

N2XSEFGbY 3 x (25-300) mm² 3.6/6 kV

Cu / XLPE / CTS / PVC / SFWA / PVC

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

Construction Data

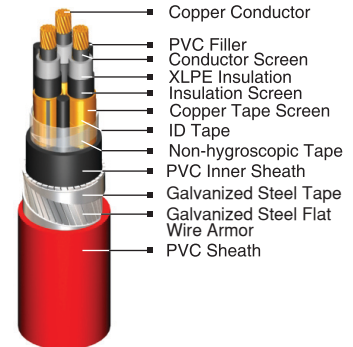
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 25 | 38.5 | 2,603 |
| 35 | 41.5 | 3,074 |
| 50 | 44.5 | 3,641 |
| 70 | 48.5 | 4,536 |
| 95 | 52.0 | 5,542 |
| 120 | 56.0 | 6,516 |
| 150 | 59.5 | 7,593 |
| 185 | 63.0 | 8,940 |
| 240 | 69.0 | 11,074 |
| 300 | 75.5 | 13,395 |

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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



Note :

Conductor Shape

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 50 sqmm supplied in wooden drum @ 1000 m

70 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

| Nom. Cross Sect. (mm ²) | Conductor | | Inductance (mH/km) | Current - Carrying Capacity at 30° C * | | Short circuit current at 1 sec | |
|--|--------------------------|--------------------------|-----------------------|---|-------------|--------------------------------|--------------|
| | DC Resistance at 20°C | AC Resistance at 90°C | | in air | in ground | Conductor | Screen |
| | Max. (Ω/km) | Max. (Ω/km) | | Max. (A) | Max. (A) | Max. (kA) | Max. (kA) |
| 25 | 0.727 | 0.927 | 0.342 | 152 | 147 | 3.58 | 1.03 |
| 35 | 0.524 | 0.668 | 0.325 | 185 | 175 | 5.01 | 1.03 |
| 50 | 0.387 | 0.494 | 0.313 | 219 | 205 | 7.15 | 1.03 |
| 70 | 0.268 | 0.342 | 0.296 | 273 | 251 | 10.01 | 1.03 |
| 95 | 0.193 | 0.247 | 0.285 | 330 | 299 | 13.59 | 1.03 |
| 120 | 0.153 | 0.196 | 0.276 | 379 | 339 | 17.16 | 1.03 |
| 150 | 0.124 | 0.160 | 0.268 | 430 | 379 | 21.45 | 1.03 |
| 185 | 0.0991 | 0.128 | 0.262 | 490 | 427 | 26.46 | 1.03 |
| 240 | 0.0754 | 0.099 | 0.255 | 573 | 490 | 34.32 | 1.37 |
| 300 | 0.0601 | 0.080 | 0.252 | 649 | 547 | 42.90 | 1.37 |

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

N2XSEFGbY 3 x (25-300) mm² 6/10 kV

Cu / XLPE / CTS / PVC / SFWA / PVC

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

Construction Data

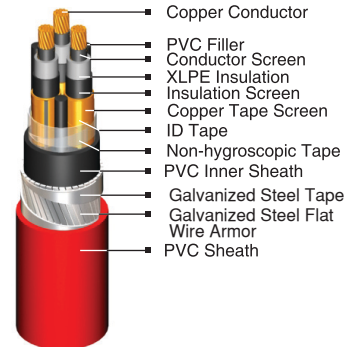
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 25 | 43.0 | 2,984 |
| 35 | 46.0 | 3,515 |
| 50 | 48.5 | 4,061 |
| 70 | 52.5 | 4,955 |
| 95 | 56.5 | 6,055 |
| 120 | 60.0 | 7,026 |
| 150 | 63.5 | 8,110 |
| 185 | 67.5 | 9,478 |
| 240 | 73.5 | 11,663 |
| 300 | 78.5 | 13,814 |

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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



Note :

Conductor Shape

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 - 35 sqmm supplied in wooden drum @ 1000 m

