# N2XY 0,6 - 1 kV
CU/XLPE/PVC

TRIO GLOBAL KABEL


## ■ N2XY 0,6 - 1 kV / CU/XLPE/PVC

0.6/1 kV XLPE Insulated, single-core cables with copper conductor

U: Solid Conductor
R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 1, VDE 0276 - 603, BS 7889

**Technical Data**

| | |
|---|---|
| Max. operating temperature | : 90 °C |
| Max. short circuit temperature | : 250 °C (max. 5 sec.) |
| Rated voltage Min. | : 0.6/1 kV |
| bending radius D | : 15 x D |
| | : Cable outer diameter |

**Application**

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

**Construction**

1 Solid or stranded copper conductor 2 XLPE insulation 3 PVC outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | | | |
|---|---|---|---|---|---|---|---|---|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | | | |
| | | | | | In ground at 20 °C | | In air at 30 °C | |
| mm² | mm | kg/km | m | ohm/km | *** | **** | *** | **** |
| 1x1.5 | 5.5 | 45 | 1000 | 12.1 | 39 | 32 | 32 | 25 |
| 1x2.5 | 6.0 | 55 | 1000 | 7.41 | 51 | 43 | 42 | 34 |
| 1x4 | 6.5 | 75 | 1000 | 4.61 | 66 | 55 | 56 | 44 |
| 1x6 | 7.0 | 90 | 1000 | 3.08 | 82 | 68 | 71 | 57 |
| 1x10 | 8.0 | 140 | 1000 | 1.83 | 109 | 90 | 96 | 77 |
| 1x16 | 9.0 | 200 | 1000 | 1.15 | 139 | 115 | 128 | 102 |
| 1x25 | 10.5 | 300 | 1000 | 0.727 | 179 | 149 | 173 | 139 |
| 1x35 | 11.5 | 400 | 1000 | 0.524 | 213 | 178 | 212 | 170 |
| 1x50 | 13.0 | 530 | 1000 | 0.387 | 251 | 211 | 258 | 208 |
| 1x70 | 15.0 | 750 | 1000 | 0.268 | 307 | 259 | 328 | 265 |
| 1x95 | 17.0 | 1000 | 1000 | 0.193 | 366 | 310 | 404 | 326 |
| 1x120 | 18.5 | 1250 | 1000 | 0.153 | 416 | 352 | 471 | 381 |
| 1x150 | 20.5 | 1550 | 1000 | 0.124 | 465 | 396 | 541 | 438 |
| 1x185 | 22.5 | 1900 | 1000 | 0.0991 | 526 | 449 | 626 | 507 |
| 1x240 | 25.5 | 2450 | 1000 | 0.0754 | 610 | 521 | 749 | 606 |
| 1x300 | 29.0 | 3000 | 1000 | 0.0601 | 689 | 587 | 864 | 697 |
| 1x400 | 32.0 | 4000 | 1000 | 0.0470 | 788 | 669 | 1018 | 816 |
| 1x500 | 35.5 | 5000 | 1000 | 0.0366 | 889 | 748 | 1173 | 933 |
| 1x630 | 39.0 | 6100 | 1000 | 0.0283 | 980 | 843 | 1315 | 1083 |

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
In air : 30 °C, load factor 1.0
*** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
**** : Trefoil formation
Number of system : 1



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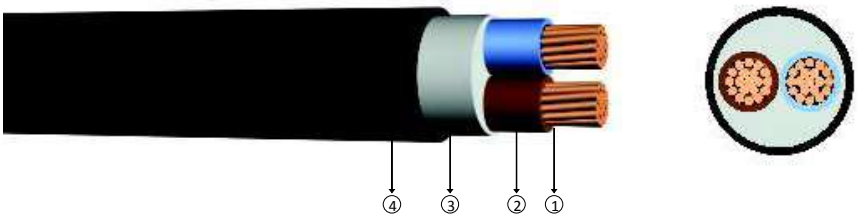


# ■ N2XY 0,6 - 1 kV / CU/XLPE/PVC

0.6 / 1 kV XLPE insulated , multi-core cables with copper conductor

U: Solid Conductor
R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 1, VDE 0276 - 603, BS 7889

**Technical Data**

| | |
|---|---|
| Max. operating temperature | : 90 °C |
| Max. short circuit temperature | : 250 °C (max. 5 sec.) |
| Rated voltage Min. | : 0.6/1 kV |
| bending radius D | : 15 x D |
| | : Cable outer diameter |

