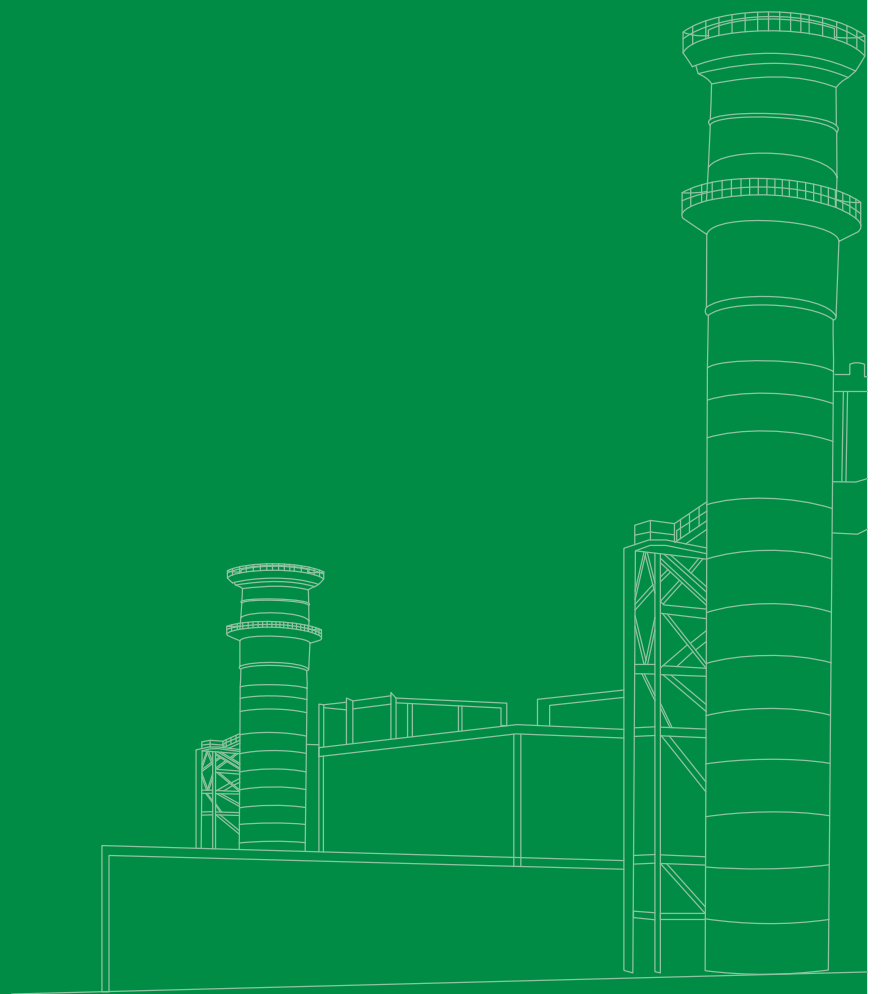
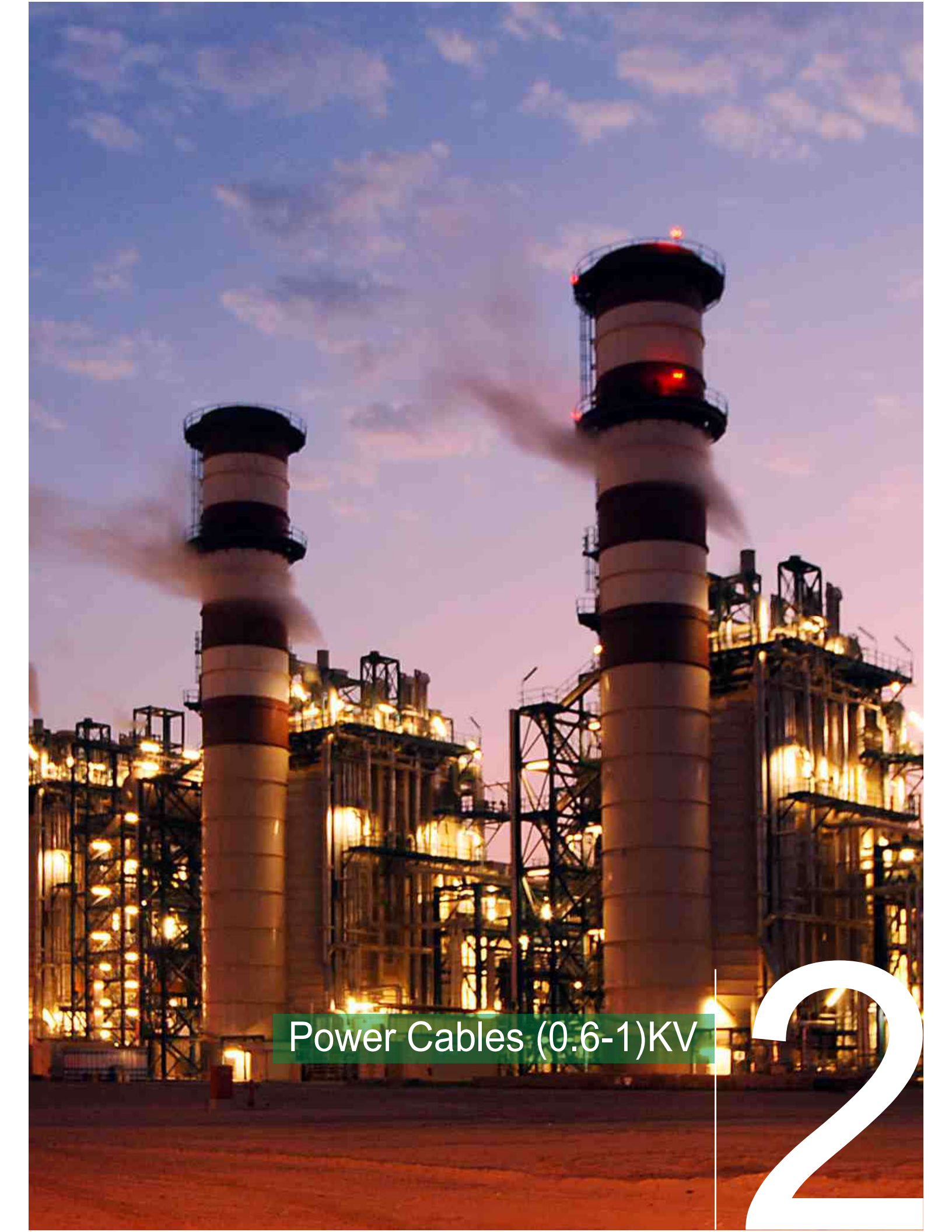


کابل‌های قدرت (۱-۶/۰) کیلوولت



A photograph of a large industrial power plant at night. Two prominent smokestacks with alternating white and dark horizontal bands are visible, each emitting a plume of white steam. The plant's complex structure of pipes, scaffolding, and various vessels is illuminated by numerous warm yellow lights. The sky above is a deep blue with some light clouds. In the foreground, there is a flat, dark ground.

Power Cables (0.6-1)KV

2

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Power Cables (0.6-1)KV

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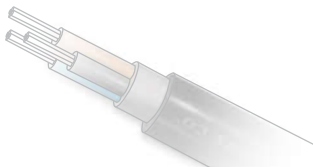
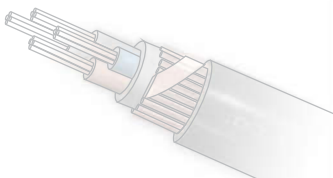
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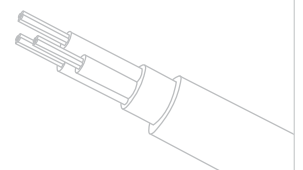
## Power Cable NYY

- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:** IEC 60502-1, IEC 60228, ISIRI 3569-1
- **Construction :**  
CU/PVC/PVC  
Conductor: Plain Annealed copper wire (class 1,2,5)  
Insulation Type: P.V.C / A  
Filling Material: P.V.C  
Sheath Material: P.V.C - ST1
- **Maximum Conductor Temperature:** 70°C
- **Application:**  
Low Voltage Power Cable For Indoor and Outdoor and Under Ground As Well As In Cable Duct.



| No. of Cores & Cross Section | Nominal Insulation Thickness | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx.) |
|------------------------------|------------------------------|--------------------------|---------------------------|------------------------|
| mm <sup>2</sup>              | mm                           | mm                       | mm                        | kg/km                  |
| 1x1.5 RE                     | 0.8                          | 1.4                      | 5.8                       | 49                     |
| 1x2.5 RE                     | 0.8                          | 1.4                      | 6.2                       | 61                     |
| 1x4 RE                       | 1                            | 1.4                      | 7.1                       | 85                     |
| 1x6 RE                       | 1                            | 1.4                      | 7.6                       | 108                    |
| 1x10 RE                      | 1                            | 1.4                      | 8.4                       | 151                    |
| 1x16 RM                      | 1                            | 1.4                      | 9.8                       | 217                    |
| 1x25 RM                      | 1.2                          | 1.4                      | 11.1                      | 316                    |
| 1x35 RM                      | 1.2                          | 1.4                      | 12.2                      | 413                    |
| 1x50 RM                      | 1.4                          | 1.4                      | 13.7                      | 545                    |
| 1x70 RM                      | 1.4                          | 1.4                      | 15.5                      | 748                    |
| 1x95 RM                      | 1.6                          | 1.5                      | 17.6                      | 1019                   |
| 1x120 RM                     | 1.6                          | 1.6                      | 19.4                      | 1264                   |
| 1x150 RM                     | 1.8                          | 1.6                      | 21.0                      | 1541                   |
| 1x185 RM                     | 2                            | 1.7                      | 23.4                      | 1919                   |
| 1x240 RM                     | 2.2                          | 1.8                      | 26.1                      | 2489                   |
| 1x300 RM                     | 2.4                          | 1.9                      | 28.9                      | 3100                   |
| 1x400 RM                     | 2.6                          | 2                        | 32.8                      | 3939                   |
| 2x1.5 RE                     | 0.8                          | 1.8                      | 11.6                      | 184                    |
| 2x2.5 RE                     | 0.8                          | 1.8                      | 12.4                      | 222                    |
| 2x4 RE                       | 1                            | 1.8                      | 14.1                      | 299                    |
| 2x6 RE                       | 1                            | 1.8                      | 15.1                      | 363                    |
| 2x10 RE                      | 1                            | 1.8                      | 16.7                      | 485                    |
| 2x16 RM                      | 1                            | 1.8                      | 19.6                      | 691                    |
| 2x25 RM                      | 1.2                          | 1.8                      | 22.2                      | 964                    |
| 2x35 RM                      | 1.2                          | 1.8                      | 24.4                      | 1230                   |
| 2x50 RM                      | 1.4                          | 1.8                      | 27.4                      | 1600                   |
| 2x70 RM                      | 1.4                          | 2                        | 31.8                      | 2216                   |
| 2x95 RM                      | 1.6                          | 2.1                      | 35.8                      | 2941                   |
| 2x120 RM                     | 1.6                          | 2.2                      | 39.2                      | 3601                   |
| 2x150 RM                     | 1.8                          | 2.3                      | 43.0                      | 4404                   |
| 2x185 RM                     | 2                            | 2.5                      | 47.8                      | 5465                   |
| 2x240 RM                     | 2.2                          | 2.7                      | 53.2                      | 6991                   |
| 2x300 RM                     | 2.4                          | 2.9                      | 59.2                      | 8715                   |

