SUQMAcable

KABEL PILIHAN TERBAIK

# PRODUCT CATALOGUE

PT. Summa Makmur Persada Cikande-Serang Banten 42177

suqmaelectric

www.suqmaelectric.com

# About SUQMAcable

PT. Summa Makmur Persada is established in 2019. The company is specialized in manufacturing power cable and conductor under the brand "SUQMA CABLE"

Our factory is located in Cikande, Serang, Indonesia and Head Office in Jakarta.

PT. Summa Makmur Persada has received an ISO 9001 certification for its Quality Management System, ISO 18001 for its Health and Safety Management System, ISO 14001 for its Environment Management System.

For the Product Quality Assurance, PT. Summa Makmur Persada has been certified with SNI and SPLN-LMK for its Product Standards Certification from Indonesia State Grid Company or usually known as PT. PLN (Persero).

We are keen to grow into a well-established company and a leading player in our business category. We pursue our mission through strong company commitment to create sustainable and high quality products, as well as after-sales service and prompt technical support. In All, We are constantly innovating our product to provide brighter and greener environment that bring power into people life.

# SUQMAcable Certifications

SUQMAcable is dedicated to manufacturing high-quality products that prioritize safety, performance, and sustainability, delivering trusted and reliable cable solutions tailored to your needs.

**ISO 9001 : 2015 Certificate**
Quality Management System

**SMK3 Certificate**
Occupational Safety And Health Management System

**SNI LMK**
Product Certification

**SPM LMK PLN**
Quality Surveillance System

**TKDN**
Local Content Certificate

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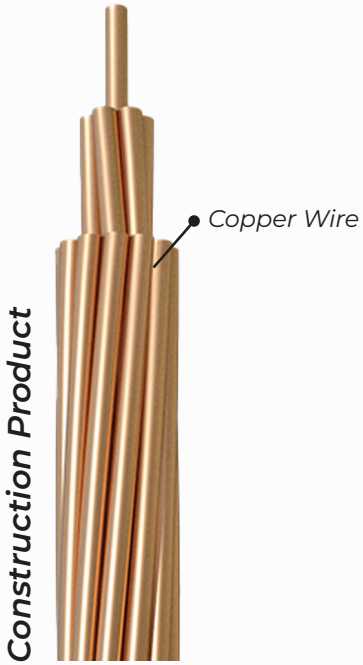



# BCC

## *Bare Copper Conductor (1/2Hard; Hard)*

**Reference Standard:**
SPLN 41-4 / SPLN 41-5

**Application:**
Used for grounding system

### Dimensional Mechanical and Electrical Data

| Nominal cross sectional area | No of wire | Diameter of wire | Conductor diameter (approx) | Weight of product (approx) | Max.DC conductor resistance at 20°C | | Min. breaking load | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1/2 Hard | Hard | 1/2 Hard | Hard | |
| $mm^2$ | pcs | mm | mm | kg/km | Ω/km | Ω/km | N | N | m |
| 6 | 1 | 2.80 | 2.8 | 55 | 2.8961 | 2.8994 | 2,050 | 2,600 | 10,000 |
| 10 | 1 | 3.50 | 3.5 | 86 | 1.8545 | 1.8565 | 3,850 | 4,900 | 10,000 |
| 10 | 7 | 1.35 | 4.1 | 90 | 1.8160 | 1.8181 | 4,050 | 5,150 | 10,000 |
| 16 | 7 | 1.70 | 5.1 | 142 | 1.1452 | 1.1465 | 4,900 | 6,900 | 5,000 |
| 25 | 7 | 2.10 | 6.3 | 217 | 0.7504 | 0.7512 | 9,000 | 11,400 | 5,000 |
| 35 | 7 | 2.50 | 7.5 | 308 | 0.5296 | 0.5302 | 11,250 | 13,850 | 5,000 |
| 50 | 19 | 1.80 | 9.0 | 433 | 0.3781 | 0.3785 | 15,000 | 18,750 | 5,000 |
| 70 | 19 | 2.10 | 10.5 | 590 | 0.2778 | 0.2781 | 24,450 | 31,000 | 5,000 |
| 95 | 19 | 2.50 | 12.5 | 836 | 0.1961 | 0.1963 | 30,200 | 37,800 | 5,000 |
| 120 | 19 | 2.80 | 14.0 | 1,048 | 0.1563 | 0.1565 | 36,150 | 45,750 | 5,000 |
| 150 | 37 | 2.25 | 15.8 | 1,318 | 0.1243 | 0.1244 | 47,650 | 60,300 | 5,000 |
| 185 | 37 | 2.50 | 17.5 | 1,628 | 0.1007 | 0.1008 | 58,500 | 73,650 | 5,000 |
| 240 | 61 | 2.25 | 20.3 | 2,173 | 0.0754 | 0.0755 | 78,550 | 99,450 | 5,000 |
| 300 | 61 | 2.50 | 22.5 | 2,683 | 0.0611 | 0.0611 | 96,450 | 124,050 | 2,000 |
| 400 | 61 | 2.89 | 26.0 | 3,586 | 0.0457 | 0.0458 | 136,900 | 172,400 | 2,000 |
| 500 | 61 | 3.23 | 29.1 | 4,479 | 0.0366 | 0.0367 | 160,650 | 202,450 | 2,000 |

Construction Product

# AAC

## All Aluminium Conductor

**Reference Standard:**
SPLN 41-6: 1981

**Application:**
Used for overhead transmission and distribution

### Dimensional Mechanical and Electrical Data

| Nominal cross sectional area | No of wire | Diameter of wire | Conductor diameter (approx) | Weight of product (approx) | Max.DC conductor resistance at 20°C | Max. Current carrying capacity *) | Min. Calculated breaking load | Standard delivery length |
|---|---|---|---|---|---|---|---|---|
| $mm^2$ | pcs | mm | mm | kg/km | Ω/km | A | kg | m |
| 16 | 7 | 1.75 | 5.3 | 46 | 1.700 | 105 | 310 | 10,000 |
| 25 | 7 | 2.25 | 6.8 | 76 | 1.029 | 145 | 490 | 10,000 |
| 35 | 7 | 2.50 | 7.5 | 94 | 0.8332 | 165 | 590 | 10,000 |
| 50 | 7 | 3.00 | 9.0 | 135 | 0.5786 | 205 | 810 | 5,000 |
| 50 | 19 | 1.75 | 8.8 | 126 | 0.6295 | 195 | 835 | 5,000 |
| 55 | 7 | 3.25 | 9.8 | 160 | 0.4930 | 230 | 935 | 5,000 |
| 70 | 19 | 2.25 | 11.3 | 208 | 0.3808 | 270 | 1,040 | 5,000 |
| 95 | 19 | 2.50 | 12.5 | 256 | 0.3084 | 305 | 1,560 | 5,000 |
| 100 | 7 | 4.25 | 12.8 | 272 | 0.2883 | 320 | 1,540 | 5,000 |
| 120 | 19 | 2.75 | 13.8 | 310 | 0.2549 | 345 | 1,890 | 5,000 |
| 150 | 19 | 3.25 | 16.3 | 434 | 0.1825 | 430 | 2,530 | 5,000 |
| 150 | 37 | 2.25 | 15.8 | 406 | 0.1960 | 410 | 2,575 | 5,000 |
| 185 | 37 | 2.50 | 17.5 | 501 | 0.1587 | 470 | 3,110 | 2,000 |
| 240 | 19 | 4.00 | 20.0 | 670 | 0.1191 | 555 | 4,020 | 2,000 |
| 240 | 61 | 2.25 | 20.2 | 657 | 0.1205 | 560 | 3,700 | 2,000 |
| 300 | 61 | 2.50 | 22.5 | 827 | 0.0965 | 640 | 4,850 | 2,000 |
| 400 | 61 | 3.00 | 27.0 | 1,191 | 0.6700 | 805 | 6,675 | 1,000 |
| 500 | 61 | 3.25 | 29.3 | 1,398 | 0.0571 | 890 | 7,700 | 1,000 |
| 630 | 91 | 3.00 | 33.0 | 1,782 | 0.4500 | 1,030 | 9,960 | 1,000 |
| 800 | 91 | 3.25 | 35.8 | 2,091 | 0.0384 | 1,135 | 11,480 | 1,000 |
| 1000 | 91 | 3.75 | 41.3 | 2,784 | 0.0288 | 1,345 | 14,925 | 1,000 |

*NOTE :*) Continuous operating temperature of conductor = 80°C , Air temperature = 35°C, wind velocity = 0.6 m/sec*

Construction Product

# AAAC

## *All Aluminium Alloy Conductor*

**Reference Standard:**
SPLN 41-8: 1981

**Application:**
Used for overhead transmission and distribution

### Dimensional Mechanical and Electrical Data

| Nominal cross sectional area | No of wire | Diameter of wire | Conductor diameter (approx) | Weight of product (approx) | Max.DC conductor resistance at 20°C | Max. Current carrying capacity *) | Min. Calculated breaking load | Standard delivery length |
|---|---|---|---|---|---|---|---|---|
| $mm^2$ | pcs | mm | mm | kg/km | Ω/km | A | kg | m |
| 16 | 7 | 1.75 | 5.3 | 46 | 1.955 | 105 | 480 | 10,000 |
| 25 | 7 | 2.25 | 6.8 | 76 | 1.183 | 135 | 790 | 10,000 |
| 35 | 7 | 2.50 | 7.5 | 94 | 0.958 | 170 | 980 | 10,000 |
| 50 | 7 | 3.00 | 9.0 | 135 | 0.665 | 210 | 1,410 | 5,000 |
| 50 | 19 | 1.75 | 8.8 | 126 | 0.724 | 210 | 1,300 | 5,000 |
| 55 | 7 | 3.25 | 9.8 | 160 | 0.567 | 215 | 1,655 | 5,000 |
| 70 | 19 | 2.25 | 11.3 | 208 | 0.438 | 155 | 2,150 | 5,000 |
| 95 | 19 | 2.50 | 12.5 | 256 | 0.355 | 320 | 2,660 | 5,000 |
| 100 | 7 | 4.25 | 12.8 | 272 | 0.332 | 337 | 2,830 | 5,000 |
| 120 | 19 | 2.75 | 13.8 | 310 | 0.293 | 365 | 3,220 | 5,000 |
| 150 | 19 | 3.25 | 16.3 | 434 | 0.21 | 425 | 4,490 | 5,000 |
| 150 | 37 | 2.25 | 15.8 | 406 | 0.225 | 425 | 4,190 | 5,000 |
| 185 | 37 | 2.50 | 17.5 | 501 | 0.183 | 490 | 5,175 | 2,000 |
| 240 | 19 | 4.00 | 20.0 | 670 | 0.137 | 585 | 6,805 | 2,000 |
| 240 | 61 | 2.25 | 20.2 | 657 | 0.139 | 585 | 6,910 | 2,000 |
| 300 | 61 | 2.50 | 22.5 | 827 | 0.111 | 670 | 8,530 | 2,000 |
| 400 | 61 | 3.00 | 27.0 | 1,191 | 0.077 | 810 | 12,290 | 1,000 |
| 500 | 61 | 3.25 | 29.3 | 1,398 | 0.066 | 930 | 14,420 | 1,000 |
| 630 | 91 | 3.00 | 33.0 | 1,782 | 0.052 | 1,075 | 18,330 | 1,000 |
| 800 | 91 | 3.25 | 35.8 | 2,091 | 0.044 | 1,255 | 21,515 | 1,000 |
| 1000 | 91 | 3.75 | 41.3 | 2,784 | 0.033 | 1,450 | 28,640 | 1,000 |

*NOTE : *) Continuous operating temperature of conductor = 80°C , Air temperature = 35°C, wind velocity = 0.6 m/sec*

Construction Product

# ACSR/AS

## *Aluminium Conductor, Aluminium Clad Steel Reinforced*

**Reference Standard:**
SPLN T3.001-1: 2015

**Application:**
Used for overhead transmission

### Dimensional Mechanical and Electrical Data

| Tipe | Cond. | Cross sectional area | Number of wire | Diameter of wire | Overall diameter of Cond | Ratio of steel | Weight of product (approx) | Max.DC conductor resistance at 20°C | Current carrying capacity *) | Breaking load min. | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mm2 | pcs | mm | mm | % | kg/km | Ω/km | A | kN | m |
| 250 | A1 | 240 | 26 | 3.43 | 21.7 | 16.3 | 921.5 | 0.1154 | 645 | 86.58 | 2,000 |
| | SA1A | 39.1 | 7 | 2.67 | | | | | | | |
| 450 | A1 | 436 | 54 | 3.21 | 28.9 | 13.0 | 1578.2 | 0.0642 | 865 | 139.72 | 2,000 |
| | SA1A | 56.5 | 7 | 3.21 | | | | | | | |

*NOTE : *) Continuous operating temperature of conductor = 80°C , Air temperature = 35°C, wind velocity = 0.6 m/sec*

Construction Product

# ACSR/AS (DIN)

## *Aluminium Conductor, Aluminium Clad Steel Reinforced*

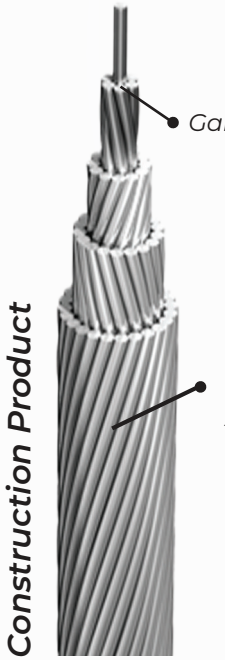
**Reference Standard:**
DIN 48200-8 / DIN 48204