**Application**

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

**Construction**

1 Solid or stranded copper conductor 2 XLPE insulation 3 PVC outer jacket PVC outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|---|---|---|---|---|---|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 2x1.5 | 10.5 | 155 | 1000 | 12.1 | 39 | 32 |
| 2x2.5 | 11.3 | 200 | 1000 | 7.41 | 51 | 42 |
| 2x4 | 12.3 | 260 | 1000 | 4.61 | 66 | 56 |
| 2x6 | 13.5 | 320 | 1000 | 3.08 | 82 | 71 |
| 2x10 | 15.2 | 460 | 1000 | 1.83 | 109 | 96 |
| 2x16 | 17.3 | 630 | 1000 | 1.15 | 115 | 125 |
| 2x25 | 21.5 | 920 | 1000 | 0.727 | 145 | 155 |
| 2x35 | 23.3 | 1150 | 1000 | 0.524 | 175 | 195 |
| 2x50 | 25.8 | 1490 | 1000 | 0.387 | 210 | 235 |
| 2x70 | 29.7 | 2050 | 1000 | 0.268 | 255 | 300 |
| 2x95 | 33.9 | 2760 | 1000 | 0.193 | 310 | 370 |
| 2x120 | 37.4 | 3400 | 1000 | 0.153 | 355 | 430 |
| 2x150 | 41.1 | 4150 | 1000 | 0.124 | 400 | 490 |
| 2x185 | 45.9 | 5200 | 1000 | 0.0991 | 455 | 570 |
| 2x240 | 51.5 | 6700 | 500 | 0.0754 | 530 | 680 |
| 2x300 | 56.6 | 8200 | 500 | 0.0601 | 605 | 785 |
| 2x400 | 64.0 | 10600 | 500 | 0.0470 | 690 | 860 |

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor
In air 0.7 : 30 °C, load factor 1.0
Number of system : 1

# N2XY 0,6 - 1 kV
CU/XLPE/PVC

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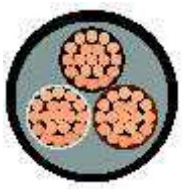

## ■ N2XY 0,6 - 1 kV / CU/XLPE/PVC

0.6 / 1 kV XLPE insulated , multi-core cables with copper conductor

U: Solid Conductor
R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 1, VDE 0276 - 603, BS 7889

**Technical Data**

| | |
|---|---|
| Max. operating temperature | : 90 °C |
| Max. short circuit temperature | : 250 °C (max. 5 sec.) |
| Rated voltage Min. | : 0.6/1 kV |
| bending radius D | : 15 x D |
| | : Cable outer diameter |

**Application**

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

**Construction**

1 Solid or stranded copper conductor 2 XLPE insulation 3 PVC outer jacket PVC outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|---|---|---|---|---|---|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 3x1.5 | 11.0 | 180 | 1000 | 12.1 | 30 | 24 |
| 3x2.5 | 12.0 | 230 | 1000 | 7.41 | 40 | 32 |
| 3x4 | 13.0 | 300 | 1000 | 4.61 | 52 | 42 |
| 3x6 | 14.5 | 370 | 1000 | 3.08 | 64 | 53 |
| 3x10 | 16.0 | 550 | 1000 | 1.83 | 86 | 73 |
| 3x16 | 19.0 | 700 | 1000 | 1.15 | 111 | 96 |
| 3x25 | 22.5 | 1150 | 1000 | 0.727 | 143 | 130 |
| 3x35 | 24.5 | 1500 | 1000 | 0.524 | 173 | 160 |
| 3x50 | 27.5 | 1950 | 1000 | 0.387 | 205 | 195 |
| 3x70 | 32.0 | 2750 | 1000 | 0.268 | 252 | 247 |
| 3x95 | 36.0 | 3600 | 1000 | 0.193 | 303 | 305 |
| 3x120 | 40.0 | 4500 | 1000 | 0.153 | 346 | 355 |
| 3x150 | 44.5 | 5600 | 500 | 0.124 | 390 | 407 |
| 3x185 | 49.0 | 6950 | 500 | 0.0991 | 441 | 469 |
| 3x240 | 56.0 | 9000 | 500 | 0.0754 | 511 | 551 |
| 3x300 | 63.0 | 11200 | 250 | 0.0601 | 580 | 638 |
| 3x400 | 72.0 | 14750 | 250 | 0.0470 | 663 | 746 |