50 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

| Nom. Cross Sect. (mm ²) | Conductor | | Inductance (mH/km) | Current - Carrying Capacity at 30° C * | | Short circuit current at 1 sec | |
|--|--------------------------|--------------------------|-----------------------|---|-------------|--------------------------------|--------------|
| | DC Resistance at 20°C | AC Resistance at 90°C | | in air | in ground | Conductor | Screen |
| | Max. (Ω/km) | Max. (Ω/km) | | Max. (A) | Max. (A) | Max. (kA) | Max. (kA) |
| 25 | 0.727 | 0.927 | 0.368 | 155 | 147 | 3.58 | 1.03 |
| 35 | 0.524 | 0.668 | 0.349 | 187 | 175 | 5.01 | 1.03 |
| 50 | 0.387 | 0.494 | 0.335 | 222 | 205 | 7.15 | 1.03 |
| 70 | 0.268 | 0.342 | 0.316 | 276 | 251 | 10.01 | 1.03 |
| 95 | 0.193 | 0.247 | 0.303 | 333 | 298 | 13.59 | 1.03 |
| 120 | 0.153 | 0.196 | 0.293 | 382 | 339 | 17.16 | 1.03 |
| 150 | 0.124 | 0.160 | 0.284 | 433 | 379 | 21.45 | 1.03 |
| 185 | 0.0991 | 0.128 | 0.277 | 493 | 426 | 26.46 | 1.37 |
| 240 | 0.0754 | 0.099 | 0.267 | 574 | 489 | 34.32 | 1.37 |
| 300 | 0.0601 | 0.080 | 0.261 | 650 | 546 | 42.90 | 1.37 |

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

N2XSEFGbY 3 x (25-300) mm² 8,7/15 kV

Cu / XLPE / CTS / PVC / SFWA / PVC

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

Construction Data

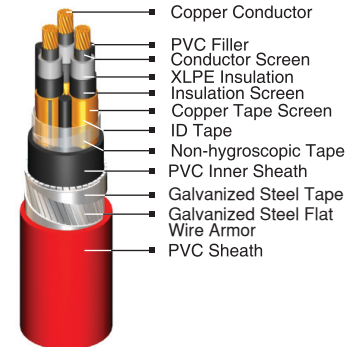
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 25 | 49.0 | 3,552 |
| 35 | 51.5 | 4,072 |
| 50 | 54.0 | 4,606 |
| 70 | 58.5 | 5,619 |
| 95 | 62.0 | 6,697 |
| 120 | 65.5 | 7,705 |
| 150 | 69.0 | 8,810 |
| 185 | 73.0 | 10,284 |
| 240 | 79.0 | 12,429 |
| 300 | 83.5 | 14,586 |

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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



Note :

Conductor Shape

25 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

25 sqmm supplied in wooden drum @ 1000 m

35 - 300 sqmm will be supplied in wooden drum on available length

Length Tolerance per drum ± 2%

Electrical Data

| Nom. Cross Sect. (mm ²) | Conductor | | Inductance (mH/km) | Current - Carrying Capacity at 30° C * | | Short circuit current at 1 sec | |
|--|--------------------------|--------------------------|-----------------------|---|-------------|--------------------------------|--------------|
| | DC Resistance at 20°C | AC Resistance at 90°C | | in air | in ground | Conductor | Screen |
| | Max. (Ω/km) | Max. (Ω/km) | | Max. (A) | Max. (A) | Max. (kA) | Max. (kA) |
| 25 | 0.727 | 0.927 | 0.395 | 156 | 146 | 3.58 | 1.03 |
| 35 | 0.524 | 0.668 | 0.374 | 189 | 174 | 5.01 | 1.03 |
| 50 | 0.387 | 0.494 | 0.359 | 225 | 205 | 7.15 | 1.03 |
| 70 | 0.268 | 0.342 | 0.338 | 278 | 250 | 10.01 | 1.03 |
| 95 | 0.193 | 0.247 | 0.324 | 336 | 298 | 13.59 | 1.03 |
| 120 | 0.153 | 0.196 | 0.312 | 385 | 338 | 17.16 | 1.03 |
| 150 | 0.124 | 0.159 | 0.302 | 435 | 378 | 21.45 | 1.37 |
| 185 | 0.0991 | 0.128 | 0.294 | 494 | 424 | 26.46 | 1.37 |
| 240 | 0.0754 | 0.098 | 0.283 | 577 | 488 | 34.32 | 1.37 |
| 300 | 0.0601 | 0.080 | 0.275 | 654 | 547 | 42.90 | 1.37 |

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

N2XSEFGbY 3 x (35-300) mm² 12/20 kV

Cu / XLPE / CTS / PVC / SFWA / PVC

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

Construction Data

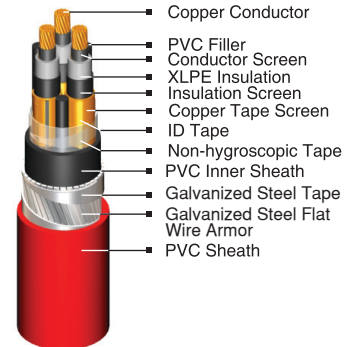
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 35 | 56.5 | 4,624 |
| 50 | 59.0 | 5,185 |
| 70 | 63.0 | 6,194 |
| 95 | 66.5 | 7,276 |
| 120 | 70.0 | 8,318 |
| 150 | 74.0 | 9,516 |
| 185 | 78.0 | 10,981 |
| 240 | 83.5 | 13,130 |
| 300 | 88.5 | 15,374 |

