

N2XSKR(AL)Y 1 x (25-630) mm² 3.6/6 kV

Cu / XLPE/ CTS / PVC / LS / PVC / AWA / PVC

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

Construction Data

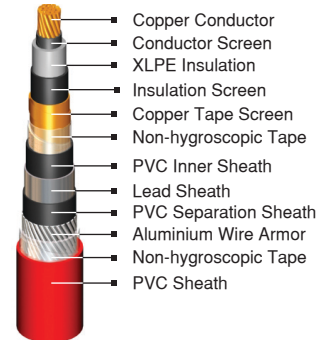
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 25 | 27.5 | 1,756 |
| 35 | 28.5 | 1,956 |
| 50 | 29.5 | 2,155 |
| 70 | 32.0 | 2,590 |
| 95 | 33.5 | 2,968 |
| 120 | 36.0 | 3,509 |
| 150 | 38.0 | 3,885 |
| 185 | 39.5 | 4,375 |
| 240 | 43.0 | 5,325 |
| 300 | 47.5 | 6,446 |
| 400 | 51.5 | 7,728 |
| 500 | 56.0 | 9,372 |
| 630 | 60.0 | 11,280 |

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 high pulling stresses may occur during installation.

Special Features on Request

- Fire Resistance
- 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 - 150 sqmm supplied in wooden drum @ 1000 m

185 - 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 | 0.727 | 0.927 | 0.486 | 0.532 | 173 | 155 | 177 | 158 | 3.58 | 1.14 |
| 35 | 0.524 | 0.668 | 0.463 | 0.509 | 210 | 185 | 214 | 188 | 5.01 | 1.14 |
| 50 | 0.387 | 0.494 | 0.444 | 0.490 | 249 | 217 | 254 | 221 | 7.15 | 1.14 |
| 70 | 0.268 | 0.342 | 0.420 | 0.466 | 309 | 264 | 315 | 269 | 10.01 | 1.14 |
| 95 | 0.193 | 0.247 | 0.401 | 0.448 | 373 | 314 | 379 | 318 | 13.59 | 1.14 |
| 120 | 0.153 | 0.196 | 0.393 | 0.439 | 428 | 353 | 434 | 356 | 17.16 | 1.14 |
| 150 | 0.124 | 0.159 | 0.381 | 0.427 | 482 | 391 | 487 | 393 | 21.45 | 1.14 |
| 185 | 0.0991 | 0.127 | 0.368 | 0.414 | 545 | 436 | 548 | 437 | 26.46 | 1.14 |
| 240 | 0.0754 | 0.098 | 0.358 | 0.404 | 631 | 495 | 632 | 492 | 34.32 | 1.14 |
| 300 | 0.0601 | 0.079 | 0.356 | 0.402 | 706 | 539 | 703 | 532 | 42.90 | 1.14 |
| 400 | 0.0470 | 0.062 | 0.345 | 0.391 | 798 | 594 | 789 | 583 | 57.20 | 1.14 |
| 500 | 0.0366 | 0.050 | 0.337 | 0.383 | 892 | 649 | 877 | 633 | 71.50 | 1.14 |
| 630 | 0.0283 | 0.040 | 0.327 | 0.373 | 989 | 704 | 967 | 682 | 90.09 | 1.14 |

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

N2XSKR(AL)Y 1 x (25-630) mm² 6/10 kV

Cu / XLPE/ CTS / PVC / LS / PVC / AWA / PVC

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

Construction Data

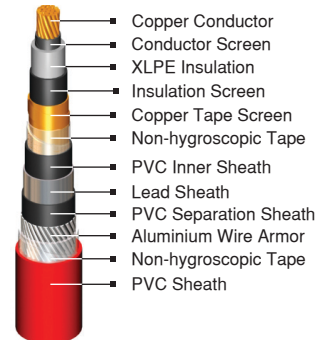
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 25 | 29.5 | 1,950 |
| 35 | 30.5 | 2,140 |
| 50 | 32.0 | 2,437 |
| 70 | 34.5 | 2,884 |
| 95 | 36.5 | 3,362 |
| 120 | 38.0 | 3,713 |
| 150 | 40.0 | 4,215 |
| 185 | 42.0 | 4,788 |
| 240 | 45.0 | 5,706 |
| 300 | 48.5 | 6,570 |
| 400 | 52.5 | 7,852 |
| 500 | 56.5 | 9,431 |
| 630 | 60.5 | 11,343 |

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 high pulling stresses may occur during installation.