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
In air : 30 °C, load factor 1.0
*** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7
**** cm : Trefoil formation
Number of system : 1



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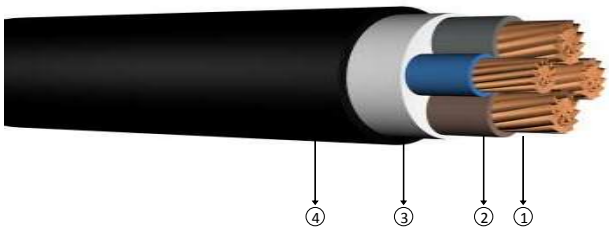


# ■ N2XY 0,6 - 1 kV / CU/XLPE/PVC

0.6 / 1 kV XLPE insulated , multi-core cables with copper conductor

U: Solid Conductor
R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 1, VDE 0276 - 603, BS 7889

**Technical Data**

| | |
|---|---|
| Max. operating temperature | : 90 °C |
| Max. short circuit temperature | : 250 °C (max. 5 sec.) |
| Rated voltage Min. | : 0.6/1 kV |
| bending radius D | : 15 x D |
| | : Cable outer diameter |

**Application**

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

**Construction**

1 Solid or stranded copper conductor 2 XLPE insulation 3 PVC outer jacket PVC outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|---|---|---|---|---|---|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 3x16+10 | 20.0 | 850 | 1000 | 1.15 | 111 | 96 |
| 3x25+16 | 23.5 | 1300 | 1000 | 0.727 | 143 | 130 |
| 3x35+16 | 25.5 | 1650 | 1000 | 0.524 | 173 | 160 |
| 3x50+25 | 29.0 | 2200 | 1000 | 0.387 | 205 | 195 |
| 3x70+35 | 33.5 | 3100 | 1000 | 0.268 | 252 | 247 |
| 3x95+50 | 37.5 | 4100 | 1000 | 0.193 | 303 | 305 |
| 3x120+70 | 42.0 | 5200 | 500 | 0.153 | 346 | 355 |
| 3x150+70 | 45.5 | 6250 | 500 | 0.124 | 390 | 407 |
| 3x185+95 | 51.0 | 7800 | 500 | 0.0991 | 441 | 469 |
| 3x240+120 | 58.0 | 10100 | 500 | 0.0754 | 511 | 551 |
| 3x300+150 | 65.0 | 12500 | 250 | 0.0601 | 580 | 638 |
| 3x400+185 | 73.5 | 16300 | 250 | 0.0470 | 663 | 746 |

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor
In air 0.7 : 30 °C, load factor 1.0
Number of system : 1

# N2XY 0,6 - 1 kV
CU/XLPE/PVC

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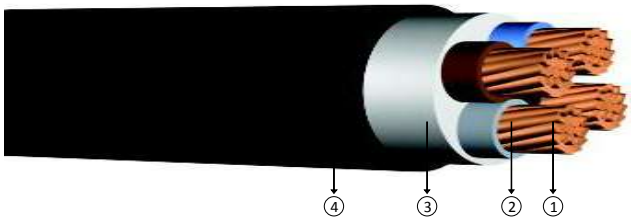


## ■ N2XY 0,6 - 1 kV / CU/XLPE/PVC

0.6 / 1 kV XLPE insulated multi-core cables with copper conductor

U: Solid Conductor
R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 1, VDE 0276 - 603, BS 7889

**Technical Data**

| | |
|---|---|
| Max. operating temperature | : 90 °C |
| Max. short circuit temperature | : 250 °C (max. 5 sec.) |
| Rated voltage | : 0.6/1 kV |
| Min. bending radius | : 12 x D |
| D | : Cable outer diameter |

