520 | 409 | 533 | 418 | 22.56 | 1.14 |
| 300 | 0.100 | 0.130 | 0.322 | 0.369 | 596 | 460 | 610 | 470 | 28.20 | 1.14 |
| 400 | 0.0778 | 0.102 | 0.312 | 0.358 | 699 | 527 | 715 | 537 | 37.60 | 1.14 |
| 500 | 0.0605 | 0.080 | 0.308 | 0.354 | 811 | 598 | 826 | 607 | 47.00 | 1.14 |
| 630 | 0.0469 | 0.063 | 0.296 | 0.342 | 948 | 681 | 963 | 688 | 59.22 | 1.14 |

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NA2XSKY 1 x (25-630) mm² 6/10 kV

AI / XLPE/ CTS / PVC / LS / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, PVC Sheathed)

Standard Specification : IEC 60502-2

Construction Data

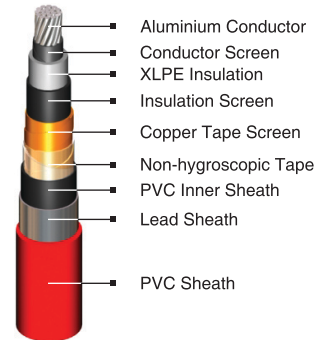
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 25 | 24.0 | 1,427 |
| 35 | 25.5 | 1,550 |
| 50 | 26.5 | 1,759 |
| 70 | 28.5 | 1,965 |
| 95 | 30.5 | 2,231 |
| 120 | 32.0 | 2,418 |
| 150 | 33.5 | 2,716 |
| 185 | 36.0 | 3,027 |
| 240 | 38.5 | 3,507 |
| 300 | 40.5 | 3,810 |
| 400 | 44.5 | 4,501 |
| 500 | 48.0 | 5,286 |
| 630 | 53.0 | 6,332 |

Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to occur.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

25 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 300 sqmm supplied in wooden drum @ 1000 m

400 - 630 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

| Conductor | | | Inductance | | Current - Carrying Capacity at 30° C * | | | | Short circuit current at 1 sec | |
|-------------------------------------|-----------------------|-----------------------|-------------------|----------------|--|-----------|----------|-----------|--------------------------------|-----------|
| Nom. Cross Sect. (mm ²) | DC Resistance at 20°C | AC Resistance at 90°C | Trefoil formation | Flat formation | ⊗⊗⊗ | | ⊙⊙⊙ | | Conductor | Screen |
| | Max. (Ω/km) | Max. (Ω/km) | (mH/km) | (mH/km) | in air | in ground | in air | in ground | | |
| | | | | | Max. (A) | Max. (A) | Max. (A) | Max. (A) | Max. (kA) | Max. (kA) |
| 25 | 1.20 | 1.539 | 0.468 | 0.514 | 133 | 118 | 136 | 121 | 2.35 | 1.14 |
| 35 | 0.868 | 1.113 | 0.441 | 0.487 | 161 | 142 | 165 | 145 | 3.29 | 1.14 |
| 50 | 0.641 | 0.822 | 0.426 | 0.472 | 193 | 167 | 197 | 171 | 4.70 | 1.14 |
| 70 | 0.443 | 0.568 | 0.399 | 0.445 | 241 | 205 | 247 | 210 | 6.58 | 1.14 |
| 95 | 0.320 | 0.411 | 0.382 | 0.428 | 293 | 245 | 300 | 251 | 8.93 | 1.14 |
| 120 | 0.253 | 0.325 | 0.368 | 0.414 | 337 | 279 | 346 | 285 | 11.28 | 1.14 |
| 150 | 0.206 | 0.265 | 0.360 | 0.406 | 383 | 312 | 392 | 319 | 14.10 | 1.14 |
| 185 | 0.164 | 0.211 | 0.349 | 0.395 | 442 | 353 | 453 | 361 | 17.39 | 1.14 |
| 240 | 0.125 | 0.161 | 0.338 | 0.384 | 521 | 409 | 534 | 417 | 22.56 | 1.14 |
| 300 | 0.100 | 0.130 | 0.328 | 0.374 | 596 | 460 | 610 | 470 | 28.20 | 1.14 |
| 400 | 0.0778 | 0.102 | 0.315 | 0.362 | 699 | 527 | 714 | 537 | 37.60 | 1.14 |
| 500 | 0.0605 | 0.080 | 0.310 | 0.356 | 811 | 598 | 826 | 607 | 47.00 | 1.14 |
| 630 | 0.0469 | 0.063 | 0.297 | 0.344 | 948 | 681 | 963 | 688 | 59.22 | 1.14 |