On request, Aluminium Conductor is also available







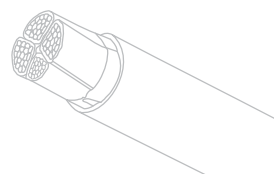
## Power Cable NYY

| Nominal Insulation<br>Cross Section | No. of Cores &<br>Thickness | Nominal Sheath<br>Thickness | Overall Diameter<br>(Approx) | Total Weight<br>(Approx.) |
|-------------------------------------|-----------------------------|-----------------------------|------------------------------|---------------------------|
| mm <sup>2</sup>                     | mm                          | mm                          | mm                           | kg/km                     |
| 3x1.5 RE                            | 0.8                         | 1.8                         | 12.0                         | 206                       |
| 3x2.5 RE                            | 0.8                         | 1.8                         | 12.9                         | 254                       |
| 3x4 RE                              | 1                           | 1.8                         | 14.8                         | 350                       |
| 3x6 RE                              | 1                           | 1.8                         | 15.9                         | 434                       |
| 3x10 RE                             | 1                           | 1.8                         | 17.6                         | 592                       |
| 3x16 RM                             | 1                           | 1.8                         | 20.7                         | 850                       |
| 3x25 RM                             | 1.2                         | 1.8                         | 23.5                         | 1210                      |
| 3x35 RM                             | 1.2                         | 1.8                         | 25.9                         | 1562                      |
| 3x50 SM                             | 1.4                         | 1.8                         | 25.9                         | 1815                      |
| 3x70 SM                             | 1.4                         | 2                           | 29.2                         | 2436                      |
| 3x95 SM                             | 1.6                         | 2.1                         | 33.3                         | 3242                      |
| 3x120SM                             | 1.6                         | 2.2                         | 36.1                         | 3990                      |
| 3x150SM                             | 1.8                         | 2.3                         | 40.1                         | 4948                      |
| 3x185SM                             | 2                           | 2.5                         | 44.4                         | 6080                      |
| 3x240SM                             | 2.2                         | 2.7                         | 49.8                         | 7802                      |
| 3x300SM                             | 2.4                         | 2.9                         | 52.4                         | 9639                      |
| 4x1.5 RE                            | 0.8                         | 1.8                         | 12.8                         | 240                       |
| 4x2.5 RE                            | 0.8                         | 1.8                         | 13.8                         | 300                       |
| 4x4 RE                              | 1                           | 1.8                         | 15.9                         | 419                       |
| 4x6 RE                              | 1                           | 1.8                         | 17.1                         | 524                       |
| 4x10 RE                             | 1                           | 1.8                         | 19.1                         | 730                       |
| 4x16 RM                             | 1                           | 1.8                         | 22.5                         | 1053                      |
| 4x25 RM                             | 1.2                         | 1.8                         | 25.7                         | 1519                      |
| 4x35 RM                             | 1.2                         | 1.9                         | 28.5                         | 1979                      |
| 4x50 SM                             | 1.4                         | 1.8                         | 27.1                         | 2144                      |
| 4x70 SM                             | 1.4                         | 1.9                         | 30.7                         | 2967                      |
| 4x95 SM                             | 1.6                         | 2.1                         | 35.4                         | 4074                      |
| 4x120SM                             | 1.6                         | 2.2                         | 38.6                         | 5038                      |
| 4x150SM                             | 1.8                         | 2.3                         | 42.6                         | 6201                      |
| 4x185SM                             | 2                           | 2.5                         | 47.2                         | 7737                      |
| 4x240SM                             | 2.2                         | 2.7                         | 53.3                         | 10076                     |
| 4x300SM                             | 2.4                         | 2.9                         | 58.7                         | 12561                     |
| 4x400SM                             | 2.6                         | 3.1                         | 66.9                         | 16018                     |
| 5x1.5 RE                            | 0.8                         | 1.8                         | 13.6                         | 277                       |
| 5x2.5 RE                            | 0.8                         | 1.8                         | 14.7                         | 349                       |
| 5x4 RE                              | 1                           | 1.8                         | 17.1                         | 495                       |
| 5x6 RE                              | 1                           | 1.8                         | 18.5                         | 628                       |
| 5x10 RM                             | 1                           | 1.8                         | 20.6                         | 875                       |
| 5x16 RM                             | 1                           | 1.8                         | 24.5                         | 1277                      |
| 5x25 RM                             | 1.2                         | 1.9                         | 28.2                         | 1861                      |
| 5x35 RM                             | 1.2                         | 2                           | 31.8                         | 2470                      |
| 5x50 RM                             | 1.4                         | 2.1                         | 36.0                         | 3260                      |
| 5x70 RM                             | 1.4                         | 2.3                         | 41.3                         | 4488                      |
| 5x95 RM                             | 1.6                         | 2.5                         | 47.2                         | 6101                      |
| 5x120RM                             | 1.6                         | 2.6                         | 51.7                         | 7503                      |
| 5x150RM                             | 1.8                         | 2.8                         | 56.9                         | 9225                      |
| 5x185RM                             | 2                           | 3                           | 63.2                         | 11451                     |
| 3x25+16 RM                          | 1.2 1                       | 1.8                         | 24.9                         | 1400                      |
| 3x35+16 RM                          | 1.2 1                       | 1.8                         | 26.9                         | 1717                      |
| 3x50+25 SM                          | 1.4 1.2                     | 1.8                         | 26.4                         | 1914                      |
| 3x70+35 SM                          | 1.4 1.2                     | 1.9                         | 29.4                         | 2630                      |
| 3x95+50 SM                          | 1.6 1.4                     | 2                           | 34.0                         | 3604                      |
| 3x120+70 SM                         | 1.6 1.4                     | 2.1                         | 36.8                         | 4525                      |
| 3x150+70 SM                         | 1.8 1.4                     | 2.3                         | 41.0                         | 5679                      |
| 3x185+95 SM                         | 2 1.6                       | 2.4                         | 45.2                         | 7061                      |
| 3x240+120 SM                        | 2.2 1.6                     | 2.6                         | 51.1                         | 9120                      |
| 3x300+150 SM                        | 2.4 1.8                     | 2.8                         | 56.8                         | 11380                     |
| 3x400+185 SM                        | 2.6 2                       | 3                           | 64.4                         | 13790                     |

On request, Aluminium Conductor is also available



NYY   N2XY   N2XH   NYCY   N2XCY   NYRY   NYBY   N2XRY  
 N2XBY   N2XHRH   NYCYR   N2XCYR   NYKYR   N2XKYR



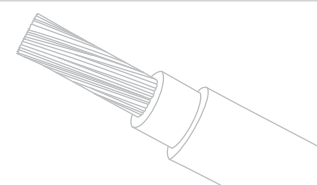


## Power Cable N2XY

- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:** IEC 60502-1, IEC 60228, ISIRI 3569-1
- **Construction :**  
CU/XLPE/PVC/PVC  
Conductor: Plain Annealed Copper Wire (class 1,2)  
Insulation Type: XLPE  
Filling Material: PVC  
Sheath Material: PVC 90 -ST2
- **Maximum Conductor Temperature:** 90°C
- **Application:**  
For Outdoors And Indoors Installation, In Damp And Wet Locations Laid Direct In The Graound (When Properly Protected) In Ducts, In Trenches And In Steel And In Steel Support Brackets.

| No. of Cores & Cross Section | Nominal Insulation Thickness | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx.) |
|------------------------------|------------------------------|--------------------------|---------------------------|------------------------|
| mm <sup>2</sup>              | mm                           | mm                       | mm                        | kg/km                  |
| 1x1.5 RE                     | 0.7                          | 1.4                      | 5.6                       | 45                     |
| 1x2.5 RE                     | 0.7                          | 1.4                      | 6                         | 56                     |
| 1x4 RE                       | 0.7                          | 1.4                      | 6.5                       | 74                     |
| 1x6 RE                       | 0.7                          | 1.4                      | 7                         | 95                     |
| 1x10 RE                      | 0.7                          | 1.4                      | 7.8                       | 137                    |
| 1x16 RM                      | 0.7                          | 1.4                      | 9.2                       | 199                    |
| 1x25 RM                      | 0.9                          | 1.4                      | 10.5                      | 294                    |
| 1x35 RM                      | 0.9                          | 1.4                      | 11.6                      | 389                    |
| 1x50 RM                      | 1                            | 1.4                      | 12.9                      | 510                    |
| 1x70 RM                      | 1.1                          | 1.4                      | 14.9                      | 713                    |
| 1x95 RM                      | 1.1                          | 1.5                      | 16.6                      | 964                    |
| 1x120 RM                     | 1.2                          | 1.5                      | 18.4                      | 1201                   |
| 1x150 RM                     | 1.4                          | 1.6                      | 20.2                      | 1477                   |
| 1x185 RM                     | 1.6                          | 1.7                      | 22.6                      | 1843                   |
| 1x240 RM                     | 1.7                          | 1.8                      | 25.1                      | 2390                   |
| 1x300 RM                     | 1.8                          | 1.8                      | 27.5                      | 2962                   |
| 1x400 RM                     | 2                            | 2                        | 31.6                      | 3789                   |
| 2x1.5 RE                     | 0.7                          | 1.8                      | 11.2                      | 161                    |
| 2x2.5 RE                     | 0.7                          | 1.8                      | 12                        | 195                    |
| 2x4 RE                       | 0.7                          | 1.8                      | 12.9                      | 241                    |
| 2x6 RE                       | 0.7                          | 1.8                      | 13.9                      | 299                    |
| 2x10 RE                      | 0.7                          | 1.8                      | 15.5                      | 409                    |
| 2x16 RM                      | 0.7                          | 1.8                      | 18.4                      | 592                    |
| 2x25 RM                      | 0.9                          | 1.8                      | 21                        | 841                    |
| 2x35 RM                      | 0.9                          | 1.8                      | 23.2                      | 1084                   |
| 2x50 RM                      | 1                            | 1.8                      | 25.8                      | 1400                   |
| 2x70 RM                      | 1.1                          | 1.9                      | 30                        | 1947                   |
| 2x95 RM                      | 1.1                          | 2                        | 33.6                      | 2588                   |
| 2x120 RM                     | 1.2                          | 2.2                      | 37.6                      | 3242                   |
| 2x150 RM                     | 1.4                          | 2.3                      | 41                        | 3942                   |
| 2x185 RM                     | 1.6                          | 2.4                      | 46                        | 4936                   |
| 2x240 RM                     | 1.7                          | 2.6                      | 51                        | 6311                   |
| 2x300 RM                     | 1.8                          | 2.8                      | 56.6                      | 7855                   |