Special Features on Request

- Fire Resistance
- 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 - 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 | | |
| 25 | 0.727 | 0.927 | 0.501 | 0.547 | 174 | 154 | 178 | 157 | 3.58 | 1.14 |
| 35 | 0.524 | 0.668 | 0.475 | 0.521 | 210 | 184 | 215 | 188 | 5.01 | 1.14 |
| 50 | 0.387 | 0.494 | 0.459 | 0.505 | 250 | 217 | 255 | 221 | 7.15 | 1.14 |
| 7d0 | 0.268 | 0.342 | 0.438 | 0.484 | 312 | 263 | 317 | 267 | 10.01 | 1.14 |
| 95 | 0.193 | 0.247 | 0.419 | 0.465 | 376 | 312 | 381 | 316 | 13.59 | 1.14 |
| 120 | 0.153 | 0.196 | 0.404 | 0.450 | 428 | 351 | 433 | 354 | 17.16 | 1.14 |
| 150 | 0.124 | 0.159 | 0.391 | 0.437 | 483 | 391 | 488 | 393 | 21.45 | 1.14 |
| 185 | 0.0991 | 0.127 | 0.381 | 0.427 | 546 | 435 | 549 | 435 | 26.46 | 1.14 |
| 240 | 0.0754 | 0.098 | 0.368 | 0.414 | 632 | 493 | 632 | 490 | 34.32 | 1.14 |
| 300 | 0.0601 | 0.078 | 0.362 | 0.408 | 706 | 538 | 703 | 532 | 42.90 | 1.14 |
| 400 | 0.0470 | 0.062 | 0.348 | 0.394 | 799 | 594 | 790 | 583 | 57.20 | 1.14 |
| 500 | 0.0366 | 0.050 | 0.338 | 0.384 | 893 | 650 | 878 | 634 | 71.50 | 1.14 |
| 630 | 0.0283 | 0.040 | 0.328 | 0.374 | 990 | 705 | 969 | 683 | 90.09 | 1.14 |

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

N2XSKR(AL)Y 1 x (25-630) mm² 8.7/15 kV

Cu / XLPE/ CTS / PVC / LS / PVC / AWA / PVC

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

Construction Data

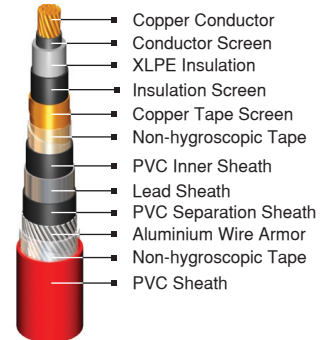
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 25 | 32.0 | 2,275 |
| 35 | 33.0 | 2,473 |
| 50 | 35.0 | 2,782 |
| 70 | 37.5 | 3,227 |
| 95 | 39.0 | 3,619 |
| 120 | 41.0 | 4,172 |
| 150 | 43.0 | 4,581 |
| 185 | 45.0 | 5,248 |
| 240 | 49.0 | 6,118 |
| 300 | 51.5 | 7,080 |
| 400 | 55.5 | 8,443 |
| 500 | 59.5 | 10,014 |
| 630 | 63.5 | 11,963 |

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 high pulling stresses may occur during installation.