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NA2XSKY 1 x (25-630) mm² 8.7/15 kV

AI / XLPE/ CTS / PVC / LS / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

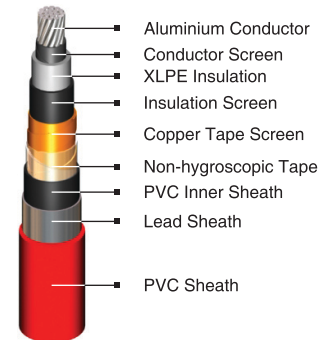
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 25 | 26.5 | 1,717 |
| 35 | 28.0 | 1,849 |
| 50 | 29.0 | 1,985 |
| 70 | 31.0 | 2,245 |
| 95 | 33.0 | 2,475 |
| 120 | 35.0 | 2,825 |
| 150 | 36.5 | 3,032 |
| 185 | 38.5 | 3,419 |
| 240 | 41.0 | 3,730 |
| 300 | 43.0 | 4,238 |
| 400 | 47.5 | 5,029 |
| 500 | 50.5 | 5,780 |
| 630 | 55.5 | 6,870 |

Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to occur.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

25 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 240 sqmm supplied in wooden drum @ 1000 m

300 - 630 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

| Conductor | | | Inductance | | Current - Carrying Capacity at 30° C * | | | | Short circuit current at 1 sec | |
|-------------------------------------|-----------------------|-----------------------|-------------------|----------------|--|-----------|--------|-----------|--------------------------------|--------|
| Nom. Cross Sect. (mm ²) | DC Resistance at 20°C | AC Resistance at 90°C | Trefoil formation | Flat formation | ⊗⊗⊗ | | ⊙⊙⊙ | | Conductor | Screen |
| | Max. (Ω/km) | Max. (Ω/km) | (mH/km) | (mH/km) | in air | in ground | in air | in ground | | |
| 25 | 1.20 | 1.539 | 0.489 | 0.535 | 134 | 118 | 137 | 121 | 2.35 | 1.14 |
| 35 | 0.868 | 1.113 | 0.461 | 0.507 | 163 | 142 | 166 | 145 | 3.29 | 1.14 |
| 50 | 0.641 | 0.822 | 0.443 | 0.490 | 194 | 167 | 199 | 171 | 4.70 | 1.14 |
| 70 | 0.443 | 0.568 | 0.416 | 0.462 | 242 | 205 | 248 | 210 | 6.58 | 1.14 |
| 95 | 0.320 | 0.411 | 0.398 | 0.444 | 294 | 244 | 301 | 250 | 8.93 | 1.14 |
| 120 | 0.253 | 0.325 | 0.387 | 0.433 | 341 | 278 | 349 | 284 | 11.28 | 1.14 |
| 150 | 0.206 | 0.265 | 0.376 | 0.422 | 385 | 311 | 395 | 318 | 14.10 | 1.14 |
| 185 | 0.164 | 0.211 | 0.363 | 0.410 | 444 | 353 | 455 | 360 | 17.39 | 1.14 |
| 240 | 0.125 | 0.161 | 0.350 | 0.396 | 521 | 408 | 534 | 417 | 22.56 | 1.14 |
| 300 | 0.100 | 0.129 | 0.341 | 0.387 | 597 | 460 | 610 | 469 | 28.20 | 1.14 |
| 400 | 0.0778 | 0.101 | 0.329 | 0.375 | 702 | 526 | 716 | 536 | 37.60 | 1.14 |
| 500 | 0.0605 | 0.080 | 0.320 | 0.367 | 810 | 598 | 825 | 606 | 47.00 | 1.14 |
| 630 | 0.0469 | 0.063 | 0.307 | 0.354 | 947 | 680 | 961 | 687 | 59.22 | 1.14 |