On request, Aluminium Conductor is also available





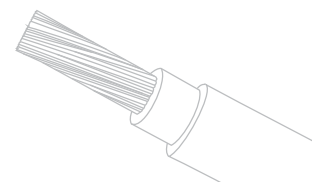
## Power Cable N2XY

| No. of Cores & Cross Section | Nominal Insulation Thickness |     | Nominal Sheath Thickness | Overall Diameter (Approx.) | Total Weight (Approx.) |
|------------------------------|------------------------------|-----|--------------------------|----------------------------|------------------------|
| mm <sup>2</sup>              | mm                           |     | mm                       | mm                         | kg/km                  |
| 3x1.5 RE                     | 0.7                          |     | 1.8                      | 11.6                       | 180                    |
| 3x2.5 RE                     | 0.7                          |     | 1.8                      | 12.5                       | 224                    |
| 3x4 RE                       | 0.7                          |     | 1.8                      | 13.5                       | 284                    |
| 3x6 RE                       | 0.7                          |     | 1.8                      | 14.6                       | 361                    |
| 3x10 RE                      | 0.7                          |     | 1.8                      | 16.3                       | 505                    |
| 3x16 RM                      | 0.7                          |     | 1.8                      | 19.4                       | 739                    |
| 3x25 RM                      | 0.9                          |     | 1.8                      | 22.2                       | 1069                   |
| 3x35 RM                      | 0.9                          |     | 1.8                      | 24.6                       | 1397                   |
| 3x50 SM                      | 1                            |     | 1.8                      | 24.1                       | 1674                   |
| 3x70 SM                      | 1.1                          |     | 1.9                      | 27.7                       | 2279                   |
| 3x95 SM                      | 1.1                          |     | 2                        | 30.9                       | 3007                   |
| 3x120 SM                     | 1.2                          |     | 2.1                      | 34.2                       | 3753                   |
| 3x150 SM                     | 1.4                          |     | 2.3                      | 38.3                       | 4684                   |
| 3x185 SM                     | 1.6                          |     | 2.4                      | 42.4                       | 5746                   |
| 3x240 SM                     | 1.7                          |     | 2.6                      | 47.4                       | 7372                   |
| 3x300 SM                     | 1.8                          |     | 2.8                      | 49.4                       | 9103                   |
|                              |                              |     |                          |                            |                        |
| 4x1.5 RE                     | 0.7                          |     | 1.8                      | 12.3                       | 208                    |
| 4x2.5 RE                     | 0.7                          |     | 1.8                      | 13.3                       | 263                    |
| 4x4 RE                       | 0.7                          |     | 1.8                      | 14.5                       | 342                    |
| 4x6 RE                       | 0.7                          |     | 1.8                      | 15.7                       | 438                    |
| 4x10 RE                      | 0.7                          |     | 1.8                      | 17.6                       | 623                    |
| 4x16 RM                      | 0.7                          |     | 1.8                      | 21.1                       | 920                    |
| 4x25 RM                      | 0.9                          |     | 1.8                      | 24.2                       | 1344                   |
| 4x35 RM                      | 0.9                          |     | 1.8                      | 26.9                       | 1767                   |
| 4x50 SM                      | 1                            |     | 1.8                      | 25.1                       | 1952                   |
| 4x70 SM                      | 1.1                          |     | 1.9                      | 29.2                       | 2761                   |
| 4x95 SM                      | 1.1                          |     | 2                        | 32.8                       | 3747                   |
| 4x120 SM                     | 1.2                          |     | 2.1                      | 36.5                       | 4697                   |
| 4x150 SM                     | 1.4                          |     | 2.3                      | 40.7                       | 5811                   |
| 4x185 SM                     | 1.6                          |     | 2.4                      | 45.0                       | 7237                   |
| 4x240 SM                     | 1.7                          |     | 2.6                      | 50.7                       | 9431                   |
| 4x300 SM                     | 1.8                          |     | 2.7                      | 55.4                       | 11726                  |
| 4x400 SM                     | 2                            |     | 3                        | 63.8                       | 15021                  |
|                              |                              |     |                          |                            |                        |
| 5x1.5 RE                     | 0.7                          |     | 1.8                      | 13.1                       | 241                    |
| 5x2.5 RE                     | 0.7                          |     | 1.8                      | 14.2                       | 309                    |
| 5x4 RE                       | 0.7                          |     | 1.8                      | 15.5                       | 405                    |
| 5x6 RE                       | 0.7                          |     | 1.8                      | 16.8                       | 523                    |
| 5x10 RE                      | 0.7                          |     | 1.8                      | 19.0                       | 758                    |
| 5x16 RM                      | 0.7                          |     | 1.8                      | 22.9                       | 1128                   |
| 5x25 RM                      | 0.9                          |     | 1.8                      | 26.4                       | 1661                   |
| 5x35 RM                      | 0.9                          |     | 1.9                      | 29.6                       | 2207                   |
| 5x50 RM                      | 1                            |     | 2                        | 33.7                       | 2938                   |
| 5x70 RM                      | 1.1                          |     | 2.2                      | 39.5                       | 4141                   |
| 5x95 RM                      | 1.1                          |     | 2.4                      | 44.3                       | 5573                   |
| 5x120 RM                     | 1.2                          |     | 2.6                      | 49.6                       | 6986                   |
| 5x150 RM                     | 1.4                          |     | 2.7                      | 54.5                       | 8579                   |
| 5x185 RM                     | 1.6                          |     | 2.9                      | 60.8                       | 10685                  |
|                              |                              |     |                          |                            |                        |
| 3x25+16 RM                   | 0.9                          | 0.7 | 1.8                      | 23.5                       | 1256                   |
| 3x35+16 RM                   | 0.9                          | 0.7 | 1.8                      | 25.4                       | 1552                   |
| 3x50+25 SM                   | 1                            | 0.9 | 1.8                      | 24.5                       | 1774                   |
| 3x70+35 SM                   | 1.1                          | 0.9 | 1.9                      | 27.9                       | 2482                   |
| 3x95+50 SM                   | 1.1                          | 1   | 2                        | 31.5                       | 3365                   |
| 3x120+70 SM                  | 1.2                          | 1.1 | 2.1                      | 34.8                       | 4290                   |
| 3x150+70 SM                  | 1.4                          | 1.1 | 2.2                      | 39.0                       | 5381                   |
| 3x185+95 SM                  | 1.6                          | 1.1 | 2.4                      | 43.2                       | 6716                   |
| 3x240+120 SM                 | 1.7                          | 1.2 | 2.5                      | 48.6                       | 8661                   |
| 3x300+150 SM                 | 1.8                          | 1.4 | 2.7                      | 53.8                       | 10805                  |
| 3x400+185 SM                 | 2                            | 1.6 | 2.9                      | 61.4                       | 13346                  |

On request, Aluminium Conductor is also available



NYY    **N2XY**    N2XH    NYCY    N2XCY    NYRY    NYBY    N2XRY  
 N2XBY    N2XHRH    NYCYR    N2XCYR    NYKYR    N2XKYR





## Power Cable N2XH

● **Rated Voltage:** 0.6/1 KV

● **Applicable Standard:** IEC 60502-1, ISIRI 3569-1

● **Construction :**

CU/MGT/PET/XLPE/HFLS/HFLS

Conductor: Plain Annealed copper wire (class 2)

Flam barrier: Mica glass tape

Insulation Type: XLPE

Inner sheath: Halogen free, Low smoke, Flame retardant – HFLS

Outer sheath: Halogen free, Low smoke, Flame retardant – HFLS

● **Technical data:**

1) Temperature: -30°C to + 90°C

2) Maximum short circuit temperature: 250°C (5 seconds Max.)

3) Conductor resistance: As per class 2 of IEC 60228

4) Test voltage: 3.5 kv rms or 8.4 kvdc for 5 minutes

5) Flame retardant test: Acc. IEC 60332-1

6) Flam propagation test: Acc. IEC 60332-3

7) Fire resistance test: Acc. IEC 60331-21

8) Smoke density test: Acc. IEC 61034

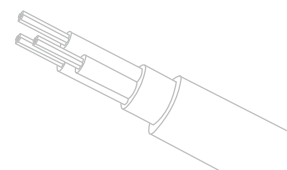
9) Halogen content test: Acc. IEC 60754-2

● **Application:**

These cables can be used for electricity supply and control in public network and industrial plants or public buildings, where people are potentially endangered in case of fire and where, for a defined period of time, the continuity of control and energy supply is of vital necessity.



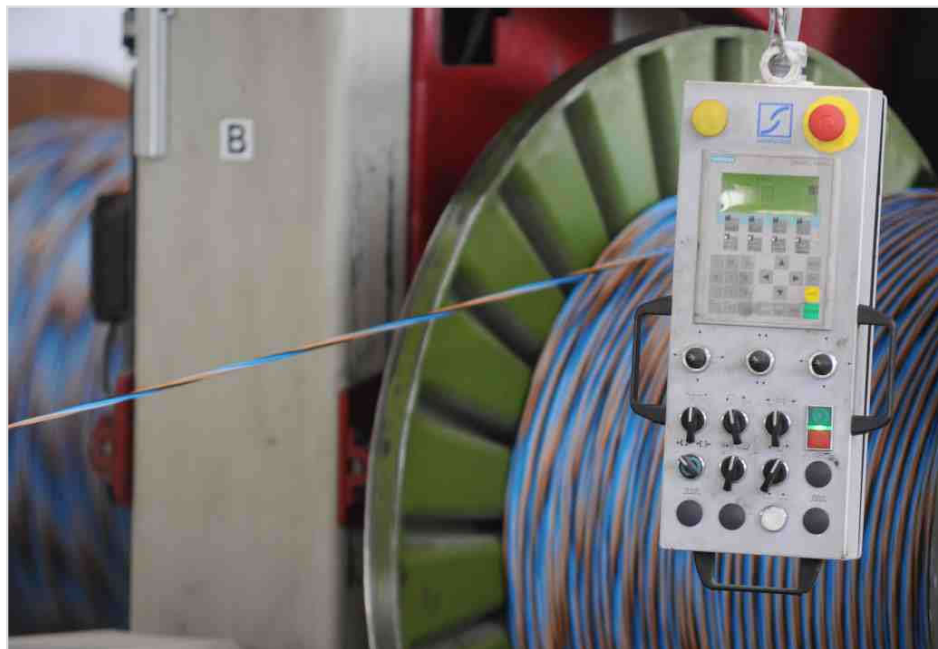
| No. of Cores & Cross Section | No. strand x diameter | Nominal Insulation thickness | Nominal sheath thickness | Overall Diameter (Approx.) | Total Weight (Approx.) |
|------------------------------|-----------------------|------------------------------|--------------------------|----------------------------|------------------------|
| mm <sup>2</sup>              | No. x mm              | mm                           | mm                       | mm                         | kg/km                  |
| 2x1.5 RM                     | 7x0.53                | 0.7                          | 1.8                      | 12.4                       | 170                    |
| 2x2.5 RM                     | 7x0.67                | 0.7                          | 1.8                      | 13.2                       | 230                    |
| 2x4 RM                       | 7x0.85                | 0.7                          | 1.8                      | 14.4                       | 282                    |
| 2x5 RM                       | 7x1.04                | 0.7                          | 1.8                      | 15.4                       | 344                    |
| 3x1.5 RM                     | 7x0.53                | 0.7                          | 1.8                      | 13.0                       | 222                    |
| 3x2.5 RM                     | 7x0.67                | 0.7                          | 1.8                      | 13.9                       | 264                    |
| 3x4 RM                       | 7x0.85                | 0.7                          | 1.8                      | 15.2                       | 332                    |
| 3x6 RM                       | 7x1.04                | 0.7                          | 1.8                      | 16.4                       | 404                    |
| 4x1.5 RM                     | 7x0.53                | 0.7                          | 1.8                      | 14.0                       | 242                    |
| 4x2.5 RM                     | 7x0.67                | 0.7                          | 1.8                      | 15.0                       | 288                    |
| 4x4 RM                       | 7x0.85                | 0.7                          | 1.8                      | 16.5                       | 378                    |
| 4x6 RM                       | 7x1.04                | 0.7                          | 1.8                      | 17.7                       | 472                    |
| 5x1.5 RM                     | 7x0.53                | 0.7                          | 1.8                      | 15.2                       | 286                    |
| 5x2.5 RM                     | 7x0.67                | 0.7                          | 1.8                      | 16.3                       | 344                    |
| 5x4 RM                       | 7x0.85                | 0.7                          | 1.8                      | 18.0                       | 424                    |
| 5x6 RM                       | 7x1.04                | 0.7                          | 1.8                      | 19.4                       | 555                    |
| 7x1.5 RM                     | 7x0.53                | 0.7                          | 1.8                      | 16.0                       | 300                    |
| 10x1.5 RM                    | 7x0.53                | 0.7                          | 1.8                      | 20.0                       | 412                    |
| 12x1.5 RM                    | 7x0.53                | 0.7                          | 1.8                      | 20.6                       | 450                    |
| 19x1.5 RM                    | 7x0.53                | 0.7                          | 1.8                      | 24.3                       | 605                    |



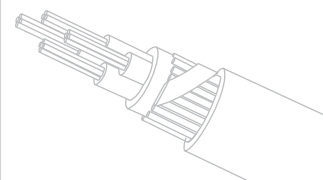
## Concentric Power Cable NYCY

- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:** IEC 60502-1, IEC 60228, ISIRI 3569-1
- **Construction :**
  - CU/PVC/CWS(CTS)/PVC
  - Conductor: Plain Annealed Copper Wire (class 1,2)
  - Insulation Type: P.V.C / A
  - Bedding Material: P.V.C
  - Concentric material: Copper Wire + Copper Tape
  - Sheath Material: P.V.C - ST1
- **Maximum Conductor Temperature:** 70°C
- **Application:**

Predominantly Designed For Installation In Industrial And Control Equipment, In Power House And Where Ever A High Level Of Both Electrical And Mechanical Protection Is Required.