**Application**

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

**Construction**

1. Solid or stranded copper conductor
2. XLPE insulation
3. Filler
4. PVC outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|---|---|---|---|---|---|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 4x1.5 | 12.0 | 200 | 1000 | 12.1 | 30 | 24 |
| 4x2.5 | 13.0 | 250 | 1000 | 7.41 | 40 | 32 |
| 4x4 | 14.0 | 350 | 1000 | 4.61 | 52 | 42 |
| 4x6 | 15.5 | 450 | 1000 | 3.08 | 64 | 53 |
| 4x10 | 17.5 | 630 | 1000 | 1.83 | 86 | 73 |
| 4x16 | 20.5 | 905 | 1000 | 1.15 | 111 | 96 |
| 4x25 | 24.5 | 1400 | 1000 | 0.727 | 143 | 130 |
| 4x35 | 27.0 | 1850 | 1000 | 0.524 | 173 | 160 |
| 4x50 | 30.5 | 2500 | 1000 | 0.387 | 205 | 195 |
| 4x70 | 35.5 | 3500 | 1000 | 0.268 | 252 | 247 |
| 4x95 | 39.5 | 4650 | 1000 | 0.193 | 303 | 305 |
| 4x120 | 44.5 | 5900 | 500 | 0.153 | 346 | 355 |
| 4x150 | 49.0 | 7200 | 500 | 0.124 | 390 | 407 |
| 4x185 | 54.5 | 8950 | 500 | 0.0991 | 441 | 469 |
| 4x240 | 62.0 | 11600 | 250 | 0.0754 | 511 | 551 |
| 4x300 | 70.0 | 14400 | 250 | 0.0601 | 580 | 638 |
| 4x400 | 80.0 | 19000 | 250 | 0.0470 | 663 | 746 |

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
In air : 30 °C, load factor 1.0
*** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7
**** cm : Trefoil formation
Number of system : 1



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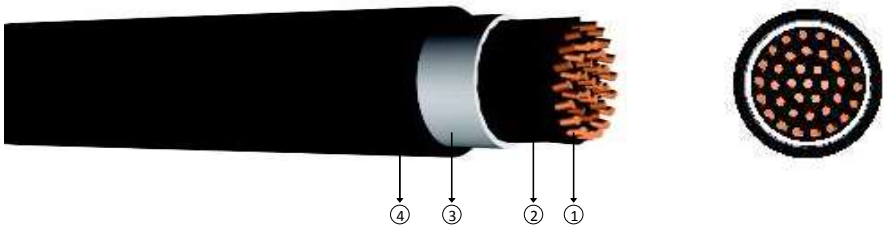


# ■ N2XY 0,6 - 1 kV / CU/XLPE/PVC

0.6/1 kV XLPE Insulated, control cables with copper conductor

U: Solid Conductor

**Standards:** IEC 60502 - 1, VDE 0271

**Technical Data**

| | |
|---|---|
| Max. operating temperature | : 90 °C |
| Max. short circuit temperature | : 250 °C (max. 5 sec.) |
| Rated voltage Min. | : 0.6/1 kV |
| bending radius D | : 12 x D |
| | : Cable outer diameter |

**Application**

These cables have a low dielectric loss, used as control cables, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

**Construction**

1. Solid copper conductor
2. XLPE insulation
3. Filler
4. PVC outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|---|---|---|---|---|---|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 5x1.5 | 12.0 | 240 | 1000 | 12.1 | 21.0 | 18.0 |
| 6x1.5 | 13.0 | 250 | 1000 | 12.1 | 19.5 | 16.8 |
| 7x1.5 | 13.0 | 270 | 1000 | 12.1 | 18.0 | 15.6 |
| 8x1.5 | 15.0 | 340 | 1000 | 12.1 | 16.5 | 14.4 |
| 10x1.5 | 15.7 | 420 | 1000 | 12.1 | 15.0 | 13.2 |
| 12x1.5 | 15.7 | 450 | 1000 | 12.1 | 14.3 | 12.6 |
| 14x1.5 | 17.0 | 500 | 1000 | 12.1 | 13.5 | 12.0 |
| 16x1.5 | 17.5 | 550 | 1000 | 12.1 | 12.8 | 11.4 |
| 19x1.5 | 18.5 | 620 | 1000 | 12.1 | 12.0 | 10.8 |
| 21x1.5 | 20.5 | 680 | 1000 | 12.1 | 11.3 | 10.2 |
| 24x1.5 | 22.0 | 800 | 1000 | 12.1 | 10.5 | 9.6 |
| 27x1.5 | 22.5 | 850 | 1000 | 12.1 | 10.2 | 9.4 |
| 30x1.5 | 22.5 | 900 | 1000 | 12.1 | 9.9 | 9.1 |
| 37x1.5 | 25.0 | 1050 | 1000 | 12.1 | 9.3 | 8.6 |
| 40x1.5 | 26.0 | 1150 | 1000 | 12.1 | 9.0 | 8.4 |
| 48x1.5 | 28.0 | 1400 | 1000 | 12.1 | 8.4 | 7.9 |
| 52x1.5 | 29.0 | 1450 | 1000 | 12.1 | 7.8 | 7.4 |
| 61x1.5 | 31.0 | 1700 | 1000 | 12.1 | 7.5 | 7.2 |