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 - 95 sqmm supplied in wooden drum @ 1000 m

120 - 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 | 0.727 | 0.927 | 0.518 | 0.565 | 175 | 154 | 179 | 157 | 3.58 | 1.14 |
| 35 | 0.524 | 0.668 | 0.492 | 0.538 | 212 | 184 | 216 | 187 | 5.01 | 1.14 |
| 50 | 0.387 | 0.494 | 0.478 | 0.524 | 253 | 216 | 257 | 220 | 7.15 | 1.14 |
| 70 | 0.268 | 0.342 | 0.453 | 0.499 | 312 | 262 | 317 | 266 | 10.01 | 1.14 |
| 95 | 0.193 | 0.247 | 0.433 | 0.479 | 375 | 311 | 381 | 314 | 13.59 | 1.14 |
| 120 | 0.153 | 0.196 | 0.420 | 0.466 | 429 | 350 | 434 | 353 | 17.16 | 1.14 |
| 150 | 0.124 | 0.159 | 0.405 | 0.451 | 483 | 389 | 488 | 391 | 21.45 | 1.14 |
| 185 | 0.0991 | 0.127 | 0.394 | 0.441 | 547 | 433 | 550 | 433 | 26.46 | 1.14 |
| 240 | 0.0754 | 0.098 | 0.384 | 0.430 | 631 | 488 | 631 | 485 | 34.32 | 1.14 |
| 300 | 0.0601 | 0.078 | 0.373 | 0.419 | 707 | 537 | 704 | 531 | 42.90 | 1.14 |
| 400 | 0.0470 | 0.062 | 0.360 | 0.406 | 799 | 593 | 792 | 583 | 57.20 | 1.14 |
| 500 | 0.0366 | 0.050 | 0.348 | 0.394 | 894 | 649 | 881 | 634 | 71.50 | 1.14 |
| 630 | 0.0283 | 0.040 | 0.338 | 0.384 | 992 | 704 | 973 | 684 | 90.09 | 1.14 |

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

N2XSKR(AL)Y 1 x (35-630) mm² 12/20 kV

Cu / XLPE/ CTS / PVC / LS / PVC / AWA / PVC

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

Construction Data

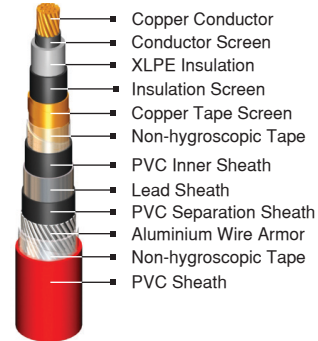
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 35 | 36.5 | 2,893 |
| 50 | 37.5 | 3,097 |
| 70 | 39.5 | 3,577 |
| 95 | 42.0 | 4,052 |
| 120 | 43.5 | 4,454 |
| 150 | 45.5 | 5,012 |
| 185 | 48.5 | 5,635 |
| 240 | 51.5 | 6,601 |
| 300 | 54.0 | 7,528 |
| 400 | 58.0 | 8,829 |
| 500 | 61.5 | 10,382 |
| 630 | 65.5 | 12,366 |

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 high pulling stresses may occur during installation.

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 - 70 sqmm supplied in wooden drum @ 1000 m

95 - 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 | | |
| 35 | 0.524 | 0.668 | 0.511 | 0.557 | 214 | 184 | 218 | 187 | 5.01 | 1.14 |
| 50 | 0.387 | 0.494 | 0.492 | 0.538 | 253 | 215 | 258 | 219 | 7.15 | 1.14 |
| 70 | 0.268 | 0.342 | 0.465 | 0.511 | 313 | 262 | 318 | 266 | 10.01 | 1.14 |
| 95 | 0.193 | 0.247 | 0.447 | 0.493 | 376 | 310 | 381 | 313 | 13.59 | 1.14 |
| 120 | 0.153 | 0.196 | 0.431 | 0.477 | 429 | 349 | 434 | 352 | 17.16 | 1.14 |
| 150 | 0.124 | 0.159 | 0.417 | 0.464 | 484 | 388 | 488 | 390 | 21.45 | 1.14 |
| 185 | 0.0991 | 0.127 | 0.409 | 0.455 | 547 | 430 | 549 | 430 | 26.46 | 1.14 |
| 240 | 0.0754 | 0.097 | 0.394 | 0.441 | 631 | 487 | 632 | 484 | 34.32 | 1.14 |
| 300 | 0.0601 | 0.078 | 0.382 | 0.428 | 709 | 538 | 707 | 531 | 42.90 | 1.14 |
| 400 | 0.0470 | 0.062 | 0.368 | 0.415 | 799 | 592 | 792 | 582 | 57.20 | 1.14 |
| 500 | 0.0366 | 0.050 | 0.356 | 0.402 | 896 | 649 | 883 | 635 | 71.50 | 1.14 |
| 630 | 0.0283 | 0.040 | 0.345 | 0.391 | 994 | 704 | 975 | 685 | 90.09 | 1.14 |