NYN   N2XY   N2XH   **NYCY**   N2XCY   NYRY   NYBY   N2XRY  
N2XBY   N2XHRH   NYCYRY   N2XCYRY   NYKYRY   N2XKYRY

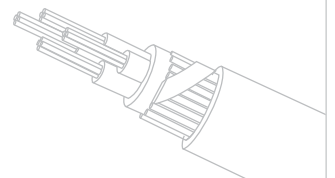




## Concentric Power Cable NYCY

| No. of Cores & Cross Section | Nominal Insulation Thickness | Nominal Inner Layer Thickness | Nominal Concentric Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-------------------------------|----------------------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                            | mm                               | mm                       | mm                        | kg/km                 |
| 1x1.5RE/1.5                  | 0.8                          | 0                             | 0.5                              | 1.4                      | 7.0                       | 77                    |
| 1x2.5RE/2.5                  | 0.8                          | 0                             | 0.5                              | 1.4                      | 7.4                       | 98                    |
| 1x4 RE/4                     | 1                            | 0                             | 0.8                              | 1.4                      | 8.9                       | 142                   |
| 1x6 RE/6                     | 1                            | 0                             | 0.8                              | 1.4                      | 9.8                       | 191                   |
| 1x10 RE/10                   | 1                            | 0                             | 0.8                              | 1.4                      | 10.2                      | 264                   |
| 1x16 RM/16                   | 1                            | 0                             | 0.8                              | 1.4                      | 11.6                      | 387                   |
| 1x25 RM/25                   | 1.2                          | 0                             | 0.9                              | 1.4                      | 13.1                      | 569                   |
| 1x35 RM/35                   | 1.2                          | 0                             | 0.9                              | 1.4                      | 14.2                      | 759                   |
| 1x50 RM/50                   | 1.4                          | 0                             | 0.9                              | 1.5                      | 15.9                      | 998                   |
| 2x1.5RE/1.5                  | 0.8                          | 1                             | 0.5                              | 1.8                      | 12.8                      | 221                   |
| 2x2.5RE/2.5                  | 0.8                          | 1                             | 0.5                              | 1.8                      | 13.6                      | 269                   |
| 2x4 RE/4                     | 1                            | 1                             | 0.8                              | 1.8                      | 15.9                      | 367                   |
| 2x6 RE/6                     | 1                            | 1                             | 0.8                              | 1.8                      | 16.9                      | 451                   |
| 2x10 RE/10                   | 1                            | 1                             | 0.8                              | 1.8                      | 18.5                      | 612                   |
| 2x16 RM/16                   | 1                            | 1                             | 0.8                              | 1.8                      | 21.4                      | 876                   |
| 2x25 RM/25                   | 1.2                          | 1                             | 0.9                              | 1.8                      | 24.2                      | 1234                  |
| 2x35 RM/35                   | 1.2                          | 1                             | 0.9                              | 1.8                      | 26.4                      | 1595                  |
| 2x50 2x50                    | 1.4                          | 1                             | 0.9                              | 1.9                      | 29.6                      | 2081                  |
| 3x1.5RE/1.5                  | 0.8                          | 1                             | 0.5                              | 1.8                      | 13.2                      | 243                   |
| 3x2.5RE/2.5                  | 0.8                          | 1                             | 0.5                              | 1.8                      | 14.1                      | 301                   |
| 3x4 RE/4                     | 1                            | 1                             | 0.8                              | 1.8                      | 16.6                      | 419                   |
| 3x6 RE/6                     | 1                            | 1                             | 0.8                              | 1.8                      | 17.7                      | 523                   |
| 3x10 RE/10                   | 1                            | 1                             | 0.8                              | 1.8                      | 19.4                      | 720                   |
| 3x16 RM/16                   | 1                            | 1                             | 0.8                              | 1.8                      | 22.5                      | 1037                  |
| 3x25 RM/25                   | 1.2                          | 1                             | 0.8                              | 1.8                      | 25.3                      | 1433                  |
| 3x35 RM/35                   | 1.2                          | 1                             | 0.9                              | 1.9                      | 28.1                      | 1942                  |
| 3x50 RM/50                   | 1.4                          | 1                             | 0.9                              | 2                        | 31.5                      | 2484                  |
| 4x1.5RE/1.5                  | 0.8                          | 1                             | 0.5                              | 1.8                      | 14.0                      | 269                   |
| 4x2.5RE/2.5                  | 0.8                          | 1                             | 0.5                              | 1.8                      | 15.0                      | 338                   |
| 4x4 RE/4.4                   | 1                            | 1                             | 0.8                              | 1.8                      | 17.7                      | 474                   |
| 4x6 RE/6                     | 1                            | 1                             | 0.8                              | 1.8                      | 18.9                      | 597                   |
| 4x10 RE/10                   | 1                            | 1                             | 0.8                              | 1.8                      | 20.9                      | 838                   |
| 4x16 RM/16                   | 1                            | 1                             | 0.8                              | 1.8                      | 24.3                      | 1210                  |
| 4x25 RM/25                   | 1.2                          | 1                             | 0.9                              | 1.8                      | 27.7                      | 1752                  |
| 4x35 RM/35                   | 1.2                          | 1                             | 0.9                              | 1.8                      | 27.7                      | 2089                  |
| 4x50 RM/50                   | 1.4                          | 1                             | 0.9                              | 2                        | 31.5                      | 2771                  |
| 5x1.5RE/1.5                  | 0.8                          | 1                             | 0.5                              | 1.8                      | 14.8                      | 305                   |
| 5x2.5RE/2.5                  | 0.8                          | 1                             | 0.5                              | 1.8                      | 15.9                      | 386                   |
| 5x4 RE/4.4                   | 1                            | 1                             | 0.8                              | 1.8                      | 18.9                      | 550                   |
| 5x6 RE/6                     | 1                            | 1                             | 0.8                              | 1.8                      | 20.3                      | 699                   |
| 5x10 RE/10                   | 1                            | 1                             | 0.8                              | 1.8                      | 22.4                      | 981                   |
| 5x16 RM/16                   | 1                            | 1                             | 0.8                              | 1.8                      | 26.3                      | 1431                  |
| 5x25 RM/25                   | 1.2                          | 1                             | 0.9                              | 1.9                      | 30.2                      | 2091                  |
| 5x35 RM/35                   | 1.2                          | 1.2                           | 0.9                              | 2                        | 33.8                      | 2782                  |
| 5x50 RM/50                   | 1.4                          | 1.2                           | 0.9                              | 2.2                      | 38.2                      | 3676                  |
| 3x25+16 RM/16                | 1.2 1                        | 1                             | 0.8                              | 1.8                      | 26.7                      | 1554                  |
| 3x35+16 RM/16                | 1.2 1                        | 1                             | 0.8                              | 1.9                      | 28.9                      | 1885                  |
| 3x50+25 SM/25                | 1.4 1.2                      | 1                             | 0.9                              | 1.8                      | 30.4                      | 2319                  |
| 3x70+35 SM/35                | 1.4 1.2                      | 1.2                           | 0.9                              | 1.9                      | 33.7                      | 3169                  |
| 3x95+50 SM/50                | 1.6 1.4                      | 1.2                           | 0.9                              | 2                        | 38.4                      | 4279                  |

On request, Aluminium Conductor is also available

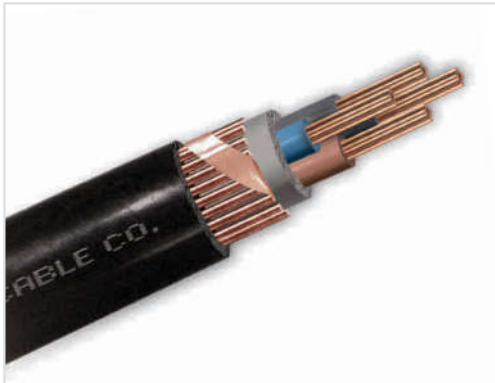




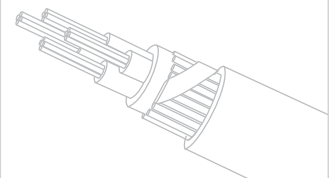
## Concentric Power Cable N2XCY

- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:** IEC 60502-1, IEC 60228, ISIRI 3569-1
- **Construction :**
  - CU/XLPE/PVC/CWS/PVC
  - Conductor: Plain Annealed Copper Wire (class 1,2)
  - Insulation Type: XLPE
  - Bedding Material: PVC
  - Concentric material: Copper Wire + Copper Tape
  - Sheath Material: PVC 90 - ST2
- **Maximum Conductor Temperature:** 90°C
- **Application:**

For Outdoor Installation In Damp And Wet Location, Laid Direct In, The Ground Where Excessive Mechanical Stresses Are Required In Sloping And Movable Terrains And In Vertical Or Inclined Laying , As Well As In Locations Susceptible To Sliding.



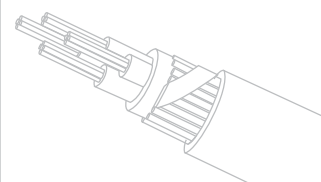
NYN N2XY N2XH NYCY **N2XCY** NYRY NYBY N2XRY  
N2XBY N2XHRH NYCYRY N2XCORY NYKYRY N2XKYRY



## Concentric Power Cable N2XCY

| No. of Cores & Cross Section | Nominal Insulation Thickness | Nominal Inner Layer Thickness | Nominal Concentric Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-------------------------------|----------------------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                            | mm                               | mm                       | mm                        | kg/km                 |
| 1x1.5 RE/1.5                 | 0.7                          | 0                             | 0.5                              | 1.4                      | 6.8                       | 81                    |
| 1x2.5 RE/2.5                 | 0.7                          | 0                             | 0.5                              | 1.4                      | 7.2                       | 104                   |
| 1x4 RE/4                     | 0.7                          | 0                             | 0.8                              | 1.4                      | 8.3                       | 148                   |
| 1x6 RE/6                     | 0.7                          | 0                             | 0.8                              | 1.4                      | 8.8                       | 190                   |
| 1x10 RE/10                   | 0.7                          | 0                             | 0.8                              | 1.4                      | 9.6                       | 273                   |
| 1x16 RM/16                   | 0.7                          | 0                             | 0.8                              | 1.4                      | 11.0                      | 398                   |
| 1x25 RM/25                   | 0.9                          | 0                             | 0.9                              | 1.4                      | 12.5                      | 585                   |
| 1x35 RM/35                   | 0.9                          | 0                             | 0.9                              | 1.4                      | 13.6                      | 778                   |
| 1x50 RM/50                   | 1                            | 0                             | 0.9                              | 1.4                      | 14.9                      | 1005                  |
| 2x1.5 RE/1.5                 | 0.7                          | 1                             | 0.5                              | 1.8                      | 12.4                      | 220                   |
| 2x2.5 RE/2.5                 | 0.7                          | 1                             | 0.5                              | 1.8                      | 13.2                      | 266                   |
| 2x4 RE/4                     | 0.7                          | 1                             | 0.8                              | 1.8                      | 14.7                      | 351                   |
| 2x6 RE/6                     | 0.7                          | 1                             | 0.8                              | 1.8                      | 15.7                      | 433                   |
| 2x10 RE/10                   | 0.7                          | 1                             | 0.8                              | 1.8                      | 17.3                      | 590                   |
| 2x16 RM/16                   | 0.7                          | 1                             | 0.8                              | 1.8                      | 20.2                      | 846                   |
| 2x25 RM/25                   | 0.9                          | 1                             | 0.9                              | 1.8                      | 23.0                      | 1201                  |
| 2x35 RM/35                   | 0.9                          | 1                             | 0.9                              | 1.8                      | 25.2                      | 1554                  |
| 2x50 RM/50                   | 1                            | 1                             | 0.9                              | 1.8                      | 27.8                      | 1987                  |
| 3x1.5 RE/1.5                 | 0.7                          | 1                             | 0.5                              | 1.8                      | 12.8                      | 241                   |
| 3x2.5 RE/2.5                 | 0.7                          | 1                             | 0.5                              | 1.8                      | 13.7                      | 298                   |
| 3x4 RE/4                     | 0.7                          | 1                             | 0.8                              | 1.8                      | 15.3                      | 398                   |
| 3x6 RE/6                     | 0.7                          | 1                             | 0.8                              | 1.8                      | 16.4                      | 500                   |
| 3x10 RE/10                   | 0.7                          | 1                             | 0.8                              | 1.8                      | 18.1                      | 693                   |
| 3x16 RM/16                   | 0.7                          | 1                             | 0.8                              | 1.8                      | 21.2                      | 1000                  |
| 3x25 RM/16                   | 0.9                          | 1                             | 0.8                              | 1.8                      | 24.0                      | 1383                  |
| 3x35 RM/35                   | 0.9                          | 1                             | 0.9                              | 1.8                      | 26.6                      | 1880                  |
| 3x35 RM/16                   | 0.9                          | 1                             | 0.9                              | 1.8                      | 23.8                      | 1592                  |
| 3x50 RM/50                   | 1                            | 1                             | 0.9                              | 1.9                      | 29.6                      | 2436                  |
| 3x50 RM/16                   | 1                            | 1                             | 0.9                              | 1.8                      | 26.2                      | 2067                  |
| 4x1.5 RE/1.5                 | 0.7                          | 1                             | 0.5                              | 1.8                      | 13.5                      | 272                   |
| 4x2.5 RE/2.5                 | 0.7                          | 1                             | 0.5                              | 1.8                      | 14.5                      | 341                   |
| 4x4 RE/4                     | 0.7                          | 1                             | 0.8                              | 1.8                      | 16.3                      | 462                   |
| 4x6 RE/6                     | 0.7                          | 1                             | 0.8                              | 1.8                      | 17.5                      | 584                   |
| 4x10 RE/10                   | 0.7                          | 1                             | 0.8                              | 1.8                      | 19.4                      | 819                   |
| 4x16 RM/16                   | 0.7                          | 1                             | 0.8                              | 1.8                      | 22.9                      | 1194                  |
| 4x25 RM/16                   | 0.9                          | 1                             | 0.9                              | 1.8                      | 26.2                      | 1732                  |
| 4x35 RM/35                   | 0.9                          | 1                             | 0.9                              | 1.9                      | 29.1                      | 2284                  |
| 4x50 RM/50                   | 1                            | 1                             | 0.9                              | 1.9                      | 29.3                      | 2584                  |
| 5x1.5 RE/1.5                 | 0.7                          | 1                             | 0.5                              | 1.8                      | 14.3                      | 308                   |
| 5x2.5 RE/2.5                 | 0.7                          | 1                             | 0.5                              | 1.8                      | 15.4                      | 389                   |
| 5x4 RE/4                     | 0.7                          | 1                             | 0.8                              | 1.8                      | 17.3                      | 528                   |
| 5x6 RE/6                     | 0.7                          | 1                             | 0.8                              | 1.8                      | 18.6                      | 671                   |
| 5x10 RE/10                   | 0.7                          | 1                             | 0.8                              | 1.8                      | 20.8                      | 955                   |
| 5x16 RM/16                   | 0.7                          | 1                             | 0.8                              | 1.8                      | 24.7                      | 1400                  |
| 5x25 RM/16                   | 0.9                          | 1                             | 0.9                              | 1.9                      | 28.6                      | 2059                  |
| 5x35 RM/35                   | 0.9                          | 1.2                           | 0.9                              | 2.0                      | 32.2                      | 2746                  |
| 5x50 RM/50                   | 1                            | 1.2                           | 0.9                              | 2.1                      | 35.9                      | 3572                  |
| 3x25+16 RM/16                | 0.9 0.7                      | 1                             | 0.8                              | 1.8                      | 25.3                      | 1532                  |
| 3x35+16 RM/16                | 0.9 0.7                      | 1                             | 0.8                              | 1.8                      | 27.2                      | 1839                  |
| 3x50+25 SM/25                | 1 0.9                        | 1                             | 0.9                              | 1.8                      | 28.5                      | 1360                  |
| 3x70+35 SM/35                | 1.1 0.9                      | 1.2                           | 0.9                              | 1.9                      | 32.4                      | 3023                  |
| 3x95+50 SM/50                | 1.1 1                        | 1.2                           | 0.9                              | 2                        | 36.1                      | 4037                  |