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor
In air 0.7 : 30 °C, load factor 1.0
Number of system : 1

# N2XY 0,6 - 1 kV
CU/XLPE/PVC

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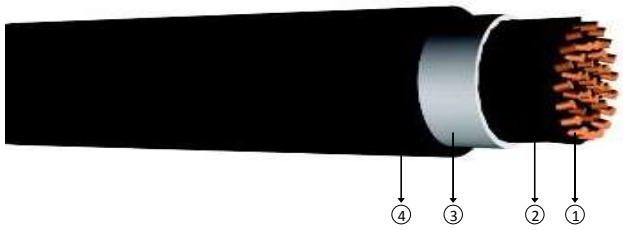


## ■ N2XY 0,6 - 1 kV / CU/XLPE/PVC

0.6/1 kV PVC Insulated, concentric conductor screen, multi-core cables with copper conductor

U: Solid Conductor
R: Stranded Conductor Rigid

**Standards:** IEC 60502 - 1, VDE 0271

**Technical Data**

| | |
|---|---|
| Max. operating temperature | : 90 °C |
| Max. short circuit temperature | : 250 °C (max. 5 sec.) |
| Rated voltage Min. | : 0.6/1 kV |
| bending radius D | : 12 x D |
| | : Cable outer diameter |

**Application**

These cables have a low dielectric loss, used as control cables, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

**Construction**

1. Solid or stranded copper conductor
2. XLPE insulation
3. Filler
4. PVC outer jacket

| DIMENSION AND WEIGHTS | | | ELECTRICAL PROPERTIES | | | |
|---|---|---|---|---|---|---|
| Nominal Cross Section | Overall Diameter (approx) | Net Weight (approx) | Delivery Length | DC Conductor Resistance at 20 °C Max | Current Carrying Capacity (A) | |
| mm² | mm | kg/km | m | ohm/km | In ground at 20 °C | In air at 30 °C |
| 5x2.5 | 13.0 | 280 | 1000 | 7.41 | 28 | 24.0 |
| 6x2.5 | 14.0 | 330 | 1000 | 7.41 | 26 | 22.0 |
| 7x2.5 | 14.0 | 350 | 1000 | 7.41 | 24 | 21.0 |
| 8x2.5 | 15.0 | 450 | 1000 | 7.41 | 22 | 19.0 |
| 10x2.5 | 17.0 | 510 | 1000 | 7.41 | 20 | 17.5 |
| 12x2.5 | 17.5 | 570 | 1000 | 7.41 | 19 | 16.5 |
| 14x2.5 | 18.0 | 640 | 1000 | 7.41 | 18 | 16.0 |
| 16x2.5 | 19.0 | 720 | 1000 | 7.41 | 16.5 | 15.0 |
| 19x2.5 | 20.0 | 800 | 1000 | 7.41 | 16 | 14.5 |
| 21x2.5 | 20.5 | 870 | 1000 | 7.41 | 15 | 13.5 |
| 24x2.5 | 23.0 | 1040 | 1000 | 7.41 | 14 | 13.0 |
| 27x2.5 | 24.0 | 1100 | 1000 | 7.41 | 13.5 | 12.5 |
| 30x2.5 | 25.0 | 1200 | 1000 | 7.41 | 13.0 | 12.0 |
| 37x2.5 | 27.0 | 1450 | 1000 | 7.41 | 12.5 | 11.5 |
| 40x2.5 | 28.0 | 1550 | 1000 | 7.41 | 12.0 | 11.0 |
| 48x2.5 | 30.0 | 1900 | 1000 | 7.41 | 11.0 | 10.5 |
| 52x2.5 | 32.0 | 2050 | 1000 | 7.41 | 10.5 | 10.0 |
| 61x2.5 | 34.0 | 2300 | 1000 | 7.41 | 10.0 | 9.5 |

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
In air : 30 °C, load factor 1.0
*** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7 cm : Trefoil formation
Number of system : 1



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