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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



Note :

Conductor Shape

35 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

35 - 300 sqmm will be supplied in wooden drum on available length
Length Tolerance per drum ± 2%

Electrical Data

| Nom. Cross Sect. (mm ²) | Conductor | | Inductance (mH/km) | Current - Carrying Capacity at 30° C * | | Short circuit current at 1 sec | |
|--|-----------------------|-----------------------|-----------------------|--|-----------|--------------------------------|-----------|
| | DC Resistance at 20°C | AC Resistance at 90°C | | in air | in ground | Conductor | Screen |
| | Max. (Ω/km) | Max. (Ω/km) | | Max. (A) | Max. (A) | Max. (kA) | Max. (kA) |
| 35 | 0.524 | 0.668 | 0.395 | 190 | 174 | 5.01 | 1.03 |
| 50 | 0.387 | 0.494 | 0.379 | 226 | 205 | 7.15 | 1.03 |
| 70 | 0.268 | 0.342 | 0.357 | 280 | 250 | 10.01 | 1.03 |
| 95 | 0.193 | 0.247 | 0.341 | 338 | 298 | 13.59 | 1.37 |
| 120 | 0.153 | 0.196 | 0.328 | 387 | 338 | 17.16 | 1.37 |
| 150 | 0.124 | 0.159 | 0.318 | 437 | 377 | 21.45 | 1.37 |
| 185 | 0.0991 | 0.128 | 0.308 | 496 | 424 | 26.46 | 1.37 |
| 240 | 0.0754 | 0.098 | 0.296 | 579 | 488 | 34.32 | 1.37 |
| 300 | 0.0601 | 0.079 | 0.287 | 655 | 546 | 42.90 | 1.37 |

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

N2XSEFGbY 3 x (50-300) mm² 18/30 kV

Cu / XLPE / CTS / PVC / SFWA / PVC

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

Construction Data

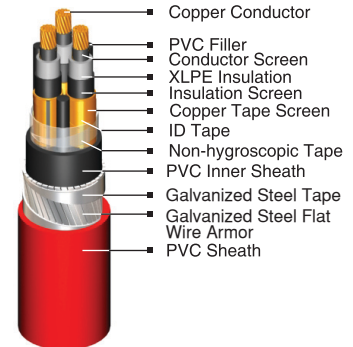
| Nom. Cross Section Area | Overall Diameter | Cable Weight |
|-------------------------|------------------|--------------|
| | approx. | approx. |
| mm ² | mm | kg/km |
| 50 | 71.0 | 6,738 |
| 70 | 75.5 | 7,869 |
| 95 | 79.0 | 9,021 |
| 120 | 82.5 | 10,109 |
| 150 | 86.0 | 11,335 |
| 185 | 90.0 | 12,808 |
| 240 | 95.5 | 15,124 |
| 300 | 101.0 | 17,512 |

Application :

For installation in the ground, indoors, cable trunking and outdoors if increased mechanical protection is required or where high-pulling stresses may occur during installation or operation.

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



Note :

Conductor Shape

50 - 300 sqmm supplied in compacted circular stranded (cm) conductor shape

Standard Packing

50 - 300 sqmm will be supplied in wooden drum on available length
 Length Tolerance per drum ± 2%

Electrical Data

| Nom. Cross Sect. (mm ²) | Conductor | | Inductance (mH/km) | Current - Carrying Capacity at 30° C * | | Short circuit current at 1 sec | |
|--|-----------------------|-----------------------|-----------------------|--|-----------|--------------------------------|-----------|
| | DC Resistance at 20°C | AC Resistance at 90°C | | in air | in ground | Conductor | Screen |
| | Max. (Ω/km) | Max. (Ω/km) | | Max. (A) | Max. (A) | Max. (kA) | Max. (kA) |
| 50 | 0.387 | 0.494 | 0.421 | 229 | 204 | 7.15 | 1.37 |
| 70 | 0.268 | 0.342 | 0.396 | 282 | 249 | 10.01 | 1.37 |
| 95 | 0.193 | 0.247 | 0.378 | 340 | 296 | 13.59 | 1.37 |
| 120 | 0.153 | 0.196 | 0.364 | 389 | 336 | 17.16 | 1.37 |
| 150 | 0.124 | 0.159 | 0.351 | 440 | 376 | 21.45 | 1.37 |
| 185 | 0.0991 | 0.128 | 0.340 | 500 | 423 | 26.46 | 1.37 |
| 240 | 0.0754 | 0.098 | 0.326 | 582 | 487 | 34.32 | 1.37 |
| 300 | 0.0601 | 0.079 | 0.315 | 657 | 545 | 42.90 | 1.37 |

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