On request, Aluminium Conductor is also available



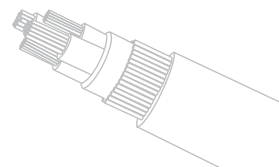
## Armoured Power Cable NYRY

- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:** IEC 60502-1, IEC 60228, ISIRI 3569-1
- **Construction :**  
 CU/PVC/SWA or AWA/PVC  
 Conductor: Plain Annealed Copper Wire (class 1,2)  
 Insulation Type: P.V.C / A  
 Bedding Material: P.V.C  
 Armour material: Galvanized Steel Wire/Aluminium Wire  
 Sheath Material: PVC - ST1
- **Maximum Conductor Temperature:** 70°C
- **Application:**  
 For Outdoor And Indoor Installation and Wet Location Laid Direct To The Ground, Where Mechanical Damages Are Expected To Occur.

| No. of Cores & Cross Section | Nominal Insulation Thickness | Nominal Inner Layer Thickness | Armour Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-------------------------------|----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                            | mm                   | mm                       | mm                        | kg/km                 |
| 1x25 RM                      | 1.2                          | 1                             | 1.25                 | 1.4                      | 15.6                      | 475                   |
| 1x35 RM                      | 1.2                          | 1                             | 1.25                 | 1.5                      | 16.9                      | 595                   |
| 1x50 RM                      | 1.4                          | 1                             | 1.25                 | 1.5                      | 18.4                      | 744                   |
| 1x70 RM                      | 1.4                          | 1                             | 1.25                 | 1.6                      | 20.4                      | 983                   |
| 1x95 RM                      | 1.6                          | 1                             | 1.6                  | 1.7                      | 23.2                      | 1329                  |
| 1x120 RM                     | 1.6                          | 1                             | 1.6                  | 1.7                      | 24.8                      | 1591                  |
| 1x150 RM                     | 1.8                          | 1                             | 1.6                  | 1.8                      | 26.6                      | 1904                  |
| 1x185 RM                     | 2                            | 1                             | 1.6                  | 1.9                      | 29.0                      | 2319                  |
| 1x240 RM                     | 2.2                          | 1                             | 1.6                  | 2.0                      | 31.7                      | 2933                  |
| 1x300 RM                     | 2.4                          | 1.2                           | 2                    | 2.1                      | 35.7                      | 3703                  |
| 1x400 RM                     | 2.6                          | 1.2                           | 2                    | 2.2                      | 39.6                      | 4612                  |
| 2x1.5 RE                     | 0.8                          | 1                             | 0.9                  | 1.8                      | 13.4                      | 332                   |
| 2x2.5 RE                     | 0.8                          | 1                             | 0.9                  | 1.8                      | 14.2                      | 383                   |
| 2x4 RE                       | 1                            | 1                             | 1.25                 | 1.8                      | 16.6                      | 568                   |
| 2x6 RE                       | 1                            | 1                             | 1.25                 | 1.8                      | 17.6                      | 650                   |
| 2x10 RE                      | 1                            | 1                             | 1.25                 | 1.8                      | 19.2                      | 806                   |
| 2x16 RM                      | 1                            | 1                             | 1.6                  | 1.8                      | 22.8                      | 1181                  |
| 2x25 RM                      | 1.2                          | 1                             | 1.6                  | 1.8                      | 25.4                      | 1525                  |
| 2x35 RM                      | 1.2                          | 1                             | 1.6                  | 1.8                      | 27.6                      | 1861                  |
| 2x50 RM                      | 1.4                          | 1                             | 1.6                  | 1.9                      | 30.8                      | 2311                  |
| 2x70 RM                      | 1.4                          | 1.2                           | 2                    | 2.1                      | 36.0                      | 3254                  |
| 2x95 RM                      | 1.6                          | 1.2                           | 2                    | 2.2                      | 40.0                      | 4109                  |
| 2x120 RM                     | 1.6                          | 1.2                           | 2                    | 2.4                      | 43.6                      | 4895                  |
| 2x150 RM                     | 1.8                          | 1.4                           | 2.5                  | 2.5                      | 48.4                      | 6209                  |
| 2x185 RM                     | 2                            | 1.4                           | 2.5                  | 2.7                      | 53.2                      | 7437                  |
| 2x240 RM                     | 2.2                          | 1.4                           | 2.5                  | 2.8                      | 58.4                      | 9132                  |
| 2x300 RM                     | 2.4                          | 1.6                           | 2.5                  | 3.0                      | 64.4                      | 11074                 |
| 3x1.5 RE                     | 0.8                          | 1                             | 0.9                  | 1.8                      | 13.8                      | 363                   |
| 3x2.5 RE                     | 0.8                          | 1                             | 0.9                  | 1.8                      | 14.7                      | 420                   |
| 3x4 RE                       | 1                            | 1                             | 1.25                 | 1.8                      | 17.3                      | 630                   |
| 3x6 RE                       | 1                            | 1                             | 1.25                 | 1.8                      | 18.4                      | 741                   |
| 3x10 RE                      | 1                            | 1                             | 1.25                 | 1.8                      | 20.1                      | 934                   |
| 3x16 RM                      | 1                            | 1                             | 1.6                  | 1.8                      | 23.9                      | 1391                  |
| 3x25 RM                      | 1.2                          | 1                             | 1.6                  | 1.8                      | 26.7                      | 1822                  |
| 3x35 RM                      | 1.2                          | 1                             | 1.6                  | 1.9                      | 29.3                      | 2243                  |
| 3x50 SM                      | 1.4                          | 1                             | 1.6                  | 2.0                      | 31.5                      | 2802                  |
| 3x70 SM                      | 1.4                          | 1.2                           | 1.6                  | 2.1                      | 35.8                      | 3812                  |
| 3x95 SM                      | 1.6                          | 1.2                           | 1.6                  | 2.1                      | 39.9                      | 4776                  |

On request, Aluminium Conductor is also available

NYY N2XY N2XH NYCY N2XCY NYRY NYBY N2XRY  
 N2XBY N2XHRH NYCYRY N2XCYRY NYKYRY N2XKYRY

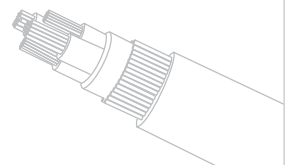


## Armoured Power Cable NYRY



| No. of Cores & Cross Section | Nominal Insulation Thickness | Nominal Inner Layer Thickness | Armour Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-------------------------------|----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                            | mm                   | mm                       | mm                        | kg/km                 |
| 3x120 SM                     | 1.6                          | 1.2                           | 2                    | 2.3                      | 42.7                      | 5648                  |
| 3x150 SM                     | 1.8                          | 1.4                           | 2.5                  | 2.5                      | 48.3                      | 7280                  |
| 3x185 SM                     | 2                            | 1.4                           | 2.5                  | 2.7                      | 52.6                      | 8653                  |
| 3x240 SM                     | 2.2                          | 1.6                           | 2.5                  | 2.9                      | 58.4                      | 10720                 |
| 3x300 SM                     | 2.4                          | 1.6                           | 2.5                  | 2.9                      | 60.4                      | 12609                 |
| 4x1.5 RE                     | 0.8                          | 1                             | 0.9                  | 1.8                      | 14.6                      | 407                   |
| 4x2.5 RE                     | 0.8                          | 1                             | 1.25                 | 1.8                      | 16.3                      | 563                   |
| 4x4 RE                       | 1                            | 1                             | 1.25                 | 1.8                      | 18.4                      | 726                   |
| 4x6 RE                       | 1                            | 1                             | 1.25                 | 1.8                      | 19.6                      | 859                   |
| 4x10 RE                      | 1                            | 1                             | 1.25                 | 1.8                      | 21.6                      | 1109                  |
| 4x16 RM                      | 1                            | 1                             | 1.6                  | 1.8                      | 25.7                      | 1638                  |
| 4x25 RM                      | 1.2                          | 1                             | 1.6                  | 1.9                      | 29.1                      | 2204                  |
| 4x35 RM                      | 1.2                          | 1                             | 1.6                  | 2.0                      | 31.9                      | 2737                  |
| 4x50 SM                      | 1.4                          | 1                             | 2                    | 2.0                      | 33.5                      | 3335                  |
| 4x70 SM                      | 1.4                          | 1.2                           | 2                    | 2.2                      | 37.7                      | 4351                  |
| 4x95 SM                      | 1.6                          | 1.2                           | 2                    | 2.3                      | 42.2                      | 5649                  |
| 4x120SM                      | 1.6                          | 1.2                           | 2.5                  | 2.5                      | 46.6                      | 7164                  |
| 4x150SM                      | 1.8                          | 1.4                           | 2.5                  | 2.6                      | 51.0                      | 8594                  |
| 4x185 SM                     | 2                            | 1.4                           | 2.5                  | 2.7                      | 55.4                      | 10340                 |
| 4x240 SM                     | 2.2                          | 1.6                           | 2.5                  | 3.0                      | 62.1                      | 13081                 |
| 4x300 SM                     | 2.4                          | 1.6                           | 2.5                  | 3.1                      | 67.3                      | 15821                 |
| 4x400 SM                     | 2.6                          | 1.8                           | 3.15                 | 3.5                      | 77.6                      | 20715                 |
| 5x1.5 RE                     | 0.8                          | 1                             | 0.9                  | 1.8                      | 15.4                      | 457                   |
| 5x2.5 RE                     | 0.8                          | 1                             | 1.25                 | 1.8                      | 17.2                      | 630                   |
| 5x4 RE                       | 1                            | 1                             | 1.25                 | 1.8                      | 19.6                      | 829                   |
| 5x6 RE                       | 1                            | 1                             | 1.25                 | 1.8                      | 21.0                      | 988                   |
| 5x10 RE                      | 1                            | 1                             | 1.6                  | 1.8                      | 23.8                      | 1402                  |
| 5x16 RM                      | 1                            | 1                             | 1.6                  | 1.8                      | 27.7                      | 1921                  |
| 5x25 RM                      | 1.2                          | 1                             | 1.6                  | 2.0                      | 31.6                      | 2605                  |
| 5x35 RM                      | 1.2                          | 1.2                           | 2                    | 2.1                      | 36.0                      | 3533                  |
| 5x50 RM                      | 1.4                          | 1.2                           | 2                    | 2.3                      | 40.4                      | 4476                  |
| 5x70 RM                      | 1.4                          | 1.2                           | 2.5                  | 2.5                      | 46.7                      | 6273                  |
| 5x95 RM                      | 1.6                          | 1.4                           | 2.5                  | 2.7                      | 52.6                      | 8095                  |
| 5x120 RM                     | 1.6                          | 1.4                           | 2.5                  | 2.8                      | 57.1                      | 9710                  |
| 5x150 RM                     | 1.8                          | 1.6                           | 2.5                  | 3.0                      | 62.3                      | 11601                 |
| 5x185 RM                     | 2                            | 1.6                           | 2.5                  | 3.2                      | 68.6                      | 14104                 |
| 3x25+16 RM                   | 1.2                          | 1                             | 1.6                  | 1.9                      | 28.3                      | 2055                  |
| 3x35+16 RM                   | 1.2                          | 1                             | 1.6                  | 1.9                      | 30.3                      | 2458                  |
| 3x50+25 SM                   | 1.4                          | 1.2                           | 1.6                  | 1.8                      | 31.6                      | 2834                  |
| 3x70+35 SM                   | 1.4                          | 1.2                           | 2                    | 1.9                      | 35.7                      | 3927                  |
| 3x95+50 SM                   | 1.6                          | 1.4                           | 2                    | 2                        | 40.4                      | 5083                  |
| 3x120+70 SM                  | 1.6                          | 1.4                           | 2                    | 2.1                      | 43.2                      | 6123                  |
| 3x150+70 SM                  | 1.8                          | 1.4                           | 2.5                  | 2.3                      | 48.7                      | 7880                  |
| 3x185+95 SM                  | 2                            | 1.6                           | 2.5                  | 2.4                      | 52.9                      | 9463                  |
| 3x240+120 SM                 | 2.2                          | 1.6                           | 2.5                  | 2.6                      | 59.3                      | 11914                 |
| 3x300+150 SM                 | 2.4                          | 1.8                           | 2.5                  | 2.8                      | 65.0                      | 14453                 |
| 3x400+185 SM                 | 2.6                          | 2                             | 3.15                 | 3                        | 73.9                      | 18277                 |