**Application:**
Used for overhead distribution and transmission line

## Dimensional Mechanical and Electrical Data

| Nominal Cross Sectional Area | No/Dia of wire | | Calculated Cross section area | | | Conductor diameter (approx) | Weight of product (approx) | Max.DC conductor resistance at 20°C | Min. Calculated breaking load | Current carrying capacity *) | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Alumunium | As Wire | Alumunium | As Wire | Total | | | | | | |
| $mm^2$ | pcs/mm | | $mm^2$ | | | mm | kg/km | Ω/km | kN | A | m |
| 16/2.5 | 6/1.80 | 1/1.80 | 15.27 | 2.54 | 17.81 | 5.40 | 59 | 1.7790 | 5.95 | 105 | 10,000 |
| 24/5 | 6/2.25 | 1/2.25 | 23.86 | 3.98 | 27.84 | 6.75 | 92 | 1.1390 | 9.20 | 135 | 10,000 |
| 36/6 | 6/2.70 | 1/2.70 | 34.35 | 5.73 | 40.08 | 8.10 | 132 | 0.7906 | 12.96 | 170 | 10,000 |
| 44/32 | 24/2.00 | 7/2.40 | 43.98 | 31.67 | 75.65 | 11.20 | 331 | 0.5282 | 47.06 | 230 | 5,000 |
| 50/8 | 6/3.20 | 1/3.20 | 48.25 | 8.04 | 56.29 | 9.60 | 185 | 0.5629 | 17.90 | 210 | 10,000 |
| 50/30 | 12/2.33 | 7/2.33 | 51.17 | 29.85 | 81.02 | 11.65 | 339 | 0.4712 | 45.75 | 245 | 5,000 |
| 70/12 | 26/1.85 | 7/1.44 | 69.89 | 11.40 | 81.29 | 11.72 | 268 | 0.3915 | 26.91 | 270 | 5,000 |
| 95/15 | 26/2.25 | 7/1.67 | 103.38 | 15.33 | 118.71 | 14.01 | 262 | 0.2899 | 35.90 | 325 | 5,000 |
| 95/55 | 12/3.20 | 7/3.20 | 96.51 | 56.30 | 152.81 | 16.00 | 639 | 0.2498 | 85.21 | 360 | 3,000 |
| 105/75 | 14/3.10 | 19/2.25 | 105.67 | 75.55 | 181.22 | 17.75 | 794 | 0.2203 | 110.40 | 400 | 3,000 |
| 120/20 | 26/2.44 | 7/1.90 | 121.57 | 19.85 | 141.42 | 15.46 | 467 | 0.2250 | 45.85 | 380 | 5,000 |
| 120/70 | 12/3.60 | 7/3.60 | 122.15 | 71.25 | 193.40 | 18.00 | 809 | 0.1974 | 99.55 | 425 | 3,000 |
| 125/30 | 30/2.33 | 7/2.33 | 127.92 | 29.85 | 157.77 | 16.31 | 551 | 0.2093 | 59.30 | 400 | 5,000 |
| 150/25 | 26/2.70 | 7/2.10 | 148.86 | 24.25 | 173.11 | 17.10 | 571 | 0.1838 | 55.50 | 430 | 5,000 |
| 170/40 | 30/2.70 | 7/2.70 | 171.77 | 40.08 | 211.85 | 18.90 | 740 | 0.1559 | 78.95 | 480 | 3,000 |
| 185/30 | 26/3.00 | 7/2.33 | 183.78 | 29.85 | 213.63 | 18.99 | 705 | 0.1489 | 67.71 | 495 | 3,000 |
| 210/35 | 26/3.20 | 7/2.49 | 209.10 | 34.09 | 243.19 | 20.27 | 802 | 0.1308 | 76.56 | 535 | 3,000 |
| 210/50 | 30/3.00 | 7/3.00 | 212.06 | 49.48 | 261.54 | 21.00 | 913 | 0.1263 | 96.66 | 550 | 3,000 |
| 230/30 | 24/3.50 | 7/2.33 | 230.91 | 29.85 | 260.76 | 20.99 | 834 | 0.1197 | 74.56 | 565 | 3,000 |
| 240/40 | 26/3.45 | 7/2.68 | 243.05 | 39.49 | 282.54 | 21.84 | 932 | 0.1126 | 88.41 | 590 | 3,000 |
| 265/35 | 24/3.74 | 7/2.49 | 263.66 | 34.09 | 297.75 | 22.43 | 953 | 0.1048 | 84.60 | 615 | 3,000 |
| 300/50 | 26/3.86 | 7/3.00 | 304.26 | 49.48 | 353.74 | 24.44 | 1,167 | 0.0899 | 109.51 | 680 | 2,000 |
| 305/40 | 54/2.68 | 7/2.68 | 304.62 | 39.49 | 344.11 | 24.12 | 1,103 | 0.0909 | 101.15 | 670 | 2,000 |
| 340/30 | 48/3.00 | 7/2.33 | 339.29 | 29.85 | 369.14 | 24.99 | 1,134 | 0.0827 | 93.95 | 710 | 2,000 |
| 380/50 | 54/3.00 | 7/3.00 | 381.70 | 49.48 | 431.18 | 21.00 | 1,382 | 0.0725 | 125.25 | 725 | 2,000 |
| 385/35 | 48/3.20 | 7/2.49 | 386.04 | 34.09 | 420.13 | 26.67 | 1,291 | 0.0727 | 105.91 | 770 | 2,000 |
| 435/55 | 54/3.20 | 7/3.20 | 434.29 | 56.30 | 490.59 | 28.80 | 1,572 | 0.0638 | 141.21 | 840 | 1,500 |
| 450/40 | 48/3.45 | 7/2.68 | 448.71 | 39.49 | 488.20 | 28.74 | 1,500 | 0.0625 | 122.06 | 845 | 1,500 |
| 490/65 | 54/3.40 | 7/3.40 | 490.28 | 62.55 | 552.83 | 30.60 | 1,774 | 0.0565 | 154.06 | 905 | 1,500 |
| 495/35 | 45/3.74 | 7/2.49 | 494.36 | 34.09 | 528.45 | 29.91 | 1,594 | 0.0571 | 121.91 | 895 | 1,500 |
| 510/45 | 48/3.68 | 7/2.87 | 510.54 | 45.28 | 555.82 | 30.69 | 1,708 | 0.0549 | 138.30 | 915 | 1,500 |
| 550/70 | 54/3.60 | 7/3.60 | 549.65 | 71.25 | 620.90 | 32.40 | 1,990 | 0.0504 | 168.75 | 970 | 1,500 |
| 560/50 | 48/3.86 | 7/3.00 | 561.70 | 49.48 | 611.18 | 32.16 | 1,878 | 0.0500 | 101.55 | 970 | 1,500 |
| 570/40 | 45/4.02 | 7/2.68 | 571.16 | 39.49 | 610.65 | 32.16 | 1,823 | 0.0494 | 139.85 | 975 | 1,500 |
| 650/45 | 45/4.30 | 7/2.87 | 653.49 | 45.28 | 698.77 | 34.41 | 2,106 | 0.0432 | 159.56 | 1,060 | 1,000 |
| 680/85 | 54/4.00 | 19/2.40 | 678.58 | 85.95 | 764.53 | 36.00 | 2,445 | 0.00409 | 214.15 | 1100 | 1000 |
| 1045/45 | 72/4.30 | 7/2.87 | 1,045.58 | 45.28 | 1090.86 | 43.01 | 3,207 | 0.0274 | 221.85 | 1390 | 500 |

*NOTE :*) Continuous operating temperature of conductor = 80°C , Air temperature = 35°C, wind velocity = 0.6 m/sec*




Construction Product

# TACSR

## *Thermal Resistance aluminium Alloy conductor Steel Reinforced*

**Reference Standard:**
JEC 197 ; JPFEC A-242

**Application:**
Used for overhead distribution and transmission line at high operating temperature

### Dimensional Mechanical and Electrical Data

| Size | No/Dia of wire | | Calculated Cross section area | | | Conductor diameter (approx) | Weight of product (approx) | Max.DC conductor resistance at 20°C | Min. Calculated breaking load | Current carrying capacity *) | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | TAL wire | GSW | TAL wire | GSW | Total | | | | | | |
| $mm^2$ | pcs/mm | pcs/mm | $mm^2$ | $mm^2$ | $mm^2$ | mm | kg/km | Ω/km | kgf | A | m |
| 160 | 30/2.6 | 7/2.6 | 159.28 | 37.17 | 196.45 | 18.2 | 733 | 0.185 | 6,980 | 745 | 2,000 |
| 240 | 30/3.2 | 7/3.2 | 241.27 | 56.30 | 297.57 | 22.4 | 1,110 | 0.122 | 10,210 | 980 | 2,000 |
| 330 | 26/4.0 | 7/3.1 | 326.73 | 52.83 | 379.56 | 25.3 | 1,320 | 0.0904 | 10,950 | 1,190 | 2,000 |
| 410 | 26/4.5 | 7/3.5 | 413.51 | 67.35 | 480.86 | 28.5 | 1,673 | 0.0714 | 13,910 | 1,390 | 2,000 |
| 610 | 54/3.8 | 7/3.8 | 612.42 | 79.39 | 691.81 | 34.2 | 2,320 | 0.0481 | 18,350 | 1,795 | 2,000 |
| 680 | 45/4.4 | 7/2.9 | 684.24 | 46.24 | 730.48 | 35.1 | 2,260 | 0.0431 | 15,580 | 1,920 | 2,000 |
| 810 | 45/4.8 | 7/3.2 | 814.30 | 56.30 | 870.60 | 38.4 | 2,700 | 0.0363 | 18,480 | 2,145 | 1,000 |
| 1160 | 84/4.2 | 7/4.2 | 1163.77 | 96.98 | 1260.75 | 46.2 | 3,996 | 0.0254 | 27,830 | 2,700 | 1,000 |
| 1520 | 84/4.8 | 7/4.8 | 1520.03 | 126.67 | 1646.70 | 52.8 | 5,221 | 0.0195 | 36,390 | 3,185 | 1,000 |

*NOTE : *) Continuous operating temperature of conductor = 150°C, Air temperature = 35°C, wind velocity = 0.6 m/sec*

Construction Product

# ACSR

## *Aluminium Conductor Steel Reinforced*

**Reference Standard:**
SPLN 41-7

**Application:**
Used for overhead distribution and transmission line

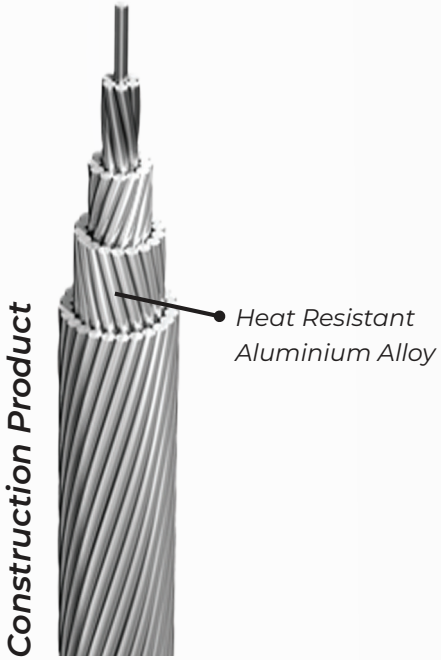
## Dimensional Mechanical and Electrical Data

| Nominal Cross Sectional Area | No/Dia of wire | | Calculated Cross section area | | | Conductor diameter (approx) | Weight of product (approx) | Max.DC conductor resistance at 20°C | Min. Calculated breaking load | Current carrying capacity *) | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Alumunium | Steel | Alumunium | Steel | Total | | | | | | |
| $mm^2$ | pcs/mm | | $mm^2$ | | | mm | kg/km | Ω/km | kN | A | m |
| 16/2.5 | 6/1.80 | 1/1.80 | 15.3 | 2.55 | 17.85 | 5.4 | 63 | 1.8790 | 5.95 | 100 | 10,000 |
| 24/5 | 6/2.25 | 1/2.25 | 23.8 | 4.0 | 27.8 | 6.8 | 98 | 1.2030 | 9.20 | 135 | 10,000 |
| 36/6 | 6/2.70 | 1/2.70 | 34.3 | 5.7 | 40 | 8.1 | 140 | 0.8353 | 12.65 | 165 | 10,000 |
| 44/32 | 24/2.00 | 7/2.40 | 44.0 | 31.7 | 75.7 | 11.2 | 379 | 0.6573 | 43.00 | 205 | 5,000 |
| 50/8 | 6/3.20 | 1/3.20 | 48.3 | 8.0 | 56.3 | 9.6 | 197 | 0.5946 | 17.10 | 205 | 10,000 |
| 50/30 | 12/2.33 | 7/2.33 | 51.2 | 29.8 | 81.0 | 11.7 | 383 | 0.5644 | 43.80 | 225 | 5,000 |
| 70/12 | 26/1.85 | 7/1.44 | 69.9 | 11.4 | 81.3 | 11.7 | 284 | 0.4130 | 26.80 | 260 | 5,000 |
| 95/15 | 26/2.25 | 7/1.67 | 94.4 | 15.3 | 109.7 | 13.6 | 383 | 0.3053 | 35.75 | 315 | 5,000 |
| 95/55 | 12/3.20 | 7/3.20 | 96.5 | 56.3 | 152.8 | 16 | 723 | 0.2992 | 79.35 | 335 | 3,000 |
| 105/75 | 14/3.10 | 19/2.25 | 105.7 | 75.5 | 181.2 | 17.5 | 908 | 0.2736 | 108.45 | 355 | 3,000 |
| 120/20 | 26/2.44 | 7/1.90 | 121.6 | 19.8 | 141.4 | 15.5 | 494 | 0.2374 | 45.65 | 370 | 5,000 |
| 120/70 | 12/3.60 | 7/3.60 | 122 | 71.3 | 193.3 | 18 | 915 | 0.2364 | 100.00 | 385 | 3,000 |
| 125/30 | 30/2.33 | 7/2.33 | 127.9 | 29.8 | 157.7 | 16.1 | 593 | 0.2259 | 57.60 | 385 | 3,000 |
| 150/25 | 26/2.70 | 7/2.10 | 148.9 | 24.2 | 173.1 | 17.1 | 604 | 0.1939 | 55.25 | 420 | 3,000 |
| 170/40 | 30/2.70 | 7/2.70 | 171.8 | 40.1 | 211.9 | 13.9 | 796 | 0.1682 | 76.75 | 465 | 3,000 |
| 185/30 | 26/3.00 | 7/2.33 | 183.8 | 29.8 | 213.6 | 19 | 745 | 0.1571 | 66.20 | 480 | 3,000 |
| 210/35 | 26/3.20 | 7/2.49 | 209.1 | 34.1 | 243.2 | 20.3 | 848 | 0.1380 | 74.90 | 520 | 3,000 |
| 210/50 | 30/3.00 | 7/3.00 | 212.1 | 49.5 | 261.6 | 21 | 982 | 0.1363 | 93.90 | 530 | 3,000 |
| 230/30 | 24/3.50 | 7/2.33 | 230.9 | 29.8 | 260.7 | 21 | 873 | 0.1249 | 73.10 | 555 | 3,000 |
| 240/40 | 26/3.45 | 7/2.68 | 243.7 | 39.5 | 283.2 | 21.9 | 985 | 0.1188 | 86.40 | 575 | 3,000 |
| 265/35 | 24/3.74 | 7/2.49 | 263.7 | 34.1 | 297.8 | 22.4 | 997 | 0.1094 | 83.05 | 600 | 2,000 |
| 300/50 | 26/3.86 | 7/3.00 | 304.3 | 49.5 | 353.8 | 24.4 | 1,234 | 0.09490 | 107.00 | 755 | 2,000 |
| 305/40 | 54/2.68 | 7/2.68 | 304.6 | 39.5 | 344.1 | 24.1 | 1,153 | 0.09490 | 99.40 | 750 | 2,000 |
| 340/30 | 48/3.00 | 7/2.33 | 339.3 | 29.8 | 369.1 | 25 | 1,169 | 0.08525 | 92.90 | 800 | 2,000 |
| 380/50 | 54/3.00 | 7/3.00 | 381.7 | 49.5 | 431.2 | 27 | 1,445 | 0.07573 | 123.10 | 865 | 2,000 |
| 385/35 | 48/3.20 | 7/2.49 | 386.0 | 34.1 | 420.1 | 26.7 | 1,331 | 0.07493 | 104.80 | 870 | 2,000 |
| 435/55 | 54/3.20 | 7/3.20 | 434.3 | 56.3 | 490.6 | 28.8 | 1,644 | 0.06656 | 136.45 | 940 | 1,500 |
| 450/40 | 48/3.45 | 7/2.68 | 448.7 | 39.5 | 488.2 | 28.7 | 1,546 | 0.06446 | 120.75 | 955 | 1,500 |
| 490/65 | 54/3.40 | 7/3.40 | 490.3 | 63.6 | 553.9 | 30.6 | 1,856 | 0.05896 | 153.10 | 1,015 | 1,500 |
| 495/35 | 45/3.74 | 7/2.49 | 494.4 | 34.1 | 528.5 | 29.9 | 1,626 | 0.05850 | 121.80 | 1,015 | 1,500 |
| 510/45 | 48/3.68 | 7/2.87 | 510.5 | 45.3 | 555.8 | 30.7 | 1,761 | 0.05665 | 136.65 | 1,035 | 1,500 |
| 550/70 | 54/3.60 | 7/3.60 | 549.7 | 71.3 | 621.0 | 32.4 | 2,080 | 0.05259 | 170.60 | 1,090 | 1,000 |
| 560/50 | 48/3.86 | 7/3.00 | 561.7 | 49.5 | 611.2 | 32.2 | 1,935 | 0.05149 | 148.95 | 1,100 | 1,500 |
| 570/40 | 45/4.02 | 7/2.68 | 571.2 | 39.5 | 610.7 | 32.2 | 1,879 | 0.05064 | 136.20 | 1,110 | 1,500 |
| 650/45 | 45/4.30 | 7/2.87 | 653.5 | 45.3 | 698.8 | 34.4 | 2,151 | 0.04426 | 155.50 | 1,205 | 1,000 |
| 680/85 | 54/4.00 | 19/2.40 | 678.6 | 86.0 | 764.6 | 36 | 2,554 | 0.04260 | 206.25 | 1,245 | 1,000 |
| 1045/45 | 72/4.30 | 7/2.87 | 1045.6 | 45.3 | 1090.9 | 43 | 3,219 | 0.02770 | 217.60 | 1,600 | 1,000 |