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NA2XSKY 1 x (35-630) mm² 12/20 kV

AI / XLPE/ CTS / PVC / LS / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, PVC Sheathed)

Standard Specification : IEC 60502-2

Construction Data

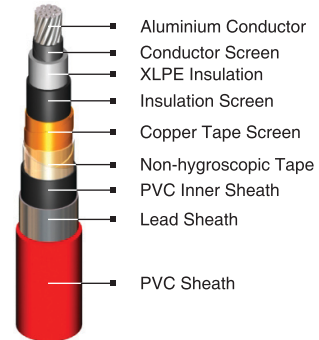
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 35 | 30.5 | 2,153 |
| 50 | 31.5 | 2,233 |
| 70 | 33.5 | 2,573 |
| 95 | 35.5 | 2,851 |
| 120 | 37.5 | 3,070 |
| 150 | 39.0 | 3,386 |
| 185 | 40.5 | 3,617 |
| 240 | 43.0 | 4,133 |
| 300 | 45.5 | 4,664 |
| 400 | 49.5 | 5,334 |
| 500 | 53.0 | 6,102 |
| 630 | 58.0 | 7,215 |

Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to occur.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

35 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

35 - 185 sqmm supplied in wooden drum @ 1000 m

240 - 630 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

| Conductor | | | Inductance | | Current - Carrying Capacity at 30° C * | | | | Short circuit current at 1 sec | |
|-------------------------------------|-----------------------|-----------------------|-------------------|----------------|--|-----------|----------|-----------|--------------------------------|-----------|
| Nom. Cross Sect. (mm ²) | DC Resistance at 20°C | AC Resistance at 90°C | Trefoil formation | Flat formation | ⊗⊗⊗ | | ⊙⊙⊙ | | Conductor | Screen |
| | Max. (Ω/km) | Max. (Ω/km) | (mH/km) | (mH/km) | in air | in ground | in air | in ground | | |
| | | | | | Max. (A) | Max. (A) | Max. (A) | Max. (A) | Max. (kA) | Max. (kA) |
| 35 | 0.868 | 1.113 | 0.478 | 0.524 | 164 | 142 | 168 | 145 | 3.29 | 1.14 |
| 50 | 0.641 | 0.822 | 0.457 | 0.504 | 195 | 167 | 199 | 171 | 4.70 | 1.14 |
| 70 | 0.443 | 0.568 | 0.431 | 0.477 | 244 | 205 | 250 | 209 | 6.58 | 1.14 |
| 95 | 0.320 | 0.411 | 0.413 | 0.459 | 297 | 244 | 304 | 250 | 8.93 | 1.14 |
| 120 | 0.253 | 0.325 | 0.399 | 0.446 | 341 | 278 | 349 | 284 | 11.28 | 1.14 |
| 150 | 0.206 | 0.265 | 0.388 | 0.434 | 387 | 311 | 396 | 318 | 14.10 | 1.14 |
| 185 | 0.164 | 0.211 | 0.374 | 0.420 | 444 | 352 | 454 | 360 | 17.39 | 1.14 |
| 240 | 0.125 | 0.161 | 0.362 | 0.408 | 522 | 408 | 534 | 416 | 22.56 | 1.14 |
| 300 | 0.100 | 0.129 | 0.352 | 0.398 | 598 | 459 | 610 | 468 | 28.20 | 1.14 |
| 400 | 0.0778 | 0.101 | 0.338 | 0.384 | 701 | 526 | 715 | 535 | 37.60 | 1.14 |
| 500 | 0.0605 | 0.080 | 0.329 | 0.375 | 809 | 597 | 823 | 606 | 47.00 | 1.14 |
| 630 | 0.0469 | 0.063 | 0.315 | 0.361 | 946 | 680 | 958 | 687 | 59.22 | 1.14 |