On request, Aluminium Conductor is also available





## Tape Armoured Power Cable NYBY

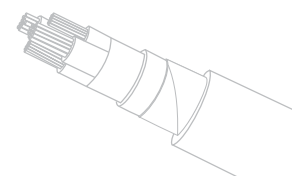
- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:** IEC 60502-1, IEC 60228, VDE 0295, ISIRI 3569-1
- **Construction :**  
CU/PVC/Bd/STA or ATA/PVC  
Conductor: Plain Annealed Copper Wire (class 1,2)  
Insulation Type: P.V.C  
Bedding Material: P.V.C  
Armour material: Galvanized Steel Tape / Aluminium tape  
Sheath Material: PVC
- **Maximum Conductor Temperature:** 70°C
- **Application:**  
For Outdoor And Indoor Installation and Wet Location Laid Direct To The Ground , Where Mechanical Damages Are Expected To Occur.



| No. of Cores & Cross Section | Nominal Insulation Thickness | Armour Tape Thickness | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                    | mm                       | mm                        | kg/km                 |
| 1x35 RM                      | 1.2                          | 0.5                   | 1.5                      | 18.0                      | 588                   |
| 1x50 RM                      | 1.4                          | 0.5                   | 1.6                      | 19.7                      | 745                   |
| 1x70 RM                      | 1.4                          | 0.5                   | 1.6                      | 21.5                      | 970                   |
| 1x95 RM                      | 1.6                          | 0.5                   | 1.7                      | 23.6                      | 1266                  |
| 1x120 RM                     | 1.6                          | 0.5                   | 1.8                      | 25.4                      | 1532                  |
| 1x150 RM                     | 1.8                          | 0.5                   | 1.8                      | 27.0                      | 1828                  |
| 1x185 RM                     | 2                            | 0.5                   | 1.9                      | 29.4                      | 2235                  |
| 1x240 RM                     | 2.2                          | 0.5                   | 2                        | 32.1                      | 2837                  |
| 1x300 RM                     | 2.4                          | 0.5                   | 2.1                      | 34.9                      | 3481                  |
| 1x400 RM                     | 2.6                          | 0.5                   | 2.2                      | 39.2                      | 4402                  |
| 2x1.5 RE                     | 0.8                          | 0.2                   | 1.8                      | 13.4                      | 256                   |
| 2x2.5 RE                     | 0.8                          | 0.2                   | 1.8                      | 14.2                      | 297                   |
| 2x4 RE                       | 1                            | 0.2                   | 1.8                      | 15.9                      | 382                   |
| 2x6 RE                       | 1                            | 0.2                   | 1.8                      | 16.9                      | 451                   |
| 2x10 RE                      | 1                            | 0.2                   | 1.8                      | 18.5                      | 579                   |
| 2x16 RM                      | 1                            | 0.2                   | 1.8                      | 21.4                      | 794                   |
| 2x25 RM                      | 1.2                          | 0.2                   | 1.8                      | 24.0                      | 1074                  |
| 2x35 RM                      | 1.2                          | 0.2                   | 1.8                      | 26.2                      | 1342                  |
| 2x50 RM                      | 1.4                          | 0.2                   | 1.9                      | 29.4                      | 1729                  |
| 2x70 RM                      | 1.4                          | 0.2                   | 2                        | 33.2                      | 2301                  |
| 2x95 RM                      | 1.6                          | 0.2                   | 2.2                      | 37.8                      | 3070                  |
| 2x120 RM                     | 1.6                          | 0.5                   | 2.3                      | 43.0                      | 4149                  |
| 2x150 RM                     | 1.8                          | 0.5                   | 2.5                      | 46.6                      | 4956                  |
| 2x185 RM                     | 2                            | 0.5                   | 2.6                      | 51.6                      | 6080                  |
| 2x240 RM                     | 2.2                          | 0.5                   | 2.8                      | 57.0                      | 7634                  |
| 2x300 RM                     | 2.4                          | 0.5                   | 3                        | 63.0                      | 9383                  |
| 3x1.5 RE                     | 0.8                          | 0.2                   | 1.8                      | 13.8                      | 280                   |
| 3x2.5 RE                     | 0.8                          | 0.2                   | 1.8                      | 14.7                      | 333                   |
| 3x4 RE                       | 1                            | 0.2                   | 1.8                      | 16.6                      | 439                   |
| 3x6 RE                       | 1                            | 0.2                   | 1.8                      | 17.7                      | 528                   |
| 3x10 RE                      | 1                            | 0.2                   | 1.8                      | 19.4                      | 691                   |
| 3x16 RM                      | 1                            | 0.2                   | 1.8                      | 22.5                      | 961                   |
| 3x25 RM                      | 1.2                          | 0.2                   | 1.8                      | 25.3                      | 1328                  |
| 3x35 RM                      | 1.2                          | 0.2                   | 1.8                      | 27.7                      | 1684                  |
| 3x50 SM                      | 1.4                          | 0.2                   | 1.9                      | 29.3                      | 2173                  |
| 3x70 SM                      | 1.4                          | 0.2                   | 2.0                      | 32.4                      | 2821                  |
| 3x95 SM                      | 1.6                          | 0.5                   | 2.2                      | 37.9                      | 4079                  |
| 3x120 SM                     | 1.6                          | 0.5                   | 2.3                      | 40.7                      | 4895                  |
| 3x150 SM                     | 1.8                          | 0.5                   | 2.4                      | 45.1                      | 5995                  |
| 3x185 SM                     | 2                            | 0.5                   | 2.6                      | 49.4                      | 7230                  |
| 3x240 SM                     | 2.2                          | 0.5                   | 2.8                      | 55.0                      | 9116                  |

On request, Aluminium Conductor is also available

NYY N2XY N2XH NYCY N2XCY NYRY NYBY N2XRY  
 N2XBY N2XHRH NYCYR N2XCYR NYKYR N2XKYR

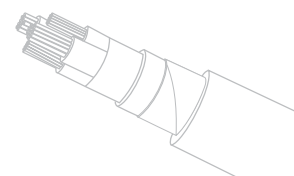




# Tape Armoured Power Cable NYBY

| No. of Cores & Cross Section | Nominal Insulation Thickness | Armour Tape Thickness | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                    | mm                       | mm                        | kg/km                 |
| 4x1.5 RE                     | 0.8                          | 0.2                   | 1.8                      | 14.6                      | 319                   |
| 4x2.5 RE                     | 0.8                          | 0.2                   | 1.8                      | 15.6                      | 384                   |
| 4x4 RE                       | 1                            | 0.2                   | 1.8                      | 17.7                      | 513                   |
| 4x6 RE                       | 1                            | 0.2                   | 1.8                      | 19.8                      | 719                   |
| 4x6 RE                       | 1                            | 0.2                   | 1.8                      | 18.9                      | 656                   |
| 4x10 RM                      | 1                            | 0.2                   | 1.8                      | 22.0                      | 950                   |
| 4x10 RE                      | 1                            | 0.2                   | 1.8                      | 20.9                      | 837                   |
| 4x16 RM                      | 1                            | 0.2                   | 1.8                      | 24.3                      | 1171                  |
| 4x25 RM                      | 1.2                          | 0.2                   | 1.8                      | 27.5                      | 1645                  |
| 4x35 RM                      | 1.2                          | 0.2                   | 1.9                      | 30.3                      | 2108                  |
| 4x35 SM                      | 1.2                          | 0.2                   | 1.8                      | 27.7                      | 1789                  |
| 4x50 RM                      | 1.4                          | 0.2                   | 2.1                      | 34.4                      | 2892                  |
| 4x50 SM                      | 1.4                          | 0.2                   | 2                        | 31.3                      | 2477                  |
| 4x70 RM                      | 1.4                          | 0.5                   | 2.2                      | 39.7                      | 4312                  |
| 4x70 SM                      | 1.4                          | 0.2                   | 2.1                      | 35.3                      | 3363                  |
| 4x95 RM                      | 1.6                          | 0.5                   | 2.4                      | 43.7                      | 5528                  |
| 4x95 SM                      | 1.6                          | 0.5                   | 2.3                      | 41.8                      | 4928                  |
| 4x120 RM                     | 1.6                          | 0.5                   | 2.5                      | 48.7                      | 6818                  |
| 4x120 SM                     | 1.6                          | 0.5                   | 2.4                      | 45.0                      | 5952                  |
| 4x150 RM                     | 1.8                          | 0.5                   | 2.7                      | 52.9                      | 8191                  |
| 4x150 SM                     | 1.8                          | 0.5                   | 2.6                      | 49.6                      | 7264                  |
| 4x185 RM                     | 2.0                          | 0.5                   | 2.9                      | 59.1                      | 10117                 |
| 4x185 SM                     | 2.0                          | 0.5                   | 2.7                      | 54.0                      | 8865                  |
| 4x240 RM                     | 2.2                          | 0.5                   | 3.1                      | 65.0                      | 12727                 |
| 4x240 SM                     | 2.2                          | 0.5                   | 2.9                      | 60.5                      | 11376                 |
| 4x300 RM                     | 2.4                          | 0.5                   | 3.3                      | 71.2                      | 15541                 |
| 4x300 SM                     | 2.4                          | 0.5                   | 3.1                      | 65.9                      | 13958                 |
| 4x400 RM                     | 2.6                          | 0.5                   | 3.6                      | 81.2                      | 19713                 |
| 4x400 SM                     | 2.6                          | 0.5                   | 3.4                      | 74.3                      | 17604                 |
| 5x1.5 RM                     | 0.8                          | 0.2                   | 1.8                      | 15.4                      | 394                   |
| 5x1.5 RE                     | 0.8                          | 0.2                   | 1.8                      | 14.9                      | 342                   |
| 5x2.5 RM                     | 0.8                          | 0.2                   | 1.8                      | 16.6                      | 477                   |
| 5x2.5 RE                     | 0.8                          | 0.2                   | 1.8                      | 16.0                      | 420                   |
| 5x4 RM                       | 1.0                          | 0.2                   | 1.8                      | 18.3                      | 628                   |
| 5x4 RE                       | 1.0                          | 0.2                   | 1.8                      | 17.3                      | 528                   |
| 5x6 RM                       | 1.0                          | 0.2                   | 1.8                      | 20.6                      | 805                   |
| 5x6 RE                       | 1.0                          | 0.2                   | 1.8                      | 18.6                      | 658                   |
| 5x10 RM                      | 1.0                          | 0.2                   | 1.8                      | 23.1                      | 1100                  |
| 5x10 RE                      | 1.0                          | 0.2                   | 1.8                      | 20.8                      | 913                   |
| 5x16 RM                      | 1.0                          | 0.2                   | 1.8                      | 26                        | 1499                  |
| 5x25 RM                      | 1.2                          | 0.2                   | 1.8                      | 30.6                      | 2130                  |
| 5x35 RM                      | 1.2                          | 0.2                   | 1.9                      | 32.4                      | 2610                  |
| 5x50 RM                      | 1.4                          | 0.2                   | 2.1                      | 37.1                      | 3560                  |
| 5x70 RM                      | 1.4                          | 0.5                   | 2.2                      | 43.1                      | 5163                  |
| 5x95 RM                      | 1.6                          | 0.5                   | 2.5                      | 49.5                      | 6822                  |
| 5x120 RM                     | 1.6                          | 0.5                   | 2.6                      | 49.7                      | 8010                  |
| 5x150 RM                     | 1.8                          | 0.5                   | 2.8                      | 59.5                      | 10200                 |
| 5x185 RM                     | 2.0                          | 0.5                   | 3.0                      | 65.5                      | 12345                 |
| 3x25+16 RM                   | 1.2 1                        | 0.2                   | 1.8                      | 27.0                      | 1642                  |
| 3x35+16 RM                   | 1.2 1                        | 0.2                   | 1.8                      | 28.1                      | 1921                  |
| 3x50+25 SM/RM                | 1.4 1.2                      | 0.2                   | 2.0                      | 31.0                      | 2508                  |
| 3x70+35 SM                   | 1.4 1.2                      | 0.2                   | 2.1                      | 34.3                      | 3284                  |
| 3x95+50 SM                   | 1.6 1.4                      | 0.5                   | 2.3                      | 40.1                      | 4740                  |
| 3x120+70 SM                  | 1.6 1.4                      | 0.5                   | 2.3                      | 43.4                      | 5785                  |
| 3x150+70 SM                  | 1.8 1.4                      | 0.5                   | 2.5                      | 47.8                      | 6931                  |
| 3x185+95 SM                  | 2.0 1.6                      | 0.5                   | 2.7                      | 52.6                      | 8474                  |
| 3x240+120 SM                 | 2.2 1.6                      | 0.5                   | 2.9                      | 58.6                      | 10663                 |
| 3x300+150 SM                 | 2.4 1.8                      | 0.5                   | 3.1                      | 64.6                      | 13063                 |