*NOTE : *) Continuous operating temperature of conductor = 150°C, Air temperature = 35°C, wind velocity = 0.6 m/sec*

# TAAAC/ TAL

## *Thermal Resistance aluminium Alloy conductor*




**Reference Standard:**
JEC 197

**Application:**
Used for overhead distribution and transmission line at high operating temperature

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Diameter of wire | Calculated cross section area | Conductor diameter (approx) | Weight of product (approx) | Max.DC conductor resistance at 20°C | Min. Calculated breaking load | Current carrying capacity *) | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|
| $mm^2$ | pcs | mm | $mm^2$ | mm | kg/km | Ω/km | kg | A | m |
| 150 | 19 | 3.20 | 152.8 | 16.0 | 419 | 0.1910 | 2,270 | 700 | 5,000 |
| 200 | 19 | 3.70 | 204.3 | 18.5 | 560 | 0.1430 | 3,030 | 850 | 5,000 |
| 240 | 19 | 4.00 | 238.8 | 20.0 | 655 | 0.1220 | 3,490 | 945 | 3,000 |
| 300 | 37 | 3.20 | 297.6 | 22.4 | 821 | 0.9850 | 4,430 | 1,090 | 3,000 |
| 400 | 37 | 3.70 | 397.8 | 25.9 | 1,097 | 0.0737 | 5,890 | 1,325 | 2,000 |
| 510 | 37 | 4.20 | 512.6 | 29.4 | 1,414 | 0.0571 | 4,760 | 1,565 | 2,000 |
| 660 | 61 | 3.70 | 655.9 | 33.3 | 1,812 | 0.0448 | 9,720 | 1,840 | 1,500 |
| 850 | 61 | 4.20 | 845.1 | 37.8 | 2,335 | 0.0347 | 12,300 | 2,175 | 1,000 |
| 980 | 91 | 3.70 | 978.4 | 40.7 | 2,716 | 0.0302 | 14,500 | 2,380 | 1,000 |
| 1,030 | 91 | 3.80 | 1,032.0 | 41.8 | 2,865 | 0.0286 | 15,320 | 2,465 | 1,000 |
| 1,260 | 91 | 4.20 | 1,260.8 | 46.2 | 3,501 | 0.0234 | 18,350 | 2,800 | 500 |

*NOTE : *) Continuous operating temperature of conductor = 150°C, Air temperature = 35°C, wind velocity = 0.6 m/sec*

Construction Product

# HTLS/ ACFR

## *High Temperature Low Sagging (HTLS) - Aluminium Conductor Fiber Reinforced (ACFR)*

**Reference Standard:**

SPLN T3.001-2-2: 2023

**Application:**

Used for overhead high voltage line transmission and for increase the power capacity of existing lines by replacing old type conductor AAAC/ACSR without the need to modify the line towers

## Dimensional Mechanical and Electrical Data

| Code Size | Type Conductor | Nominal Cross-section Area | | Stranding | | | Approx. Diameter | | Max.DC conductor resistance at 20°C | Current carrying capacity | Min. ultimate tensile stength | Weight of product (approx) | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | No of. core | Aluminium | | Core | Conductor | | | | | |
| | | Core | AL | | No of. Layer | No of. wire | | | | | | | |
| $mm^2$ | - | $mm^2$ | $mm^2$ | pcs | pcs | pcs | mm | mm | Ω/km | A | kN | kg/km | m |
| 150/30 | 1A | 28.2 | 146.7 | 7 | 2 | 16 | 6.8 | 15.65 | 0.191 | 767 | 68.75 | 450 | 2,400 / 3,600 |
| 215/30 | 1B | 28.2 | 212.9 | 7 | 2 | 16 | 6.8 | 18.29 | 0.131 | 976 | 72.56 | 630 | 2,400 / 3,600 |
| 315/40 | 2A | 37.2 | 311.5 | 7 | 2 | 16 | 7.8 | 22.4 | 0.089 | 1,269 | 95.3 | 920 | 2,400 / 3,600 |
| 365/40 | 2B | 44.1 | 365.1 | 7 | 2 | 20 | 8.5 | 24.2 | 0.076 | 1,410 | 115.0 | 1,075 | 2,400 / 3,600 |
| 415/40 | 2C | 44.1 | 414.8 | 7 | 2 | 22 | 8.5 | 25.3 | 0.067 | 1,525 | 118.2 | 1,215 | 2,400 / 3,600 |
| 515/55 | 2D | 55.1 | 515.7 | 7 | 2 | 26 | 9.5 | 28.14 | 0.054 | 1,760 | 147.4 | 1,510 | 2,400 / 3,600 |
| 550/55 | 2E | 56.3 | 547.1 | 7 | 3 | 36 | 9.6 | 29.3 | 0.052 | 1,819 | 150.0 | 1,600 | 2,400 / 3,600 |

**) Condition of current Carrying Capacity Calculation*

- *Conductivity of Aluminium : 61.8%*
- *Ambient Temperature : 35°C*
- *Wind Velocity : 0.6 m/s*
- *Solar Radiation : 0.1 W/cm²*
- *Radiation Factor : 0.9*
- *Continous Operating Temperature of conductor : 175° C*

Construction Product

# GSW

## *Galvanized Steel Wire*

**Reference Standard:**
JIS 3537

**Application:**
Used for overhead ground wire.

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Diameter of wire | Calculated cross section area | Conductor diameter (approx) | Weight of product (approx) | Min. Calculated breaking load | | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Grade 1 | Grade 2 | Grade 3 | |
| $mm^2$ | pcs | mm | $mm^2$ | mm | kg/km | kN | kN | kN | m |
| 10 | 7 | 1.40 | 10.8 | 4.2 | 85.3 | 12.2 | 8.78 | 6.83 | 4,000 |
| 16 | 7 | 1.80 | 17.8 | 5.4 | 141 | 20.1 | 14.4 | 11.3 | 4,000 |
| 25 | 7 | 2.30 | 29.1 | 6.9 | 230 | 32.8 | 23.6 | 18.3 | 4,000 |
| 35 | 7 | 2.60 | 37.2 | 7.8 | 294 | 42.0 | 30.2 | 23.5 | 3,000 |
| 35 | 19 | 1.60 | 38.2 | 8.0 | 304 | 42.1 | 30.4 | 23.6 | 3,000 |
| 50 | 7 | 2.90 | 46.2 | 8.7 | 366 | 52.2 | 37.6 | 29.2 | 2,000 |
| 50 | 19 | 1.80 | 48.3 | 9.0 | 384 | 53.4 | 38.4 | 29.8 | 2,000 |
| 55 | 7 | 3.20 | 56.3 | 9.6 | 446 | 63.7 | 45.7 | 35.6 | 2,000 |
| 55 | 19 | 2.00 | 59.7 | 10.0 | 474 | 65.9 | 47.5 | 36.9 | 2,000 |
| 70 | 7 | 3.50 | 67.3 | 10.5 | 533 | 75.8 | 54.7 | 42.5 | 2,000 |
| 70 | 19 | 2.30 | 78.9 | 11.5 | 627 | 87.0 | 62.8 | 48.8 | 2,000 |
| 95 | 19 | 2.60 | 100.9 | 13.0 | 802 | 112 | 80.1 | 62.4 | 2,000 |
| 120 | 19 | 2.90 | 125.5 | 14.5 | 997 | 138 | 100 | 77.5 | 2,000 |
| 150 | 19 | 3.20 | 152.8 | 16.0 | 1,210 | 170 | 122 | 94.4 | 2,000 |
| 185 | 19 | 3.50 | 182.8 | 17.5 | 1,452 | 201 | 145 | 113 | 2,000 |
| 240 | 19 | 4.00 | 238.8 | 20.0 | 1,896 | 263 | 189 | 147 | 2,000 |

Construction Product

# AS

## *Aluminium Clad Steel Wire*

**Reference Standard:**
ASTM B 416
SPLN T3.001-3-1:2024

**Application:**
Used for overhead transmission and distribution.

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Diameter of wire | Calculated cross section area | Conductor diameter (approx) | Weight of product (approx) | Max.DC conductor resistance at 20°C | Min. Calculated breaking load | Standard delivery length |
|---|---|---|---|---|---|---|---|---|
| $mm^2$ | pcs | mm | $mm^2$ | mm | kg/km | Ω/km | kN | m |
| 25 | 7 | 2.30 | 29.1 | 6.9 | 194 | 2.9324 | 35.34 | 4,000 |
| 35 | 7 | 2.59 | 36.9 | 7.8 | 245 | 2.3255 | 44.57 | 3,000 |
| 50 | 7 | 2.91 | 46.6 | 8.7 | 309 | 1.8442 | 56.18 | 2,000 |
| 55 | 7 | 3.20 | 56.3 | 9.6 | 376 | 1.5312 | 75.43 | 2,000 |
| 75 | 7 | 3.69 | 74.9 | 11.1 | 501 | 1.1455 | 93.75 | 2,000 |
| 95 | 19 | 2.50 | 93.3 | 12.5 | 626 | 0.9240 | 124.98 | 2,000 |
| 120 | 19 | 2.91 | 126.4 | 14.6 | 842 | 0.6821 | 152.53 | 2,000 |
| 150 | 19 | 3.26 | 158.6 | 16.3 | 1,062 | 0.5410 | 192.34 | 2,000 |
| 185 | 37 | 2.59 | 194.9 | 18.1 | 1,308 | 0.4442 | 235.54 | 2,000 |
| 240 | 37 | 2.91 | 246.1 | 20.4 | 1,649 | 0.3524 | 297.00 | 2,000 |
| 300 | 37 | 3.26 | 308.8 | 22.8 | 2,080 | 0.2794 | 374.54 | 2,000 |

Construction Product

*Annealed copper wire*
*(Circular Solid / Re) ≤ 10 mm²*
*(Round Stranded / Rm) ≥ 16 mm²*

*Polyvinyl Chloride (PVC)*

# (Cu/PVC)
# NYA

## *Single copper conductor PVC Insulated Cable*

**Reference Standard:**
SNI 04-6629.3-2006

**Rated Voltage:**
450/750 V

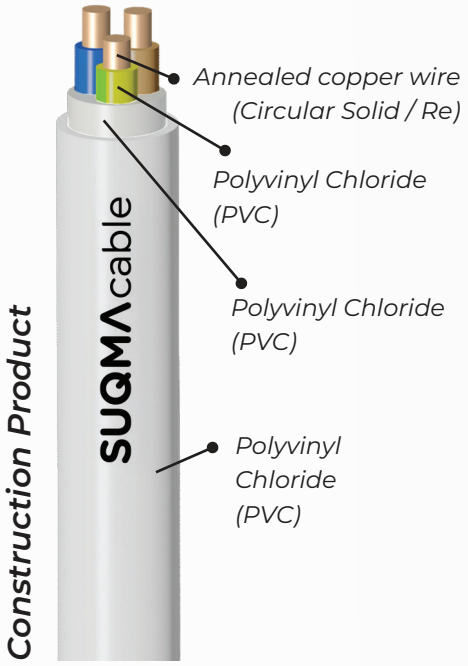
**Insulation Color:**
Black, Blue, Red, Yellow/Green, etc