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information

NA2XSKY 1 x (50-630) mm² 18/30 kV

AI / XLPE/ CTS / PVC / LS / PVC

(Aluminium Conductor, XLPE Insulated, Copper Tape Screen, Lead Sheathed, PVC Sheathed)
Standard Specification : IEC 60502-2

Construction Data

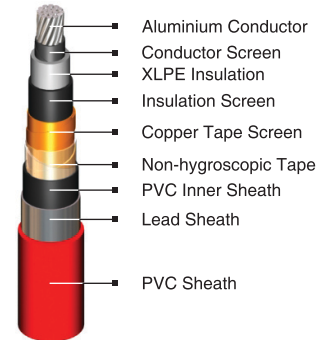
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 50 | 37.5 | 3,089 |
| 70 | 39.5 | 3,357 |
| 95 | 41.0 | 3,537 |
| 120 | 43.0 | 3,907 |
| 150 | 44.5 | 4,120 |
| 185 | 47.0 | 4,649 |
| 240 | 49.5 | 5,067 |
| 300 | 51.5 | 5,623 |
| 400 | 55.5 | 6,469 |
| 500 | 58.5 | 7,299 |
| 630 | 64.5 | 8,592 |

Application :

For indoor, outdoor, in ground and in duct. Mainly on chemical industries, refineries, petrol stations and any other locations where there is a risk that solvent, fuel and other chemicals may penetrate and mechanical damage is not likely to occur.

Special Features on Request

- Oil Resistance
- UV Resistance
- Flame Retardant Cat. A, B, C
- Flame Retardant Non Category
- Anti Termite
- Anti Rodent
- Low Smoke Zero Halogen
- Nylon Coated



Note :

Conductor Shape

50 - 630 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

50 - 120 sqmm supplied in wooden drum @ 1000 m

150 - 630 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

| Conductor | | | Inductance | | Current - Carrying Capacity at 30° C * | | | | Short circuit current at 1 sec | |
|-------------------------------------|-----------------------|-----------------------|-------------------|----------------|--|-----------|--------|-----------|--------------------------------|--------|
| Nom. Cross Sect. (mm ²) | DC Resistance at 20°C | AC Resistance at 90°C | Trefoil formation | Flat formation | ⊗⊗⊗ | | ⊙⊙⊙ | | Conductor | Screen |
| | Max. (Ω/km) | Max. (Ω/km) | (mH/km) | (mH/km) | in air | in ground | in air | in ground | | |
| 50 | 0.641 | 0.822 | 0.495 | 0.541 | 198 | 166 | 202 | 170 | 4.70 | 1.14 |
| 70 | 0.443 | 0.568 | 0.465 | 0.511 | 246 | 204 | 252 | 208 | 6.58 | 1.14 |
| 95 | 0.320 | 0.411 | 0.443 | 0.489 | 298 | 244 | 304 | 249 | 8.93 | 1.14 |
| 120 | 0.253 | 0.325 | 0.428 | 0.475 | 343 | 277 | 350 | 283 | 11.28 | 1.14 |
| 150 | 0.206 | 0.265 | 0.415 | 0.462 | 388 | 310 | 396 | 317 | 14.10 | 1.14 |
| 185 | 0.164 | 0.211 | 0.403 | 0.449 | 447 | 351 | 456 | 358 | 17.39 | 1.14 |
| 240 | 0.125 | 0.161 | 0.388 | 0.435 | 524 | 406 | 535 | 414 | 22.56 | 1.14 |
| 300 | 0.100 | 0.129 | 0.376 | 0.423 | 599 | 458 | 610 | 466 | 28.20 | 1.14 |
| 400 | 0.0778 | 0.101 | 0.361 | 0.407 | 700 | 524 | 712 | 533 | 37.60 | 1.14 |
| 500 | 0.0605 | 0.079 | 0.351 | 0.397 | 807 | 596 | 819 | 603 | 47.00 | 1.14 |
| 630 | 0.0469 | 0.063 | 0.336 | 0.382 | 943 | 678 | 953 | 682 | 59.22 | 1.14 |

* Further information about rating factor for certain cable arrangement can be found on supplementary technical information