On request, Aluminium Conductor is also available







## Armoured Power Cable N2XRY

- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:** IEC 60502-1, IEC 60228, ISIRI 3569-1

- **Construction :**  
CU/XLPE/Bd/SWA or AWA/PVC  
Conductor: Plain Annealed Copper (class 1,2)  
Insulation Type: XLPE  
Bedding Material: PVC 90  
Armour material: Galvanized Steel Wire/Aluminium Wire  
Sheath Material: PVC 90 - ST2

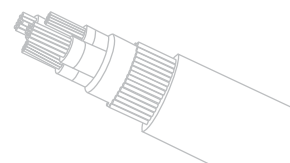
- **Maximum Conductor Temperature:** 90°C

- **Application:**  
For Outdoor Installation In Damp And Wet Location, Laid Direct In The Ground, Where Excessive Mechanical Stresses Are Required In Sloping And Movable Terrains And In Vertical Or Inclined Laying, As Well As In Locations Susceptible To Sliding.

| No. of Cores & Cross Section | Nominal Insulation Thickness | Nominal Inner Layer Thickness | Armour Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-------------------------------|----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                            | mm                   | mm                       | mm                        | kg/km                 |
| 1x35 RM                      | 0.9                          | 1                             | 1.25                 | 1.5                      | 16.3                      | 560                   |
| 1x50 RM                      | 1                            | 1                             | 1.25                 | 1.5                      | 17.6                      | 698                   |
| 1x70 RM                      | 1.1                          | 1                             | 1.25                 | 1.6                      | 19.8                      | 937                   |
| 1x95 RM                      | 1.1                          | 1                             | 1.6                  | 1.7                      | 22.2                      | 1258                  |
| 1x120 RM                     | 1.2                          | 1                             | 1.6                  | 1.7                      | 24.0                      | 1521                  |
| 1x150 RM                     | 1.4                          | 1                             | 1.6                  | 1.8                      | 25.8                      | 1825                  |
| 1x185 RM                     | 1.6                          | 1                             | 1.6                  | 1.9                      | 28.2                      | 2228                  |
| 1x240 RM                     | 1.7                          | 1                             | 1.6                  | 1.9                      | 30.5                      | 2804                  |
| 1x300 RM                     | 1.8                          | 1                             | 2                    | 2.0                      | 33.9                      | 3502                  |
| 1x400 RM                     | 2                            | 1.2                           | 2                    | 2.2                      | 38.4                      | 4446                  |
| 2x1.5 RE                     | 0.7                          | 1                             | 0.9                  | 1.8                      | 13.0                      | 312                   |
| 2x2.5 RE                     | 0.7                          | 1                             | 0.9                  | 1.8                      | 13.8                      | 356                   |
| 2x4 RE                       | 0.7                          | 1                             | 0.9                  | 1.8                      | 14.7                      | 417                   |
| 2x6 RE                       | 0.7                          | 1                             | 1.25                 | 1.8                      | 16.4                      | 573                   |
| 2x10 RE                      | 0.7                          | 1                             | 1.25                 | 1.8                      | 18.0                      | 722                   |
| 2x16 RM                      | 0.7                          | 1                             | 1.25                 | 1.8                      | 20.9                      | 974                   |
| 2x25 RM                      | 0.9                          | 1                             | 1.6                  | 1.8                      | 24.2                      | 1410                  |
| 2x35 RM                      | 0.9                          | 1                             | 1.6                  | 1.8                      | 26.4                      | 1718                  |
| 2x50 RM                      | 1                            | 1                             | 1.6                  | 1.9                      | 29.2                      | 2127                  |
| 2x70 RM                      | 1.1                          | 1                             | 2                    | 2.1                      | 34.4                      | 3037                  |
| 2x95 RM                      | 1.1                          | 1.2                           | 2                    | 2.2                      | 38.0                      | 3808                  |
| 2x120 RM                     | 1.2                          | 1.2                           | 2                    | 2.3                      | 41.8                      | 4575                  |
| 2x150 RM                     | 1.4                          | 1.2                           | 2.5                  | 2.4                      | 46.2                      | 5772                  |
| 2x185 RM                     | 1.6                          | 1.4                           | 2.5                  | 2.6                      | 51.4                      | 7028                  |
| 2x240 RM                     | 1.7                          | 1.4                           | 2.5                  | 2.8                      | 56.4                      | 8647                  |
| 2x300 RM                     | 1.8                          | 1.6                           | 2.5                  | 3.0                      | 62.0                      | 10434                 |
| 3x1.5 RE                     | 0.7                          | 1                             | 0.9                  | 1.8                      | 13.4                      | 336                   |
| 3x2.5 RE                     | 0.7                          | 1                             | 0.9                  | 1.8                      | 14.3                      | 395                   |
| 3x4 RE                       | 0.7                          | 1                             | 0.9                  | 1.8                      | 15.3                      | 471                   |
| 3x6 RE                       | 0.7                          | 1                             | 1.25                 | 1.8                      | 17.1                      | 655                   |
| 3x10 RE                      | 0.7                          | 1                             | 1.25                 | 1.8                      | 18.8                      | 838                   |
| 3x16 RM                      | 0.7                          | 1                             | 1.6                  | 1.8                      | 22.6                      | 1260                  |
| 3x25 RM                      | 0.9                          | 1                             | 1.6                  | 1.8                      | 25.4                      | 1670                  |
| 3x35 RM                      | 0.9                          | 1                             | 1.6                  | 1.8                      | 27.8                      | 2078                  |
| 3x50 SM                      | 1                            | 1                             | 1.6                  | 1.9                      | 29.5                      | 2570                  |
| 3x70 SM                      | 1.1                          | 1.2                           | 2                    | 2                        | 34.3                      | 3592                  |
| 3x95 SM                      | 1.1                          | 1.2                           | 2                    | 2.2                      | 37.7                      | 4463                  |
| 3x120 SM                     | 1.2                          | 1.2                           | 2                    | 2.3                      | 41.0                      | 5338                  |

On request, Aluminium Conductor is also available

NYY N2XY N2XH NYCY N2XCX NYRY NYBY N2XRY  
 N2XBY N2XHRH NYCYRY N2XCYRY NYKYRY N2XKYRY

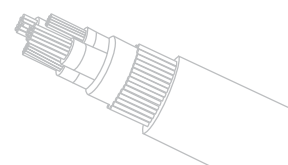


 **Armoured Power Cable N2XRY**



| No. of Cores & Cross Section | Nominal Insulation Thickness | Nominal Inner Layer Thickness | Armour Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-------------------------------|----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                            | mm                   | mm                       | mm                        | kg/km                 |
| 3x150 SM                     | 1.4                          | 1.4                           | 2.5                  | 2.5                      | 46.5                      | 6921                  |
| 3x185 SM                     | 1.6                          | 1.4                           | 2.5                  | 2.6                      | 50.6                      | 8180                  |
| 3x240 SM                     | 1.7                          | 1.6                           | 2.5                  | 2.8                      | 56.0                      | 10185                 |
| 3x300 SM                     | 1.8                          | 1.6                           | 2.5                  | 3                        | 58.0                      | 11979                 |
| 4x1.5 RE                     | 0.7                          | 1                             | 0.9                  | 1.8                      | 14.1                      | 374                   |
| 4x2.5 RE                     | 0.7                          | 1                             | 0.9                  | 1.8                      | 15.1                      | 450                   |
| 4x4 RE                       | 0.7                          | 1                             | 1.25                 | 1.8                      | 17.0                      | 626                   |
| 4x6 RE                       | 0.7                          | 1                             | 1.25                 | 1.8                      | 18.2                      | 751                   |
| 4x10 RE                      | 0.7                          | 1                             | 1.25                 | 1.8                      | 20.1                      | 985                   |
| 4x16 RM                      | 0.7                          | 1                             | 1.6                  | 1.8                      | 24.3                      | 1490                  |
| 4x25 RM                      | 0.9                          | 1                             | 1.6                  | 1.8                      | 27.4                      | 2009                  |
| 4x35 RM                      | 0.9                          | 1                             | 1.6                  | 1.9                      | 30.3                      | 2527                  |
| 4x50 SM                      | 1                            | 1                             | 1.6                  | 1.9                      | 30.5                      | 2846                  |
| 4x70 SM                      | 1.1                          | 1.2                           | 2                    | 2.1                      | 36.0                      | 4068                  |
| 4x95 SM                      | 1.1                          | 1.2                           | 2                    | 2.2                      | 39.6                      | 5204                  |
| 4x120 SM                     | 1.2                          | 1.2                           | 2                    | 2.4                      | 43.5                      | 6349                  |
| 4x150 SM                     | 1.4                          | 1.4                           | 2.5                  | 2.5                      | 48.9                      | 8050                  |
| 4x185 SM                     | 1.6                          | 1.4                           | 2.5                  | 2.7                      | 53.4                      | 9728                  |
| 4x240 SM                     | 1.7                          | 1.6                           | 2.5                  | 2.9                      | 59.5                      | 12294                 |
| 4x300 SM                     | 1.8                          | 1.6                           | 2.5                  | 3.0                      | 64.2                      | 14866                 |
| 4x400 SM                     | 2                            | 1.6                           | 3.15                 | 3.4                      | 74.1                      | 19437                 |
| 5x1.5 RE                     | 0.7                          | 1                             | 0.9                  | 1.8                      | 14.9                      | 423                   |
| 5x2.5 RE                     | 0.7                          | 1                             | 1.25                 | 1.8                      | 16.7                      | 593                   |
| 5x4 RE                       | 0.7                          | 1                             | 1.25                 | 1.8                      | 18.0                      | 718                   |
| 5x6 RE                       | 0.7                          | 1                             | 1.25                 | 1.8                      | 19.3                      | 866                   |
| 5x10 RE                      | 0.7                          | 1                             | 1.6                  | 1.8                      | 22.2                      | 1264                  |
| 5x16 RM                      | 0.7                          | 1                             | 1.6                  | 1.8                      | 26.1                      | 1762                  |
| 5x25 RM                      | 0.9                          | 1                             | 1.6                  | 1.9                      | 29.8                      | 2405                  |
| 5x35 RM                      | 0.9                          | 1                             | 2                    | 2.0                      | 33.8                      | 3257                  |
| 5x50 RM                      | 1                            | 1.2                           | 2                    | 2.2                      | 38.1                      | 4159                  |
| 5x70 RM                      | 1.1                          | 1.2                           | 2                    | 2.4                      | 43.9                      | 5570                  |
| 5x95 RM                      | 1.1                          | 1.4                           | 2.5                  | 2.6                      | 49.7                      | 7585                  |
| 5x120 RM                     | 1.2                          | 1.4                           | 2.5                  | 2.7                      | 54.8                      | 9217                  |
| 5x150 RM                     | 1.4                          | 1.6                           | 2.5                  | 2.9                      | 59.9                      | 11076                 |
| 5x185 RM                     | 1.6                          | 1.6                           | 2.5                  | 3.1                      | 66.2                      | 13465                 |
| 3x25+16 RM                   | 0.9                          | 0.7                           | 1                    | 1.6                      | 26.7                      | 1906                  |
| 3x35+16 RM                   | 0.9                          | 0.7                           | 1                    | 1.6                      | 28.8                      | 2284                  |
| 3x50+25 SM                   | 1                            | 0.9                           | 1                    | 1.6                      | 29.7                      | 2635                  |
| 3x70+35 SM                   | 1.1                          | 0.9                           | 1                    | 2                        | 33.9                      | 3673                  |
| 3x95+50 SM                   | 1.1                          | 1                             | 1.2                  | 2                        | 37.9                      | 4753                  |
| 3x120+70 SM                  | 1.2                          | 1.1                           | 1.2                  | 2                        | 41.2                      | 5801                  |
| 3x150+70 SM                  | 1.4                          | 1.1                           | 1.2                  | 2.5                      | 46.4                      | 7448                  |
| 3x185+95 SM                  | 1.6                          | 1.1                           | 1.4                  | 2.5                      | 51.0                      | 9046                  |
| 3x240+120 SM                 | 1.7                          | 1.2                           | 1.4                  | 2.5                      | 56.4                      | 11263                 |
| 3x300+150 SM                 | 1.8                          | 1.4                           | 1.6                  | 2.5                      | 62.0                      | 13769                 |
| 3x400+185 SM                 | 2                            | 1.6                           | 1.6                  | 2.5                      | 69.6                      | 16681                 |