**Application:**
This cable is used for grounding cable and fixed installations.

## Dimensional Mechanical and Electrical Data

| Size | No of wire / Conductor Shape | Nominal Insulation Thicness | Diameter cable (Approx.) | Weight of product (Approx) | DC conductor Resistance Max. at 20° C | insulation resistance Min. at 70° C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | In pipe | In Air | |
| $mm^2$ | pcs / - | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 1.5 | 1 / re | 0.7 | 2.8 | 20 | 12.1 | 0.011 | 15 | 24 | 100/coil |
| 2.5 | 1 / re | 0.8 | 3.4 | 31 | 7.41 | 0.010 | 19 | 32 | 100/coil |
| 4 | 1 / re | 0.8 | 3.8 | 46 | 4.61 | 0.0085 | 25 | 43 | 100/coil |
| 6 | 1 / re | 0.8 | 4.3 | 64 | 3.08 | 0.0070 | 33 | 54 | 100/coil |
| 10 | 1 / re | 1.0 | 5.5 | 106 | 1.83 | 0.0070 | 45 | 73 | 100/coil |
| 16 | 7 / rm | 1.0 | 7.0 | 173 | 1.15 | 0.0050 | 61 | 98 | 1,000 / drum |
| 25 | 7 / rm | 1.2 | 8.7 | 271 | 0.727 | 0.0050 | 83 | 129 | 1,000 / drum |
| 35 | 7 / rm | 1.2 | 9.9 | 367 | 0.524 | 0.0043 | 103 | 158 | 1,000 / drum |
| 50 | 19 / rm | 1.4 | 11.6 | 490 | 0.387 | 0.0043 | 132 | 197 | 1,000 / drum |
| 70 | 19 / rm | 1.4 | 13.3 | 687 | 0.268 | 0.0035 | 165 | 245 | 1,000 / drum |
| 95 | 19 / rm | 1.6 | 15.6 | 953 | 0.193 | 0.0035 | 207 | 290 | 1,000 / drum |
| 120 | 37 / rm | 1.6 | 17.1 | 1,175 | 0.153 | 0.0032 | 235 | 345 | 1,000 / drum |
| 150 | 37 / rm | 1.8 | 19.0 | 1,456 | 0.124 | 0.0032 | - | 390 | 1,000 / drum |
| 185 | 37 / rm | 2.0 | 21.4 | 1,832 | 0.0991 | 0.0032 | - | 445 | 1,000 / drum |
| 240 | 61 / rm | 2.2 | 24.3 | 2,383 | 0.0754 | 0.0032 | - | 525 | 1,000 / drum |
| 300 | 61 / rm | 2.4 | 27.1 | 2,992 | 0.0601 | 0.0030 | - | 605 | 1,000 / drum |

*NOTE : The following is general information, for further information please contact our marketing.*




## (Cu/PVC/PVC)

# NYM

*Multi Core copper conductor PVC insulated and PVC Sheathed Cable*

**Reference Standard:**
SNI 04-6629.4-2006

**Rated Voltage:**
300/500 V

**Insulation Color:**
Brown - Blue ( 2 Core)
Brown - Blue - Yellow/Green ( 3 Core)
Brown - Black - Grey - Yellow/Green (4 Core)

**Application:**
This cable is used for fixed installations in housing or buildings, this cable can be used in dry locations.

### Dimensional Mechanical and Electrical Data

| Size | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 70°C | Current carrying capacity in air | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | at 30°C | at 40°C | |
| $mm^2$ | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 2x1.5 | 0.7 | 2.8 | 1.2 | 8.7 | 125 | 12.1 | 0.010 | 19 | 16 | 50/100/coil |
| 2x2.5 | 0.8 | 3.4 | 1.2 | 9.9 | 168 | 7.41 | 0.009 | 25 | 22 | 50/100/coil |
| 2x4 | 0.8 | 3.8 | 1.2 | 10.8 | 214 | 4.61 | 0.0077 | 34 | 30 | 50/100/coil |
| 2x6 | 0.8 | 4.3 | 1.2 | 11.8 | 270 | 3.08 | 0.0065 | 44 | 39 | 50/100/coil |
| 2x10 | 1.0 | 5.5 | 1.4 | 15.0 | 442 | 1.83 | 0.0065 | 61 | 53 | 1,000/drum |
| 3x1.5 | 0.7 | 2.8 | 1.2 | 9.2 | 145 | 12.1 | 0.010 | 19 | 16 | 50/100/coil |
| 3x2.5 | 0.8 | 3.4 | 1.2 | 10.4 | 198 | 7.41 | 0.009 | 25 | 22 | 50/100/coil |
| 3x4 | 0.8 | 3.8 | 1.2 | 11.4 | 258 | 4.61 | 0.0077 | 34 | 30 | 50/100/coil |
| 3x6 | 0.8 | 4.3 | 1.4 | 12.8 | 345 | 3.08 | 0.0065 | 44 | 39 | 50/100/coil |
| 3x10 | 1.0 | 5.5 | 1.4 | 15.8 | 545 | 1.83 | 0.0065 | 61 | 53 | 1,000/drum |
| 4x1.5 | 0.7 | 2.8 | 1.2 | 9.9 | 172 | 12.1 | 0.010 | 19 | 16 | 50/100/coil |
| 4x2.5 | 0.8 | 3.4 | 1.2 | 11.3 | 237 | 7.41 | 0.009 | 25 | 22 | 50/100/coil |
| 4x4 | 0.8 | 3.8 | 1.4 | 12.8 | 326 | 4.61 | 0.0077 | 34 | 30 | 50/100/coil |
| 4x6 | 0.8 | 4.3 | 1.4 | 14.4 | 438 | 3.08 | 0.0065 | 44 | 39 | 50/100/coil |
| 4x10 | 1.0 | 5.5 | 1.4 | 17.2 | 667 | 1.83 | 0.0065 | 61 | 53 | 1,000/drum |

*Note: The following is general information, for further information please contact our marketing.*

(Cu/PVC-f)

# NYAF

*Single core flexible copper conductor PVC insulated cable*

Construction Product

*Annealed copper wire (flexible conductor / f)*

*Polyvinyl Chloride (PVC)*

**Reference Standard:**
SNI 04-6629.3-2006

**Rated Voltage:**
300/500 V - 450/750 V

**Insulation Color:**
Black, Blue, Red, Yellow/Green, etc

**Application:**
This type of cable is recommended for the installation of panels that require high flexibility, this type of cable is very suitable for places that have sharp turns. This type of power cord is used in a dry locations and not in humid/wet conditions or directly affected by the weather.

## Dimensional Mechanical and Electrical Data

| Size | Max. diameter of wire | Nominal Insulation Thicness | Diameter cable (Approx.) | Weight of product (Approx) | DC conductor Resistance Max. at 20° C | insulation resistance Min. at 70° C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | In pipe | In Air | |
| $mm^2$ | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 0.5 | 0.2 | 0.6 | 2.1 | 12 | 39.0 | 0.013 | 2.5 | - | 50/100/coil |
| 0.75 | 0.2 | 0.6 | 2.4 | 15 | 26.0 | 0.011 | 7 | 15 | 50/100/coil |
| 1 | 0.2 | 0.6 | 2.5 | 18 | 19.5 | 0.010 | 11 | 19 | 50/100/coil |
| 1.5 | 0.25 | 0.7 | 3.0 | 23 | 13.3 | 0.010 | 15 | 24 | 50/100/coil |
| 2.5 | 0.25 | 0.8 | 3.7 | 35 | 7.98 | 0.009 | 20 | 32 | 50/100/coil |
| 4 | 0.3 | 0.8 | 4.2 | 50 | 4.95 | 0.007 | 25 | 42 | 50/100/coil |
| 6 | 0.3 | 0.8 | 4.5 | 71 | 3.3 | 0.006 | 33 | 54 | 50/100/coil |
| 10 | 0.4 | 0.8 | 5.9 | 116 | 1.91 | 0.0056 | 45 | 73 | 50/100/coil |
| 16 | 0.4 | 1.0 | 7.9 | 178 | 1.21 | 0.0046 | 61 | 98 | 1,000 |
| 25 | 0.4 | 1.2 | 9.9 | 276 | 0.78 | 0.0044 | 83 | 129 | 1,000 |
| 35 | 0.4 | 1.2 | 11.0 | 369 | 0.55 | 0.0038 | 103 | 158 | 1,000 |
| 50 | 0.4 | 1.4 | 13.2 | 526 | 0.39 | 0.0037 | 132 | 198 | 1,000 |
| 70 | 0.5 | 1.4 | 14.6 | 677 | 0.27 | 0.0032 | 165 | 245 | 1,000 |
| 95 | 0.5 | 1.6 | 17.3 | 897 | 0.21 | 0.0032 | 197 | 292 | 1,000 |
| 120 | 0.5 | 1.6 | 19.0 | 1,125 | 0.16 | 0.0029 | 235 | 344 | 1,000 |
| 150 | 0.5 | 1.8 | 20.8 | 1,402 | 0.13 | 0.0029 | - | 391 | 1,000 |
| 185 | 0.5 | 2 | 23.8 | 1,710 | 0.11 | 0.0029 | - | 448 | 1,000 |
| 240 | 0.5 | 2.2 | 26.5 | 2,233 | 0.08 | 0.0028 | - | 525 | 1,000 |

*Note: The following is general information, for further information please contact our marketing.*

(Cu/PVC/PVC-f)

# NYMHY

*Multi Core flexible copper conductor*
*PVC Insulated and PVC Sheathed Cable*

**Reference Standard:**
SNI 04-6629.5-2006

**Rated Voltage:**
300/500 V

**Insulation Color:**
Brown - Blue ( 2 Core)
Brown - Blue - Yellow/Green ( 3 Core)
Brown - Black - Grey - Yellow/Green (4 Core)

**Application:**
This cable is used for installation in the house that is not permanent, because it is flexible and not easily broken. This type of cable is specifically recommended for use as a connector for house hold appliances that are often moved around.

## Dimensional Mechanical and Electrical Data

| Size | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 70°C | Current carrying capacity in air | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | at 30°C | at 40°C | |
| $mm^2$ | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 2x0.75 | 0.6 | 2.4 | 0.8 | 6.4 | 65 | 26.0 | 0.011 | 6 | 5.5 | 50/100/coil |
| 2x1 | 0.6 | 2.5 | 0.8 | 6.6 | 70 | 19.5 | 0.010 | 10 | 9.2 | 50/100/coil |
| 2x1.5 | 0.7 | 3.0 | 0.8 | 7.6 | 96 | 13.3 | 0.010 | 15 | 13.8 | 50/100/coil |
| 2x2.5 | 0.8 | 3.7 | 1.0 | 9.4 | 150 | 7.98 | 0.009 | 20 | 18.4 | 50/100/coil |
| 3x0.75 | 0.6 | 2.4 | 0.8 | 6.8 | 74 | 26.0 | 0.011 | 6 | 5.5 | 50/100/coil |
| 3x1 | 0.6 | 2.5 | 0.8 | 6.9 | 93 | 19.5 | 0.010 | 10 | 9.2 | 50/100/coil |
| 3x1.5 | 0.7 | 3.0 | 0.9 | 8.3 | 121 | 13.3 | 0.010 | 15 | 13.8 | 50/100/coil |
| 3x2.5 | 0.8 | 3.7 | 1.1 | 10.2 | 187 | 7.98 | 0.009 | 20 | 18.4 | 50/100/coil |
| 4x0.75 | 0.6 | 2.4 | 0.8 | 7.4 | 91 | 26.0 | 0.011 | 6 | 5.5 | 50/100/coil |
| 4x1 | 0.6 | 2.5 | 0.9 | 7.8 | 104 | 19.5 | 0.010 | 10 | 9.2 | 50/100/coil |
| 4x1.5 | 0.7 | 3.0 | 1.0 | 9.2 | 151 | 13.3 | 0.010 | 15 | 13.8 | 50/100/coil |
| 4x2.5 | 0.8 | 3.7 | 1.1 | 11.1 | 226 | 7.98 | 0.009 | 20 | 18.4 | 50/100/coil |

*Note: The following is general information, for further information please contact our marketing.*

Construction Product

*Annealed copper wire (flexible conductor / f)*

*Polyvinyl Chloride (PVC)*

*Polyvinyl Chloride (PVC)*

*Polyvinyl Chloride (PVC)*

# (Cu/PVC/PVC-f)
# NYYHY

## *Multi Core flexible copper conductor PVC Insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

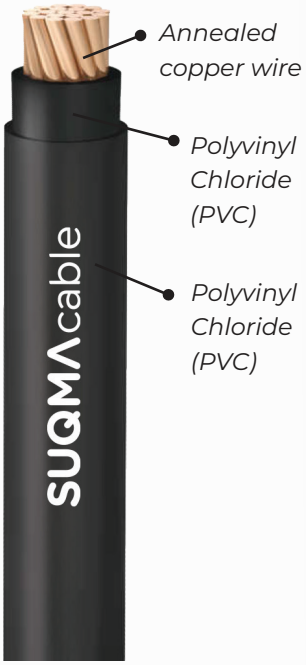
**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Brown - Blue ( 2 Core)
Brown - Blue - Yellow/Green ( 3 Core)
Brown - Black - Grey - Yellow/Green (4 Core)

**Application:**
These cable are suitable for flexible connection and control cable for controlling in tool machineries, production line plant installation, conveyor belt, switchgear and power stations.