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

N2XSKR(AL)Y 1 x (50-630) mm² 18/30 kV

Cu / XLPE/ CTS / PVC / LS / PVC / AWA / PVC

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

Construction Data

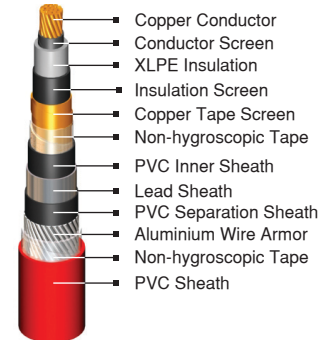
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 50 | 44.0 | 4,076 |
| 70 | 47.5 | 4,633 |
| 95 | 49.0 | 5,006 |
| 120 | 51.0 | 5,587 |
| 150 | 52.5 | 6,034 |
| 185 | 55.0 | 6,826 |
| 240 | 58.0 | 7,686 |
| 300 | 60.0 | 8,674 |
| 400 | 64.0 | 10,117 |
| 500 | 67.5 | 11,755 |
| 630 | 72.5 | 13,893 |

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 high pulling stresses may occur during installation.

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 - 630 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

| Nom. Cross Sect. (mm ²) | Conductor | | Inductance | | Current - Carrying Capacity at 30° C * | | | | Short circuit current at 1 sec | |
|-------------------------------------|-----------------------|-----------------------|-------------------|----------------|--|-----------|--------|-----------|--------------------------------|--------|
| | DC Resistance at 20°C | AC Resistance at 90°C | Trefoil formation | Flat formation | ⊗⊗⊗ | | ⊙⊙⊙ | | Conductor | Screen |
| | | | | | in air | in ground | in air | in ground | | |
| 50 | 0.387 | 0.494 | 0.524 | 0.571 | 254 | 214 | 258 | 217 | 7.15 | 1.14 |
| 70 | 0.268 | 0.342 | 0.500 | 0.547 | 315 | 260 | 320 | 264 | 10.01 | 1.14 |
| 95 | 0.193 | 0.247 | 0.479 | 0.525 | 378 | 308 | 382 | 311 | 13.59 | 1.14 |
| 120 | 0.153 | 0.196 | 0.463 | 0.509 | 431 | 346 | 435 | 349 | 17.16 | 1.14 |
| 150 | 0.124 | 0.159 | 0.447 | 0.493 | 485 | 385 | 489 | 386 | 21.45 | 1.14 |
| 185 | 0.0991 | 0.127 | 0.435 | 0.481 | 547 | 428 | 549 | 428 | 26.46 | 1.14 |
| 240 | 0.0754 | 0.097 | 0.418 | 0.464 | 631 | 485 | 632 | 483 | 34.32 | 1.14 |
| 300 | 0.0601 | 0.078 | 0.404 | 0.450 | 709 | 535 | 707 | 530 | 42.90 | 1.14 |
| 400 | 0.0470 | 0.062 | 0.389 | 0.435 | 802 | 592 | 796 | 583 | 57.20 | 1.14 |
| 500 | 0.0366 | 0.049 | 0.375 | 0.421 | 899 | 649 | 889 | 636 | 71.50 | 1.14 |
| 630 | 0.0283 | 0.040 | 0.364 | 0.410 | 998 | 706 | 983 | 688 | 90.09 | 1.14 |

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