### Dimensional Mechanical and Electrical Data

| Size | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | in air | in ground | |
| $mm^2$ | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 2x1.5 | 0.8 | 3.2 | 1.8 | 12 | 217 | 13.3 | 50 | 21 | 27 | 50/100/coil |
| 2x2.5 | 0.8 | 3.7 | 1.8 | 13 | 265 | 7.98 | 50 | 29 | 36 | 50/100/coil |
| 2x4 | 1.0 | 4.6 | 1.8 | 15 | 354 | 4.95 | 50 | 38 | 47 | 50/100/coil |
| 2x6 | 1.0 | 4.9 | 1.8 | 16 | 408 | 3.30 | 50 | 48 | 59 | 50/100/coil |
| 2x10 | 1.0 | 5.9 | 1.8 | 17 | 542 | 1.91 | 50 | 66 | 78 | 50/100/coil |
| 3x1.5 | 0.8 | 3.2 | 1.8 | 13 | 242 | 13.3 | 50 | 18 | 24 | 50/100/coil |
| 3x2.5 | 0.8 | 3.7 | 1.8 | 14 | 299 | 7.98 | 50 | 25 | 32 | 50/100/coil |
| 3x4 | 1.0 | 4.6 | 1.8 | 15.5 | 406 | 4.95 | 50 | 34 | 41 | 50/100/coil |
| 3x6 | 1.0 | 4.9 | 1.8 | 16 | 479 | 3.30 | 50 | 44 | 52 | 50/100/coil |
| 3x10 | 1.0 | 5.9 | 1.8 | 18 | 648 | 1.91 | 50 | 60 | 69 | 50/100/coil |
| 4x1.5 | 0.8 | 3.2 | 1.8 | 13 | 276 | 13.3 | 50 | 18 | 24 | 50/100/coil |
| 4x2.5 | 0.8 | 3.7 | 1.8 | 15 | 346 | 7.98 | 50 | 25 | 32 | 50/100/coil |
| 4x4 | 1.0 | 4.6 | 1.8 | 16.7 | 477 | 4.95 | 50 | 34 | 41 | 50/100/coil |
| 4x6 | 1.0 | 4.9 | 1.8 | 17.4 | 569 | 3.30 | 50 | 44 | 52 | 50/100/coil |
| 4x10 | 1.0 | 5.9 | 1.8 | 20 | 779 | 1.91 | 50 | 60 | 69 | 50/100/coil |




Construction Product

# (Cu/PVC/PVC)
# NYY

## *Copper conductor PVC insulated and PVC Sheathed Power Cable*

**Reference Standard:**

SNI IEC 62502-1 / IEC 62502-1
SPLN D3.010-2: 2014

**Rated Voltage:**

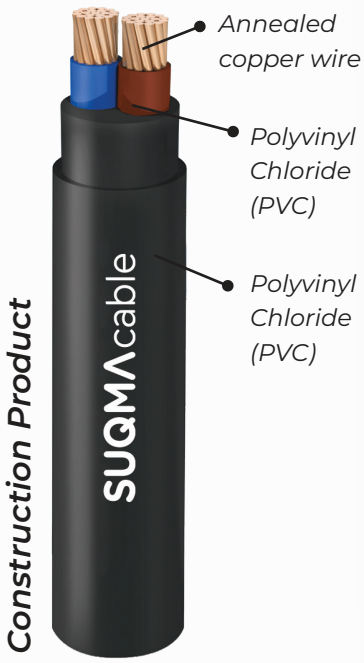
0.6/1(1.2) kV

**Application:**

Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

## Dimensional Mechanical and Electrical Data

| Size | No of wire | Diameter of conductor (Approx) | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in Air | in Ground | |
| $mm^2$ | pcs | mm | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 1x16 | 7 | 5.0 | 1.0 | 7.0 | 1.4 | 9.8 | 236 | 1.15 | 40 | 105 | 129 | 1,000 |
| 1x25 | 7 | 6.3 | 1.2 | 8.7 | 1.4 | 11.5 | 347 | 0.727 | 40 | 140 | 169 | 1,000 |
| 1x35 | 7 | 7.4 | 1.2 | 9.8 | 1.4 | 13 | 448 | 0.524 | 40 | 175 | 210 | 1,000 |
| 1x50 | 19 | 8.7 | 1.4 | 11.5 | 1.4 | 14 | 582 | 0.387 | 30 | 215 | 250 | 1,000 |
| 1x70 | 19 | 10.5 | 1.4 | 13.3 | 1.4 | 16 | 798 | 0.268 | 30 | 270 | 310 | 1,000 |
| 1x95 | 19 | 12.4 | 1.6 | 15.6 | 1.5 | 19 | 1,085 | 0.193 | 30 | 335 | 375 | 1,000 |
| 1x120 | 37 | 13.9 | 1.6 | 17.1 | 1.5 | 20 | 1,326 | 0.153 | 30 | 390 | 425 | 1,000 |
| 1x150 | 37 | 15.5 | 1.8 | 19.1 | 1.6 | 22 | 1,630 | 0.124 | 20 | 445 | 480 | 1,000 |
| 1x185 | 37 | 17.3 | 2 | 21.3 | 1.7 | 25 | 2,023 | 0.0991 | 20 | 510 | 550 | 500 |
| 1x240 | 61 | 19.9 | 2.2 | 24.3 | 1.8 | 28 | 2,630 | 0.0754 | 20 | 620 | 640 | 500 |
| 1x300 | 61 | 22.2 | 2.4 | 27 | 1.9 | 31 | 3,258 | 0.0601 | 20 | 710 | 730 | 500 |




## 2 Cores (Cu/PVC/PVC)

# NYY

*Copper conductor PVC insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

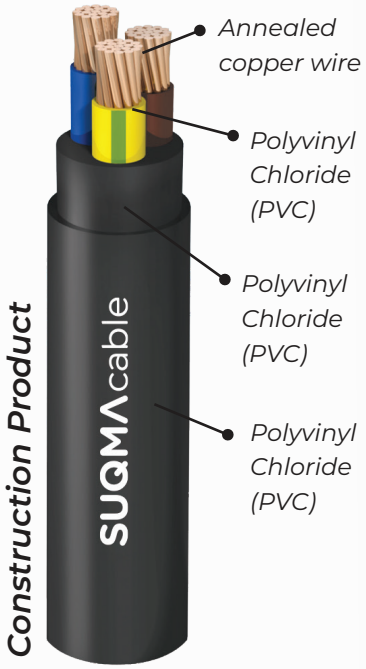
**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Brown - Blue

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 2x1.5 | 1 | re | 0.8 | 3.0 | 1.8 | 11.5 | 205 | 12.1 | 50 | 21 | 27 | 50/100/coil |
| 2x2.5 | 1 | re | 0.8 | 3.4 | 1.8 | 12 | 244 | 7.41 | 50 | 29 | 36 | 50/100/coil |
| 2x4 | 1 | re | 1.0 | 4.2 | 1.8 | 14 | 327 | 4.61 | 50 | 38 | 47 | 50/100/coil |
| 2x6 | 1 | re | 1.0 | 4.7 | 1.8 | 15 | 392 | 3.08 | 50 | 48 | 59 | 50/100/coil |
| 2x10 | 1 | re | 1.0 | 5.5 | 1.8 | 17 | 515 | 1.83 | 50 | 66 | 78 | 50/100/coil |
| 2x16 | 7 | rm | 1.0 | 7.0 | 1.8 | 20 | 753 | 1.15 | 40 | 90 | 102 | 1,000 |
| 2x25 | 7 | rm | 1.2 | 8.7 | 1.8 | 23 | 1,078 | 0.727 | 40 | 120 | 134 | 1,000 |
| 2x35 | 7 | rm | 1.2 | 9.8 | 1.8 | 25 | 1,359 | 0.524 | 40 | 150 | 160 | 1,000 |
| 2x50 | 19 | rm | 1.4 | 11.5 | 1.8 | 29 | 1,756 | 0.387 | 30 | 180 | 187 | 1,000 |




# 3 Cores (Cu/PVC/PVC)

# NYY

## *Copper conductor PVC insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

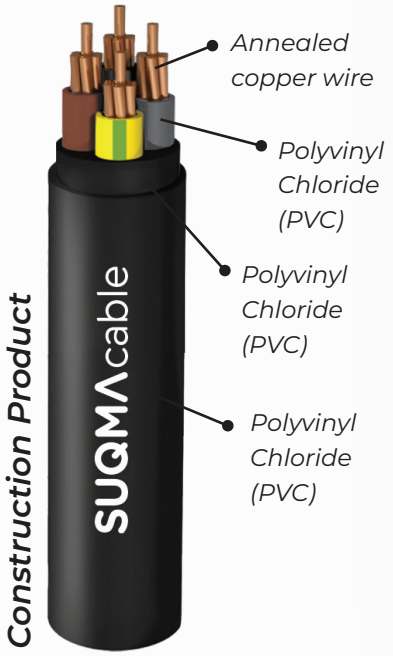
**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Brown - Blue - Yellow/Green

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 3x1.5 | 1 | re | 0.8 | 3.0 | 1.8 | 12 | 229 | 12.1 | 50 | 18 | 24 | 50/100/coil |
| 3x2.5 | 1 | re | 0.8 | 3.4 | 1.8 | 13 | 278 | 7.41 | 50 | 25 | 32 | 50/100/coil |
| 3x4 | 1 | re | 1.0 | 4.2 | 1.8 | 15 | 378 | 4.61 | 50 | 34 | 41 | 50/100/coil |
| 3x6 | 1 | re | 1.0 | 4.7 | 1.8 | 16 | 461 | 3.08 | 50 | 44 | 52 | 50/100/coil |
| 3x10 | 1 | re | 1.0 | 5.5 | 1.8 | 17 | 621 | 1.83 | 50 | 60 | 69 | 50/100/coil |
| 3x16 | 7 | rm | 1.0 | 7.0 | 1.8 | 21 | 921 | 1.15 | 40 | 80 | 89 | 1,000 |
| 3x25 | 7 | rm | 1.2 | 8.7 | 1.8 | 24 | 1,337 | 0.727 | 40 | 105 | 116 | 1,000 |
| 3x35 | 7 | rm | 1.2 | 9.8 | 1.8 | 27 | 1,705 | 0.524 | 40 | 130 | 138 | 1,000 |
| 3x50 | 19 | sm | 1.4 | 9.9 | 1.8 | 27 | 1,843 | 0.387 | 30 | 160 | 165 | 1,000 |
| 3x70 | 19 | sm | 1.4 | 11.3 | 2 | 30 | 2,554 | 0.268 | 30 | 200 | 205 | 1,000 |
| 3x95 | 19 | sm | 1.6 | 13.2 | 2.1 | 35 | 3,438 | 0.193 | 30 | 245 | 245 | 1,000 |
| 3x120 | 37 | sm | 1.6 | 14.4 | 2.2 | 37 | 4,193 | 0.153 | 30 | 285 | 285 | 1,000 |
| 3x150 | 37 | sm | 1.8 | 16.1 | 2.3 | 42 | 5,168 | 0.124 | 20 | 325 | 315 | 500 |
| 3x185 | 37 | sm | 2.0 | 18.0 | 2.5 | 46 | 6,396 | 0.0991 | 20 | 370 | 355 | 500 |
| 3x240 | 37 | sm | 2.2 | 20.4 | 2.7 | 52 | 8,317 | 0.0754 | 20 | 435 | 415 | 500 |
| 3x300 | 37 | sm | 2.4 | 22.7 | 2.9 | 57 | 10,297 | 0.0601 | 20 | 500 | 465 | 300 |




# 4 Cores (Cu/PVC/PVC)

# NYY

## *Copper conductor PVC insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

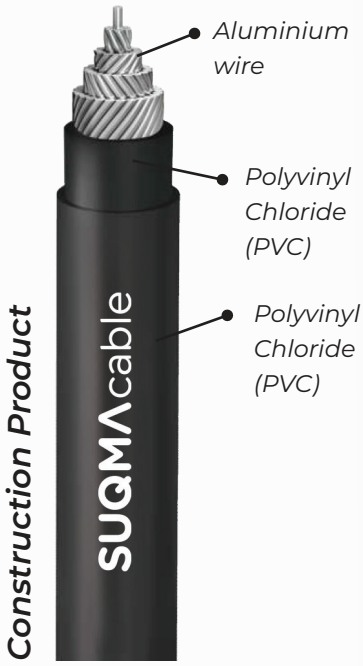
**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Brown - Black - Grey - Yellow/Green

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 4x1.5 | 1 | re | 0.8 | 3.0 | 1.8 | 13 | 263 | 12.1 | 50 | 18 | 24 | 50/100/coil |
| 4x2.5 | 1 | re | 0.8 | 3.4 | 1.8 | 14 | 322 | 7.41 | 50 | 25 | 32 | 50/100/coil |
| 4x4 | 1 | re | 1.0 | 4.2 | 1.8 | 16 | 444 | 4.61 | 50 | 34 | 41 | 50/100/coil |
| 4x6 | 1 | re | 1.0 | 4.7 | 1.8 | 17 | 548 | 3.08 | 50 | 44 | 52 | 50/100/coil |
| 4x10 | 1 | re | 1.0 | 5.5 | 1.8 | 19 | 749 | 1.83 | 50 | 60 | 69 | 50/100/coil |
| 4x16 | 7 | rm | 1.0 | 7.0 | 1.8 | 23 | 1,123 | 1.15 | 40 | 80 | 89 | 1,000 |
| 4x25 | 7 | rm | 1.2 | 8.7 | 1.8 | 27 | 1,645 | 0.727 | 40 | 105 | 116 | 1,000 |
| 4x35 | 7 | rm | 1.2 | 9.8 | 1.8 | 30 | 2,111 | 0.524 | 40 | 130 | 138 | 1,000 |
| 4x50 | 19 | sm | 1.4 | 11.8 | 1.9 | 31 | 2,513 | 0.387 | 30 | 160 | 165 | 1,000 |
| 4x70 | 19 | sm | 1.4 | 13.4 | 2.1 | 35 | 3,418 | 0.268 | 30 | 200 | 205 | 1,000 |
| 4x95 | 19 | sm | 1.6 | 15.3 | 2.2 | 39 | 4,577 | 0.193 | 30 | 245 | 245 | 500 |
| 4x120 | 37 | sm | 1.6 | 15.9 | 2.4 | 43 | 5,673 | 0.153 | 30 | 285 | 285 | 500 |
| 4x150 | 37 | sm | 1.8 | 19.0 | 2.5 | 48 | 6,942 | 0.124 | 20 | 325 | 315 | 500 |
| 4x185 | 37 | sm | 2.0 | 20.8 | 2.7 | 53 | 8,624 | 0.0991 | 20 | 370 | 355 | 500 |
| 4x240 | 37 | sm | 2.2 | 24.1 | 2.9 | 60 | 11,184 | 0.0754 | 20 | 435 | 415 | 300 |
| 4x300 | 37 | sm | 2.4 | 27.8 | 3.1 | 68 | 14,465 | 0.0601 | 20 | 500 | 465 | 300 |




# (Al/PVC/PVC)
# NAYY

## *Aluminium conductor PVC insulated and PVC Sheathed Power Cable*

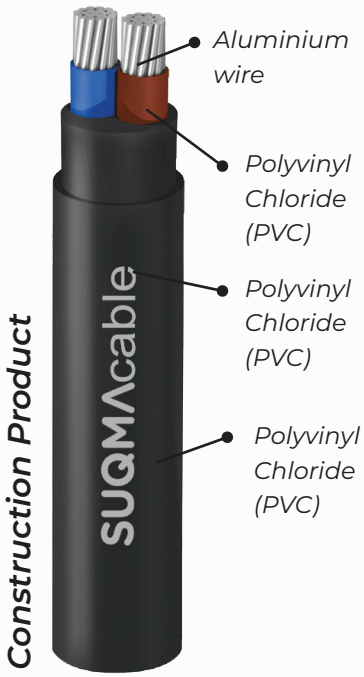
**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

**Rated Voltage:**
0.6/1(1.2) kV

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Diameter of conductor (Approx) | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | In air | In Ground | |
| $mm^2$ | pcs | mm | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 1x16 | 7 | 5.1 | 1.0 | 7.1 | 1.4 | 10 | 143 | 1.91 | 40 | 82 | 102 | 1,000 |
| 1x25 | 7 | 6.4 | 1.2 | 8.8 | 1.4 | 12 | 200 | 1.20 | 40 | 110 | 134 | 1,000 |
| 1x35 | 7 | 7.5 | 1.2 | 9.9 | 1.4 | 13 | 246 | 0.868 | 40 | 135 | 160 | 1,000 |
| 1x50 | 19 | 8.9 | 1.4 | 11.7 | 1.4 | 15 | 309 | 0.641 | 30 | 165 | 191 | 1,000 |
| 1x70 | 19 | 10.7 | 1.4 | 13.5 | 1.4 | 16 | 398 | 0.443 | 30 | 210 | 240 | 1,000 |
| 1x95 | 19 | 12.6 | 1.6 | 15.8 | 1.5 | 19 | 532 | 0.320 | 30 | 260 | 290 | 1,000 |
| 1x120 | 37 | 14.2 | 1.6 | 17.4 | 1.5 | 20 | 626 | 0.253 | 30 | 300 | 335 | 1,000 |
| 1x150 | 37 | 15.8 | 1.8 | 19.4 | 1.6 | 23 | 765 | 0.206 | 20 | 350 | 375 | 1,000 |
| 1x185 | 37 | 17.6 | 2.0 | 21.6 | 1.7 | 25 | 946 | 0.164 | 20 | 400 | 425 | 1,000 |
| 1x240 | 37 | 20.3 | 2.2 | 24.7 | 1.8 | 28 | 1,203 | 0.125 | 20 | 480 | 500 | 1,000 |
| 1x300 | 61 | 22.7 | 2.4 | 27.48 | 1.9 | 31 | 1,480 | 0.100 | 20 | 550 | 570 | 1,000 |




Construction Product

## 2 Cores (Al/PVC/PVC)

# NAYY

*Aluminium conductor PVC insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

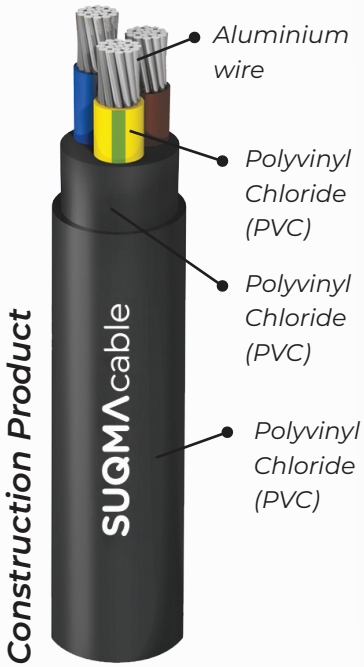
**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Brown - Blue

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 2x10 | 7 | rm | 1 | 6.1 | 1.8 | 18 | 451 | 3.08 | 50 | 53 | 62 | 1,000 |
| 2x16 | 7 | rm | 1 | 7.1 | 1.8 | 20 | 570 | 1.91 | 40 | 72 | 81 | 1,000 |
| 2x25 | 7 | rm | 1.2 | 8.8 | 1.8 | 24 | 790 | 1.20 | 40 | 97 | 107 | 1,000 |
| 2x35 | 7 | rm | 1.2 | 10.0 | 1.8 | 26 | 960 | 0.868 | 40 | 119 | 127 | 1,000 |
| 2x50 | 7 | rm | 1.4 | 11.7 | 1.8 | 29 | 1,221 | 0.641 | 30 | 143 | 149 | 1,000 |




Construction Product

## 3 Cores (Al/PVC/PVC)

# NAYY

*Aluminium conductor PVC insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

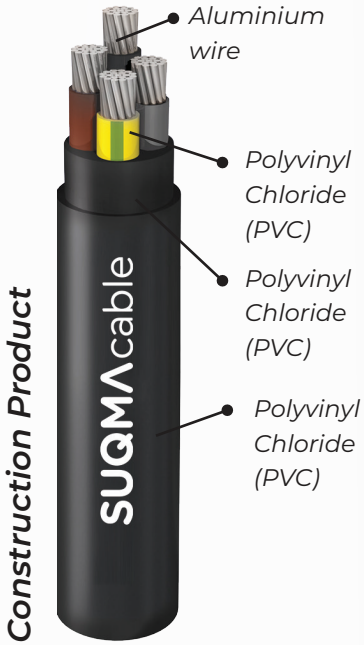
**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Brown - Blue - Yellow/Green

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 3x10 | 7 | rm | 1 | 6.1 | 1.8 | 19 | 505 | 3.08 | 50 | 48 | 55 | 1,000 |
| 3x16 | 7 | rm | 1 | 7.0 | 1.8 | 21 | 643 | 1.91 | 40 | 64 | 71 | 1,000 |
| 3x25 | 7 | rm | 1.2 | 8.8 | 1.8 | 25 | 899 | 1.20 | 40 | 84 | 92 | 1,000 |
| 3x35 | 7 | rm | 1.2 | 10.0 | 1.8 | 27 | 1,099 | 0.868 | 40 | 104 | 110 | 1,000 |
| 3x50 | 19 | sm | 1.4 | 10.0 | 1.8 | 27 | 979 | 0.641 | 30 | 127 | 131 | 1,000 |
| 3x70 | 19 | sm | 1.4 | 11.5 | 2 | 31 | 1,309 | 0.443 | 30 | 159 | 163 | 1,000 |
| 3x95 | 19 | sm | 1.6 | 13.4 | 2.1 | 35 | 1,706 | 0.32 | 30 | 195 | 195 | 1,000 |
| 3x120 | 19 | sm | 1.6 | 14.7 | 2.2 | 38 | 2,023 | 0.253 | 30 | 227 | 227 | 1,000 |
| 3x150 | 37 | sm | 1.8 | 16.1 | 2.3 | 42 | 2,450 | 0.206 | 20 | 259 | 251 | 500 |
| 3x185 | 37 | sm | 2.0 | 18.1 | 2.5 | 46 | 3,009 | 0.164 | 20 | 295 | 283 | 500 |
| 3x240 | 61 | sm | 2.2 | 20.4 | 2.7 | 52 | 3,836 | 0.125 | 20 | 347 | 331 | 500 |
| 3x300 | 61 | sm | 2.4 | 22.6 | 2.9 | 57 | 4,665 | 0.1 | 20 | 399 | 371 | 500 |




## 4 Cores (Al/PVC/PVC)

# NAYY

*Aluminium conductor PVC insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Brown - Black - Grey - Yellow/Green

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 4x10 | 7 | rm | 1 | 6.1 | 1.8 | 21 | 585 | 3.08 | 50 | 48 | 55 | 1,000 |
| 4x16 | 7 | rm | 1 | 7.0 | 1.8 | 23 | 751 | 1.91 | 40 | 64 | 71 | 1,000 |
| 4x25 | 7 | rm | 1.2 | 8.8 | 1.8 | 27 | 1,058 | 1.20 | 40 | 84 | 92 | 1,000 |
| 4x35 | 7 | rm | 1.2 | 10.0 | 1.8 | 30 | 1,299 | 0.868 | 40 | 104 | 110 | 1,000 |
| 4x50 | 19 | sm | 1.4 | 11.6 | 1.9 | 31 | 1,336 | 0.641 | 30 | 127 | 131 | 1,000 |
| 4x70 | 19 | sm | 1.4 | 13.3 | 2.1 | 34 | 1,733 | 0.443 | 30 | 159 | 163 | 1,000 |
| 4x95 | 19 | sm | 1.6 | 15.5 | 2.2 | 40 | 2,270 | 0.32 | 30 | 195 | 195 | 500 |
| 4x120 | 19 | sm | 1.6 | 17.0 | 2.4 | 44 | 2,771 | 0.253 | 30 | 227 | 227 | 500 |
| 4x150 | 37 | sm | 1.8 | 18.6 | 2.5 | 47 | 3,284 | 0.206 | 20 | 259 | 251 | 500 |
| 4x185 | 37 | sm | 2.0 | 20.9 | 2.7 | 53 | 4,107 | 0.164 | 20 | 295 | 283 | 500 |
| 4x240 | 61 | sm | 2.2 | 23.6 | 2.9 | 59 | 5,144 | 0.125 | 20 | 347 | 331 | 500 |
| 4x300 | 61 | sm | 2.4 | 26.2 | 3.1 | 65 | 6,258 | 0.1 | 20 | 399 | 371 | 500 |

Construction Product

# (Cu/XLPE/PVC)
# N2XY

## *Copper conductor XLPE insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

**Rated Voltage:**
0.6/1(1.2) kV

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

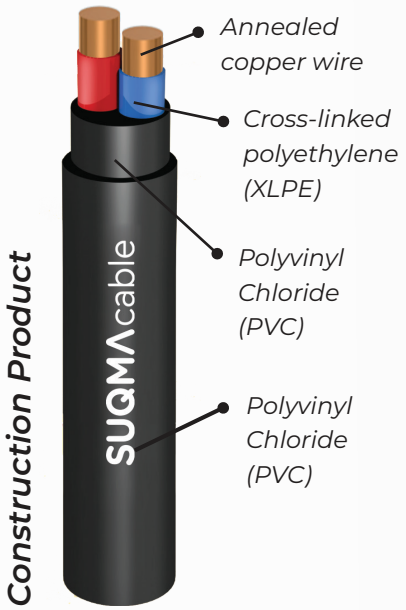
### Dimensional Mechanical and Electrical Data

| Size | No of wire | Diameter of conductor (Approx) | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in Air | in Ground | |
| $mm^2$ | pcs | mm | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 1x16 | 7 | 5.0 | 0.7 | 6.4 | 1.4 | 9.2 | 210 | 1.15 | 400 | 132 | 169 | 1,000 |
| 1x25 | 7 | 6.3 | 0.9 | 8.1 | 1.4 | 10.9 | 312 | 0.727 | 400 | 187 | 220 | 1,000 |
| 1x35 | 7 | 7.4 | 0.9 | 9.2 | 1.4 | 12.0 | 408 | 0.524 | 400 | 217 | 265 | 1,000 |
| 1x50 | 19 | 8.7 | 1.0 | 10.7 | 1.4 | 13.5 | 529 | 0.387 | 300 | 263 | 316 | 1,000 |
| 1x70 | 19 | 10.5 | 1.1 | 12.7 | 1.4 | 15.5 | 740 | 0.268 | 300 | 331 | 385 | 1,000 |
| 1x95 | 19 | 12.4 | 1.1 | 14.6 | 1.5 | 17.6 | 998 | 0.193 | 300 | 408 | 465 | 1,000 |
| 1x120 | 37 | 13.9 | 1.2 | 16.3 | 1.5 | 19.3 | 1,238 | 0.153 | 300 | 474 | 531 | 1,000 |
| 1x150 | 37 | 15.5 | 1.4 | 18.3 | 1.6 | 21.5 | 1,524 | 0.124 | 300 | 550 | 597 | 1,000 |
| 1x185 | 37 | 17.3 | 1.6 | 20.5 | 1.6 | 23.7 | 1,883 | 0.0991 | 300 | 633 | 680 | 500 |
| 1x240 | 61 | 19.9 | 1.7 | 23.3 | 1.7 | 26.7 | 2,452 | 0.0754 | 300 | 750 | 790 | 500 |
| 1x300 | 61 | 22.2 | 1.8 | 25.8 | 1.8 | 29.4 | 3,038 | 0.0601 | 200 | 871 | 901 | 500 |

## 2 Cores (Cu/XLPE/PVC)

# N2XY

*Copper conductor XLPE insulated and PVC Sheathed Power Cable*




**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

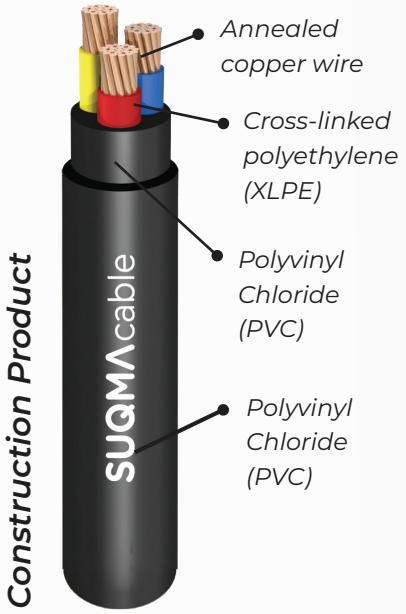
**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Red - Blue

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 2x1.5 | 1 | re | 0.7 | 2.8 | 1.8 | 11.1 | 187 | 12.1 | 1,100 | 27 | 33 | 1,000 |
| 2x2.5 | 1 | re | 0.7 | 3.2 | 1.8 | 11.9 | 224 | 7.41 | 900 | 36 | 44 | 1,000 |
| 2x4 | 1 | re | 0.7 | 3.6 | 1.8 | 12.8 | 274 | 4.61 | 700 | 48 | 58 | 1,000 |
| 2x6 | 1 | re | 0.7 | 4.1 | 1.8 | 13.8 | 335 | 3.08 | 600 | 61 | 72 | 1,000 |
| 2x10 | 1 | re | 0.7 | 4.9 | 1.7 | 15.4 | 452 | 1.83 | 500 | 83 | 97 | 1,000 |
| 2x16 | 7 | rm | 0.7 | 6.4 | 1.8 | 18.4 | 668 | 1.15 | 400 | 113 | 128 | 1,000 |
| 2x25 | 7 | rm | 0.9 | 8.1 | 1.8 | 21.8 | 970 | 0.727 | 400 | 150 | 167 | 1,000 |
| 2x35 | 7 | rm | 0.9 | 9.2 | 1.8 | 24.0 | 1,236 | 0.524 | 400 | 186 | 201 | 1,000 |
| 2x50 | 19 | rm | 1.0 | 10.7 | 1.8 | 27.0 | 1,586 | 0.387 | 400 | 226 | 239 | 1,000 |




## 3 Cores (Cu/XLPE/PVC)

# N2XY

*Copper conductor XLPE insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Red - Yellow - Blue

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 3x1.5 | 1 | re | 0.7 | 2.8 | 1.8 | 11.6 | 207 | 12.1 | 1,100 | 23 | 29 | 1,000 |
| 3x2.5 | 1 | re | 0.7 | 3.2 | 1.8 | 12.4 | 253 | 7.41 | 900 | 32 | 38 | 1,000 |
| 3x4 | 1 | re | 0.7 | 3.6 | 1.8 | 4.6 | 316 | 4.61 | 700 | 41 | 49 | 1,000 |
| 3x6 | 1 | re | 0.7 | 4.1 | 1.8 | 14.4 | 394 | 3.08 | 600 | 52 | 60 | 1,000 |
| 3x10 | 1 | re | 0.7 | 4.9 | 1.8 | 16.1 | 545 | 1.83 | 500 | 71 | 97 | 1,000 |
| 3x16 | 7 | rm | 0.7 | 6.4 | 1.8 | 19.4 | 817 | 1.15 | 400 | 96 | 108 | 1,000 |
| 3x25 | 7 | rm | 0.9 | 8.1 | 1.8 | 23.1 | 1,202 | 0.727 | 400 | 130 | 141 | 1,000 |
| 3x35 | 7 | rm | 0.9 | 9.2 | 1.8 | 25.5 | 1,550 | 0.524 | 400 | 159 | 170 | 1,000 |
| 3x50 | 19 | sm | 1.0 | 9.1 | 1.8 | 24.6 | 1,681 | 0.387 | 400 | 193 | 201 | 1,000 |
| 3x70 | 19 | sm | 1.1 | 10.7 | 1.9 | 28.6 | 2,367 | 0.268 | 300 | 245 | 249 | 1,000 |
| 3x95 | 19 | sm | 1.1 | 12.2 | 2.0 | 31.9 | 3,162 | 0.193 | 300 | 302 | 299 | 1,000 |
| 3x120 | 37 | sm | 1.2 | 13.6 | 2.1 | 35.1 | 3,915 | 0.153 | 300 | 349 | 340 | 500 |
| 3x150 | 37 | sm | 1.4 | 15.2 | 2.3 | 39.4 | 4,856 | 0.124 | 300 | 400 | 381 | 500 |
| 3x185 | 37 | sm | 1.6 | 17.1 | 2.4 | 43.5 | 6,001 | 0.0991 | 300 | 464 | 434 | 500 |
| 3x240 | 37 | sm | 1.7 | 19.3 | 2.6 | 49.0 | 7,806 | 0.0754 | 300 | 552 | 506 | 300 |
| 3x300 | 37 | sm | 1.8 | 21.4 | 2.8 | 53.8 | 9,663 | 0.0601 | 300 | 640 | 585 | 300 |

Construction Product

*Annealed copper wire*

*Cross-linked polyethylene (XLPE)*

*Polyvinyl Chloride (PVC)*

*Polyvinyl Chloride (PVC)*

## 4 Cores (Cu/XLPE/PVC)

# N2XY

*Copper conductor XLPE insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Red - Yellow - Black - Blue

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 4x1.5 | 1 | re | 0.7 | 2.8 | 1.8 | 12.3 | 235 | 12.1 | 1,100 | 23 | 29 | 1,000 |
| 4x2.5 | 1 | re | 0.7 | 3.2 | 1.8 | 13.2 | 291 | 7.41 | 900 | 32 | 38 | 1,000 |
| 4x4 | 1 | re | 0.7 | 3.6 | 1.8 | 14.3 | 370 | 4.61 | 700 | 41 | 49 | 1,000 |
| 4x6 | 1 | re | 0.7 | 4.1 | 1.8 | 15.5 | 467 | 3.08 | 600 | 52 | 60 | 1,000 |
| 4x10 | 1 | re | 0.7 | 4.9 | 1.8 | 17.4 | 657 | 1.83 | 500 | 71 | 97 | 1,000 |
| 4x16 | 7 | rm | 0.7 | 6.4 | 1.8 | 18.4 | 668 | 1.15 | 400 | 96 | 108 | 1,000 |
| 4x25 | 7 | rm | 0.9 | 8.1 | 1.8 | 25.2 | 1,475 | 0.727 | 400 | 130 | 141 | 1,000 |
| 4x35 | 7 | rm | 0.9 | 9.2 | 1.8 | 27.8 | 1,918 | 0.524 | 400 | 159 | 170 | 1,000 |
| 4x50 | 19 | sm | 1.0 | 10.8 | 1.9 | 28.5 | 2,229 | 0.387 | 400 | 193 | 201 | 1,000 |
| 4x70 | 19 | sm | 1.1 | 12.7 | 2.0 | 33.0 | 3,137 | 0.268 | 300 | 245 | 249 | 1,000 |
| 4x95 | 19 | sm | 1.1 | 14.1 | 2.1 | 36.1 | 4,173 | 0.193 | 300 | 302 | 299 | 500 |
| 4x120 | 37 | sm | 1.2 | 15.9 | 2.3 | 40.8 | 5,255 | 0.153 | 300 | 349 | 340 | 500 |
| 4x150 | 37 | sm | 1.4 | 18.0 | 2.4 | 45.4 | 6,439 | 0.124 | 300 | 400 | 381 | 500 |
| 4x185 | 37 | sm | 1.6 | 19.9 | 2.6 | 49.7 | 7,970 | 0.0991 | 300 | 464 | 434 | 500 |
| 4x240 | 37 | sm | 1.7 | 22.9 | 2.8 | 56.9 | 10,402 | 0.0754 | 300 | 552 | 506 | 300 |
| 4x300 | 37 | sm | 1.8 | 26.4 | 3.0 | 64.5 | 12,969 | 0.0601 | 300 | 640 | 585 | 300 |

Construction Product

(Al/XLPE/PVC)

# NA2XY

*Aluminium conductor XLPE insulated and PVC Sheathed Power Cable*

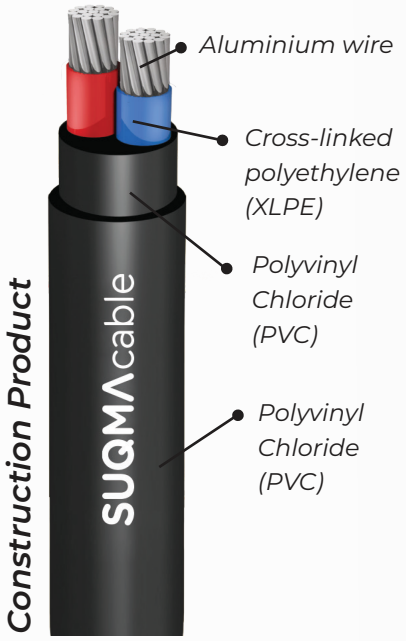
**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

**Rated Voltage:**
0.6/1(1.2) kV

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

## Dimensional Mechanical and Electrical Data

| Size | No of wire | Diameter of conductor (Approx) | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | In air | In Ground | |
| $mm^2$ | pcs | mm | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 1x16 | 7 | 5.1 | 0.7 | 6.5 | 1.4 | 9 | 117 | 1.91 | 400 | 102 | 131 | 1,000 |
| 1x25 | 7 | 6.4 | 0.9 | 8.22 | 1.4 | 11 | 164 | 1.20 | 400 | 137 | 170 | 1,000 |
| 1x35 | 7 | 7.5 | 0.9 | 9.4 | 1.4 | 12 | 204 | 0.868 | 400 | 168 | 205 | 1,000 |
| 1x50 | 19 | 8.9 | 1 | 10.9 | 1.4 | 14 | 255 | 0.641 | 300 | 204 | 242 | 1,000 |
| 1x70 | 19 | 10.7 | 1.1 | 12.9 | 1.4 | 16 | 339 | 0.443 | 300 | 257 | 301 | 1,000 |
| 1x95 | 19 | 12.6 | 1.1 | 14.8 | 1.5 | 18 | 444 | 0.320 | 300 | 316 | 360 | 1,000 |
| 1x120 | 37 | 14.2 | 1.2 | 16.6 | 1.5 | 20 | 537 | 0.253 | 300 | 368 | 421 | 1,000 |
| 1x150 | 37 | 15.8 | 1.4 | 18.6 | 1.6 | 22 | 657 | 0.206 | 300 | 421 | 463 | 1,000 |
| 1x185 | 37 | 17.6 | 1.6 | 20.8 | 1.6 | 24 | 803 | 0.164 | 300 | 488 | 525 | 1,000 |
| 1x240 | 37 | 20.3 | 1.7 | 23.7 | 1.7 | 27 | 1,022 | 0.125 | 300 | 583 | 615 | 1,000 |
| 1x300 | 61 | 22.7 | 1.8 | 26.28 | 1.8 | 29.88 | 1,255 | 0.100 | 200 | 675 | 700 | 1,000 |




## 2 Cores (Al/XLPE/PVC)

# NA2XY

*Aluminium conductor XLPE insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

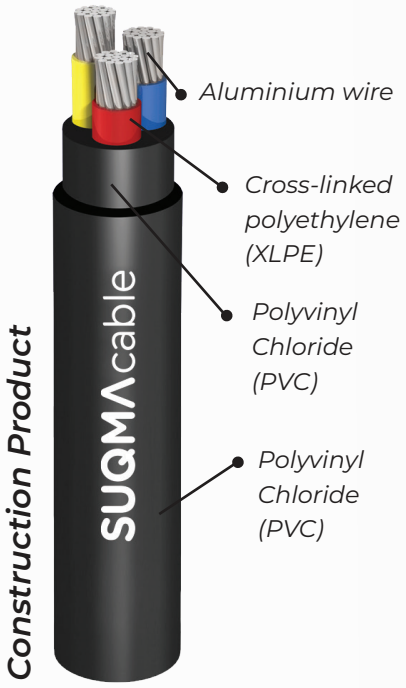
**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Red - Blue

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 2x10 | 7 | rm | 0.7 | 5.5 | 1.8 | 16.5 | 378 | 3.08 | 500 | 61 | 72 | 1,000 |
| 2x16 | 7 | rm | 0.7 | 6.5 | 1.8 | 18.6 | 485 | 1.91 | 400 | 88 | 99 | 1,000 |
| 2x25 | 7 | rm | 0.9 | 8.2 | 1.8 | 22.0 | 680 | 1.20 | 400 | 119 | 130 | 1,000 |
| 2x35 | 7 | rm | 0.9 | 9.4 | 1.8 | 24.3 | 835 | 0.868 | 400 | 145 | 157 | 1,000 |
| 2x50 | 19 | rm | 1.0 | 10.9 | 1.8 | 27.4 | 1,048 | 0.641 | 400 | 175 | 185 | 1,000 |




## 3 Cores (Al/XLPE/PVC)

# NA2XY

*Aluminium conductor XLPE insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

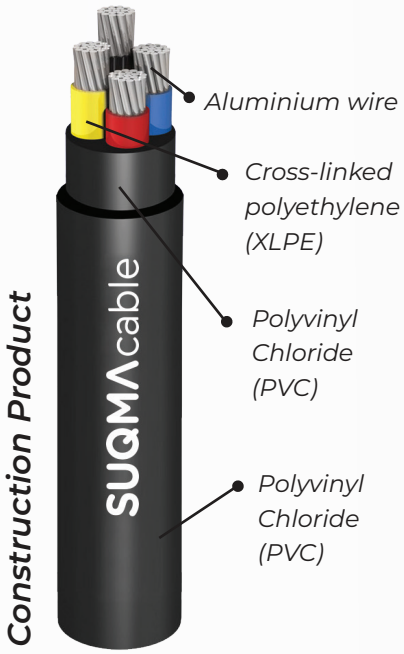
**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Red - Yellow - Blue

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 3x10 | 7 | rm | 0.7 | 5.5 | 1.8 | 17.3 | 415 | 3.08 | 500 | 52 | 60 | 1,000 |
| 3x16 | 7 | rm | 0.7 | 6.5 | 1.8 | 19.6 | 539 | 1.91 | 400 | 75 | 84 | 1,000 |
| 3x25 | 7 | rm | 0.9 | 8.2 | 1.8 | 23.3 | 761 | 1.20 | 400 | 100 | 110 | 1,000 |
| 3x35 | 7 | rm | 0.9 | 9.4 | 1.8 | 25.8 | 941 | 0.868 | 400 | 123 | 132 | 1,000 |
| 3x50 | 19 | sm | 1.0 | 9.1 | 1.8 | 24.8 | 814 | 0.641 | 400 | 149 | 156 | 1,000 |
| 3x70 | 19 | sm | 1.1 | 10.8 | 1.9 | 28.9 | 1,119 | 0.443 | 300 | 189 | 193 | 1,000 |
| 3x95 | 19 | sm | 1.1 | 12.3 | 2.0 | 32.3 | 1,425 | 0.320 | 300 | 233 | 232 | 1,000 |
| 3x120 | 19 | sm | 1.2 | 13.8 | 2.1 | 35.6 | 1,735 | 0.253 | 300 | 271 | 268 | 1,000 |
| 3x150 | 37 | sm | 1.4 | 15.2 | 2.3 | 39.4 | 2,138 | 0.206 | 300 | 310 | 296 | 1,000 |
| 3x185 | 37 | sm | 1.6 | 17.2 | 2.4 | 43.7 | 2,612 | 0.164 | 300 | 559 | 336 | 1,000 |
| 3x240 | 61 | sm | 1.7 | 19.3 | 2.6 | 48.9 | 3,330 | 0.125 | 300 | 429 | 429 | 1,000 |
| 3x300 | 61 | sm | 1.8 | 21.4 | 2.8 | 53.6 | 4,039 | 0.100 | 300 | 496 | 447 | 500 |




## 4 Cores (Al/XLPE/PVC)

# NA2XY

*Aluminium conductor XLPE insulated and PVC Sheathed Power Cable*

**Reference Standard:**
SNI IEC 62502-1 / IEC 62502-1

**Rated Voltage:**
0.6/1(1.2) kV

**Insulation Color:**
Red - Yellow - Black - Blue

**Application:**
Power cable : Indoors, cable trunking, outdoors and burried in the ground, for power stations, industry and switchgear as well as for urban supply networks, if mechanical damage is unlikely

### Dimensional Mechanical and Electrical Data

| Size | No of wire | Shape Cond. | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Nominal Thicness outer sheath | Diameter cable (Approx.) | Weight of product (Approx) | Max. DC conductor resistance at 20°C | Min. insulation resistance at 20°C | Current carrying capacity At 30°C | | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | in air | in ground | |
| $mm^2$ | pcs | - | mm | mm | mm | mm | kg/km | Ω/km | MΩ.km | A | A | m |
| 4x10 | 7 | rm | 0.7 | 5.5 | 1.8 | 18.8 | 476 | 3.08 | 500 | 52 | 60 | 1,000 |
| 4x16 | 7 | rm | 0.7 | 6.5 | 1.8 | 21.3 | 623 | 1.91 | 400 | 75 | 84 | 1,000 |
| 4x25 | 7 | rm | 0.9 | 8.2 | 1.8 | 25.4 | 886 | 1.20 | 400 | 100 | 110 | 1,000 |
| 4x35 | 7 | rm | 0.9 | 9.4 | 1.8 | 28.2 | 1,103 | 0.868 | 400 | 123 | 132 | 1,000 |
| 4x50 | 19 | sm | 1.0 | 10.6 | 1.9 | 28.1 | 1,058 | 0.641 | 400 | 149 | 156 | 1,000 |
| 4x70 | 19 | sm | 1.1 | 12.5 | 2.0 | 32.7 | 1,455 | 0.443 | 300 | 189 | 193 | 1,000 |
| 4x95 | 19 | sm | 1.1 | 14.3 | 2.1 | 36.6 | 1,860 | 0.320 | 300 | 233 | 232 | 1,000 |
| 4x120 | 19 | sm | 1.2 | 16.0 | 2.3 | 41.0 | 2,341 | 0.253 | 300 | 271 | 268 | 1,000 |
| 4x150 | 37 | sm | 1.4 | 17.7 | 2.4 | 44.7 | 2,791 | 0.206 | 300 | 310 | 296 | 1,000 |
| 4x185 | 37 | sm | 1.6 | 20.0 | 2.6 | 49.9 | 3,450 | 0.164 | 300 | 559 | 336 | 1,000 |
| 4x240 | 61 | sm | 1.7 | 22.4 | 2.8 | 55.8 | 4,390 | 0.125 | 300 | 429 | 429 | 500 |
| 4x300 | 61 | sm | 1.8 | 24.7 | 3.0 | 61.1 | 5,324 | 0.100 | 300 | 496 | 447 | 500 |

Construction Product

# U-ES

## 1x2x0.6 mm²

*Copper conductor, Polyethylene insulated with messenger Telecomunication Cable*

**Reference Standard:**
STEL-K-004

**Application:**
Local Network interconection & distribution / Subscriber

### Dimensional Mechanical and Electrical Data

| Cable Size | Nominal Conductor diameter | Nominal Thickness Insulation | Approximately | | Resistance at 20°c | | Spark AC Voltage Test | Standard delivery length |
|---|---|---|---|---|---|---|---|---|
| | | | Overal diameter | Weight | Max. conductor | Min. insulation | | |
| pair | mm | mm | mm | mm | ohm/km | MΩ.km | V/1min | m |
| 1 | 0.6 | 0.75 | 5.0 | 26 | 65 | 10,000 | 10,000 | 500 / coil |

# T - E

## 1x2x0.6 mm²

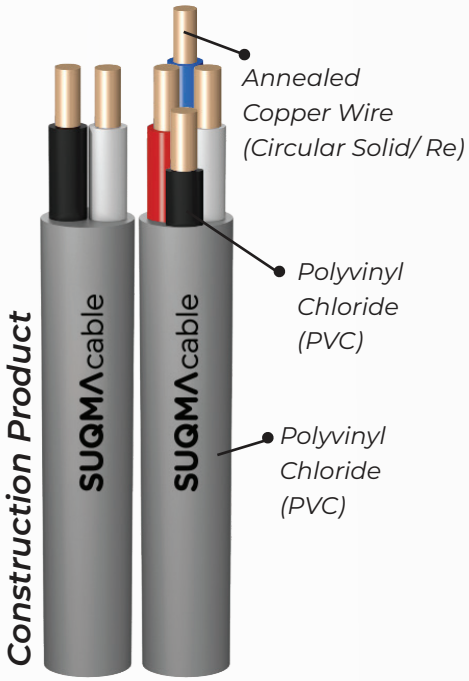
*Copper conductor, Polyethylene insulated Telecomunication Cable*

**Reference Standard:**
STEL-K-003

**Application:**
Local Network interconection & distribution / Subscriber

### Dimensional Mechanical and Electrical Data

| Cable Size | Nominal Conductor diameter | Nominal Thickness Insulation | Approximately | | Resistance at 20°c | | Spark AC Voltage Test | Standard delivery length |
|---|---|---|---|---|---|---|---|---|
| | | | Overal diameter | Weight | Max. conductor | Min. insulation | | |
| pair | mm | mm | mm | mm | ohm/km | MΩ.km | V/1min | m |
| 1 | 0.6 | 0.7 | 2.1x5.0 | 12 | 65 | 10,000 | 10,000 | 500 / coil |




## (Indoor Cable)

# R-VV

## 1x2x0.6 mm² & 2x2x0.6 mm²

*Copper conductor, PVC insulated, PVC sheathed Telecomunication Cable*

**Reference Standard:**
STEL-K-002 / STEL-K-011

**Application:**
Terminal to telephone set

### Dimensional Mechanical and Electrical Data

| Cable Size | Nominal Conductor diameter | Nominal Thickness | | Approximately | | Resistance at 20°C | | Max. mutual capacitance at 800 Hz | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|
| | | Insulation | Sheath | Overal diameter | Weight | Max. conductor | Min. insulation | | |
| pair | mm | mm | mm | mm | mm | ohm/km | MΩ.km | nF/km | m |
| 1 | 0.6 | 0.2 | 0.7 | 3.5 | 19 | 65 | 100 | 120 | 100 / coil |
| 2 | 0.6 | 0.2 | 1.0 | 5.9 | 33 | 65 | 100 | 120 | 100 / coil |

Construction Product

(Al/XLPE)

# NFA2X

*Aluminium conductor with XLPE Insulated (Twisted Cable)*

**Reference Standard:**
SPLN D3.010-1: 2014
Adendum SPLN D3.010-1:2015

**Rated Voltage:**
0.6/1(1.2) kV

**Application:**
Twisted cable for overhead low voltage distribution and service drop

## Dimensional Mechanical and Electrical Data

| Size | No of wire | Diameter of conductor (Approx) | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Diameter of Bundle cable (Approx.) | Weight of product (Approx) | Breaking load min. | Max.DC conductor resistance at 20°C | Current carrying capacity in air At 35°C | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|
| $mm^2$ | pcs | mm | mm | mm | mm | kg/km | kN | Ω/km | A | m |
| 2x10 | 7 | 4.05 | 1.2 | 6.45 | 12.9 | 100 | 3.22 | 3.08 | 54 | 3,000 |
| 2x16 | 7 | 5.13 | 1.2 | 7.53 | 15.06 | 144 | 5.15 | 1.91 | 72 | 2,000 |
| 2x25 | 7 | 6.39 | 1.4 | 9.19 | 18.38 | 219 | 8.05 | 1.2 | 102 | 1,000 |
| 2x35 | 7 | 7.56 | 1.6 | 10.76 | 21.52 | 302 | 11.25 | 0.868 | 125 | 1,000 |
| 4x10 | 7 | 4.05 | 1.2 | 6.45 | 15.57 | 201 | 6.44 | 3.08 | 54 | 1,000 |
| 4x16 | 7 | 5.13 | 1.2 | 7.53 | 18.18 | 288 | 10.30 | 1.91 | 72 | 1,000 |
| 4x25 | 7 | 6.39 | 1.4 | 9.19 | 22.18 | 438 | 16.10 | 1.20 | 102 | 1,000 |
| 4x35 | 7 | 7.56 | 1.6 | 10.76 | 25.97 | 604 | 22.50 | 0.868 | 125 | 1,000 |

Construction Product

***NEUTRAL CONDUCTOR***
*Aluminium wire and Galvanized Round Steel wire support messenger*

***PHASA CONDUCTOR***
*Aluminium wire*

*Cross Linked Polyethelene (XLPE)*

(Al/XLPE)

# NFA2X-T

*Aluminium conductor with XLPE insulated and neutral messenger (Twisted Cable)*

**Reference Standard:**
SPLN D3.010-1: 2014
Adendum SPLN D3.010-1:2015

**Rated Voltage:**
0.6/1(1.2) kV

**Application:**
Twisted cable for overhead low voltage distribution and service drop

## Dimensional Mechanical and Electrical Data

| Size | Cond. | No of wire | Diameter of conductor (Approx) | Nominal Insulation Thicness | Diameter of insulation (Approx.) | Diameter of Bundle cable (Approx.) | Weight of product (Approx) | Breaking load min. | Max.DC conductor resistance at 20°C | Current carrying capacity in air At 35°C | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|---|
| $mm^2$ | - | pcs | mm | mm | mm | mm | kg/km | kN | Ω/km | A | m |
| 2x35+35 | Phasa | 7 | 7.6 | 1.6 | 10.8 | 23 | 479 | 12.60 | 0.868 | 125 | 1,000 |
| | Neutral | 1+7 | 8.2 | 1.5 | 11.2 | | | | 0.836 | | |
| 2x50+50 | Phasa | 7 | 9.1 | 1.6 | 12.3 | 26 | 643 | 17.42 | 0.641 | 154 | 1,000 |
| | Neutral | 1+7 | 9.8 | 1.6 | 13.0 | | | | 0.585 | | |
| 2x70+70 | Phasa | 19 | 10.9 | 1.8 | 14.5 | 31 | 898 | 24.03 | 0.443 | 196 | 1,000 |
| | Neutral | 1+7 | 11.6 | 1.6 | 14.8 | | | | 0.418 | | |
| 3x35+35 | Phasa | 7 | 7.6 | 1.6 | 10.8 | 26 | 622 | 12.60 | 0.868 | 125 | 1,000 |
| | Neutral | 1+7 | 8.2 | 1.5 | 11.2 | | | | 0.836 | | |
| 3x50+50 | Phasa | 7 | 9.1 | 1.6 | 12.3 | 30 | 1,018 | 17.42 | 0.641 | 154 | 1,000 |
| | Neutral | 1+7 | 9.8 | 1.6 | 13.0 | | | | 0.585 | | |
| 3x70+70 | Phasa | 19 | 10.9 | 1.8 | 14.5 | 35 | 1,165 | 24.03 | 0.443 | 196 | 1,000 |
| | Neutral | 1+7 | 11.6 | 1.6 | 14.8 | | | | 0.418 | | |
| 3x95+95 | Phasa | 19 | 12.6 | 1.8 | 16.2 | 39 | 1,497 | 35.20 | 0.320 | 242 | 1,000 |
| | Neutral | 7+26 | 13.7 | 1.6 | 17.2 | | | | 0.308 | | |
| 3x120+95 | Phasa | 19 | 14.2 | 1.8 | 17.8 | 43 | 1,845 | 35.20 | 0.253 | 296 | 1,000 |
| | Neutral | 7+26 | 13.7 | 1.6 | 17.2 | | | | 0.308 | | |

Construction Product

# AAAC-S

## *All Aluminium Alloy Conductor with XLPE Covered*

**Reference Standard:**
SPLN 41-10: 1991

**Application:**
Used for overhead transmission and distribution

### Dimensional Mechanical and Electrical Data

| Nominal cross sectional area | Aluminium Conductor | | Nominal thickness of XLPE covered | Overall diameter (approx) | Weight of product (approx) | Max.DC conductor resistance at 20°C | Max. Current carrying capacity in air | | Calculated breaking load min. | Standard delivery length |
|---|---|---|---|---|---|---|---|---|---|---|
| | No/diameter of wire | Conductor diameter (approx) | | | | | At 30°C | At 40°C | | |
| $mm^2$ | pcs/mm | mm | mm | mm | kg/km | Ω/km | A | | kg | m |
| 35 | 7/2.5 | 7.5 | 3.0 | 13.5 | 195 | 0.958 | 167 | 150 | 980 | 3,000 |
| 50 | 19/1.75 | 8.8 | 3.0 | 14.8 | 236 | 0.724 | 200 | 180 | 1,300 | 3,000 |
| 70 | 19/2.25 | 11.3 | 3.0 | 17.3 | 344 | 0.438 | 275 | 246 | 2,150 | 2,000 |
| 95 | 19/2.5 | 12.5 | 3.0 | 18.5 | 406 | 0.355 | 315 | 282 | 2,660 | 2,000 |
| 120 | 19/2.75 | 13.8 | 3.0 | 19.8 | 474 | 0.293 | 356 | 319 | 3,220 | 1,000 |
| 150 | 19/3.25 | 16.3 | 3.0 | 22.3 | 624 | 0.210 | 423 | 378 | 4,490 | 1,000 |
| 150 | 37/2.25 | 15.8 | 3.0 | 21.8 | 588 | 0.225 | 423 | 378 | 4,190 | 1,000 |
| 185 | 37/2.5 | 17.5 | 3.0 | 23.5 | 702 | 0.183 | 484 | 423 | 5,175 | 1,000 |
| 240 | 61/2.25 | 20.3 | 3.0 | 26.3 | 899 | 0.139 | 586 | 523 | 6,910 | 1,000 |