On request, Aluminium Conductor is also available



## Tape Armoured Power Cable N2XBY

- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:** IEC 60502-1, IEC 60228, VDE 0295, ISIRI 3569-1
- **Construction :**  
 CU/XLPE/Bd/STA or ATA/PVC  
 Conductor: Plain Annealed Copper Wire (class 1,2)  
 Insulation Type: XLPE  
 Bedding Material: P.V.C 90  
 Armour material: Galvanized Steel Tape / Aluminium Tape  
 Sheath Material: P.V.C 90 - ST2
- **Maximum Conductor Temperature:** 90°C

- **Application:**

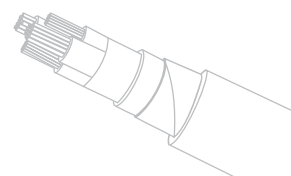
For Outdoor Installation In Damp And Wet Location , Laid Direct In The Ground, Where Excessive Mechanical Stresses Are Required In Sloping And Movable Terrains And In Vertical Or Inclined Laying ,As Well As In Locations Susceptible To Sliding.



| No. of Cores & Cross Section | Nominal Insulation Thickness | Armour Tape Thickness | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                    | mm                       | mm                        | kg/km                 |
| 1x35 RM                      | 0.9                          | 0.5                   | 1.5                      | 17.4                      | 566                   |
| 1x50 RM                      | 1                            | 0.5                   | 1.5                      | 18.7                      | 692                   |
| 1x70 RM                      | 1.1                          | 0.5                   | 1.6                      | 20.9                      | 927                   |
| 1x95 RM                      | 1.1                          | 0.5                   | 1.7                      | 22.6                      | 1198                  |
| 1x120 RM                     | 1.2                          | 0.5                   | 1.7                      | 24.4                      | 1457                  |
| 1x150 RM                     | 1.4                          | 0.5                   | 1.8                      | 26.2                      | 1755                  |
| 1x185 RM                     | 1.6                          | 0.5                   | 1.9                      | 28.6                      | 2149                  |
| 1x240 RM                     | 1.7                          | 0.5                   | 1.9                      | 30.9                      | 2713                  |
| 1x300 RM                     | 1.8                          | 0.5                   | 2                        | 33.5                      | 3327                  |
| 1x400 RM                     | 2                            | 0.5                   | 2.2                      | 38.0                      | 4237                  |
| 2x1.5 RE                     | 0.7                          | 0.2                   | 1.8                      | 13.0                      | 239                   |
| 2x2.5 RE                     | 0.7                          | 0.2                   | 1.8                      | 13.8                      | 279                   |
| 2x4 RE                       | 0.7                          | 0.2                   | 1.8                      | 14.7                      | 331                   |
| 2x6 RE                       | 0.7                          | 0.2                   | 1.8                      | 15.7                      | 396                   |
| 2x10 RE                      | 0.7                          | 0.2                   | 1.8                      | 17.3                      | 518                   |
| 2x16 RM                      | 0.7                          | 0.2                   | 1.8                      | 20.2                      | 723                   |
| 2x25 RM                      | 0.9                          | 0.2                   | 1.8                      | 22.8                      | 990                   |
| 2x35 RM                      | 0.9                          | 0.2                   | 1.8                      | 25.0                      | 1250                  |
| 2x50 RM                      | 1                            | 0.2                   | 1.8                      | 27.6                      | 1584                  |
| 2x70 RM                      | 1.1                          | 0.2                   | 2                        | 32.0                      | 2177                  |
| 2x95 RM                      | 1.1                          | 0.2                   | 2.1                      | 35.6                      | 2846                  |
| 2x120 RM                     | 1.2                          | 0.5                   | 2.3                      | 41.4                      | 3936                  |
| 2x150 RM                     | 1.4                          | 0.5                   | 2.4                      | 44.8                      | 4698                  |
| 2x185 RM                     | 1.6                          | 0.5                   | 2.6                      | 50.0                      | 5807                  |
| 2x240 RM                     | 1.7                          | 0.5                   | 2.7                      | 54.8                      | 7250                  |
| 2x300 RM                     | 1.8                          | 0.5                   | 2.9                      | 60.4                      | 8894                  |
| 3x1.5 RE                     | 0.7                          | 0.2                   | 1.8                      | 13.4                      | 261                   |
| 3x2.5 RE                     | 0.7                          | 0.2                   | 1.8                      | 14.3                      | 312                   |
| 3x4 RE                       | 0.7                          | 0.2                   | 1.8                      | 15.3                      | 379                   |
| 3x6 RE                       | 0.7                          | 0.2                   | 1.8                      | 16.4                      | 464                   |
| 3x10 RE                      | 0.7                          | 0.2                   | 1.8                      | 18.1                      | 621                   |
| 3x16 RM                      | 0.7                          | 0.2                   | 1.8                      | 21.2                      | 877                   |
| 3x25 RM                      | 0.9                          | 0.2                   | 1.8                      | 24.0                      | 1228                  |
| 3x35 RM                      | 0.9                          | 0.2                   | 1.8                      | 26.4                      | 1573                  |
| 3x50 SM                      | 1                            | 0.2                   | 1.8                      | 27.3                      | 1996                  |
| 3x70 SM                      | 1.1                          | 0.2                   | 2.0                      | 31.1                      | 2659                  |
| 3x95 SM                      | 1.1                          | 0.5                   | 2.2                      | 35.7                      | 3803                  |
| 3x120 SM                     | 1.2                          | 0.5                   | 2.3                      | 39.0                      | 4630                  |
| 3x150 SM                     | 1.4                          | 0.5                   | 2.4                      | 43.1                      | 5662                  |
| 3x185 SM                     | 1.6                          | 0.5                   | 2.6                      | 47.6                      | 6871                  |
| 3x240 SM                     | 1.7                          | 0.5                   | 2.8                      | 52.8                      | 8649                  |
| 3x300 SM                     | 1.8                          | 0.5                   | 2.9                      | 54.8                      | 10430                 |

On request, Aluminium Conductor is also available

NYY   N2XY   N2XH   NYCY   N2XCY   NYRY   NYBY   N2XRY  
 N2XBY   N2XHRH   NYCYRY   N2XCYRY   NYKYRY   N2XKYRY



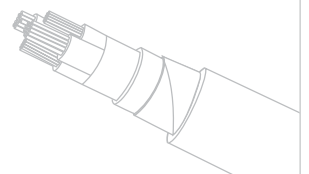
# Tape Armoured Power Cable N2XBY

| No. of Cores & Cross Section | Nominal Insulation Thickness | Armour Tape Thickness | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                    | mm                       | mm                        | kg/km                 |
| 4x1.5 RE                     | 0.7                          | 0.2                   | 1.8                      | 14.1                      | 294                   |
| 4x2.5 RE                     | 0.7                          | 0.2                   | 1.8                      | 15.1                      | 357                   |
| 4x4 RE                       | 0.7                          | 0.2                   | 1.8                      | 16.3                      | 444                   |
| 4x6 RM                       | 0.7                          | 0.2                   | 1.8                      | 18.3                      | 630                   |
| 4x6 RE                       | 0.7                          | 0.2                   | 1.8                      | 17.5                      | 577                   |
| 4x10 RM                      | 0.7                          | 0.2                   | 1.8                      | 20.6                      | 854                   |
| 4x10 RE                      | 0.7                          | 0.2                   | 1.8                      | 19.4                      | 748                   |
| 4x16 RM                      | 0.7                          | 0.2                   | 1.8                      | 22.9                      | 1071                  |
| 4x25 RM                      | 0.9                          | 0.2                   | 1.8                      | 26.0                      | 1517                  |
| 4x35 RM                      | 0.9                          | 0.2                   | 1.9                      | 28.9                      | 1974                  |
| 4x35 SM                      | 0.9                          | 0.2                   | 1.8                      | 26.3                      | 1673                  |
| 4x50 RM                      | 1                            | 0.2                   | 2                        | 32.2                      | 2666                  |
| 4x50 SM                      | 1                            | 0.2                   | 1.9                      | 29.1                      | 2279                  |
| 4x70 RM                      | 1.1                          | 0.5                   | 2.2                      | 39.7                      | 4250                  |
| 4x70 SM                      | 1.1                          | 0.2                   | 2                        | 33.6                      | 3169                  |
| 4x95 RM                      | 1.1                          | 0.5                   | 2.4                      | 43.7                      | 5458                  |
| 4x95 SM                      | 1.1                          | 0.5                   | 2.2                      | 39.2                      | 4604                  |
| 4x120 RM                     | 1.2                          | 0.5                   | 2.5                      | 48.7                      | 6731                  |
| 4x120 SM                     | 1.2                          | 0.5                   | 2.3                      | 42.9                      | 5643                  |
| 4x150 RM                     | 1.4                          | 0.5                   | 2.7                      | 52.9                      | 8079                  |
| 4x150 SM                     | 1.4                          | 0.5                   | 2.5                      | 47.5                      | 6904                  |
| 4x185 RM                     | 1.6                          | 0.5                   | 2.9                      | 59.1                      | 9972                  |
| 4x185 SM                     | 1.6                          | 0.5                   | 2.6                      | 51.8                      | 8439                  |
| 4x240 RM                     | 1.7                          | 0.5                   | 3.1                      | 65.0                      | 12555                 |
| 4x240 SM                     | 1.7                          | 0.5                   | 2.8                      | 57.9                      | 10831                 |
| 4x300 RM                     | 1.8                          | 0.5                   | 3.3                      | 71.2                      | 15337                 |
| 4x300 SM                     | 1.8                          | 0.5                   | 3                        | 62.8                      | 13278                 |
| 4x400 RM                     | 2                            | 0.5                   | 3.6                      | 81.2                      | 19450                 |
| 4x400 SM                     | 2                            | 0.5                   | 3.3                      | 71.2                      | 16793                 |
| 5x1.5 RM                     | 0.7                          | 0.2                   | 1.8                      | 15.5                      | 357                   |
| 5x1.5 RE                     | 0.7                          | 0.2                   | 1.8                      | 14.9                      | 333                   |
| 5x2.5 RM                     | 0.7                          | 0.2                   | 1.8                      | 16.6                      | 477                   |
| 5x2.5 RE                     | 0.7                          | 0.2                   | 1.8                      | 16.0                      | 408                   |
| 5x4 RM                       | 0.7                          | 0.2                   | 1.8                      | 18.1                      | 595                   |
| 5x4 RE                       | 0.7                          | 0.2                   | 1.8                      | 17.3                      | 515                   |
| 5x6 RM                       | 0.7                          | 0.2                   | 1.8                      | 19.6                      | 737                   |
| 5x6 RE                       | 0.7                          | 0.2                   | 1.8                      | 18.6                      | 643                   |
| 5x10 RM                      | 0.7                          | 0.2                   | 1.8                      | 22.1                      | 1010                  |
| 5x10 RE                      | 0.7                          | 0.2                   | 1.8                      | 20.8                      | 894                   |
| 5x16 RM                      | 0.7                          | 0.2                   | 1.8                      | 24.7                      | 1292                  |
| 5x25 RM                      | 0.9                          | 0.2                   | 1.9                      | 28.4                      | 1864                  |
| 5x35 RM                      | 0.9                          | 0.2                   | 2                        | 31.6                      | 2434                  |
| 5x50 RM                      | 1                            | 0.2                   | 2.1                      | 35.7                      | 3196                  |
| 5x70 RM                      | 1.1                          | 0.5                   | 2.4                      | 43.5                      | 4890                  |
| 5x95 RM                      | 1.1                          | 0.5                   | 2.5                      | 48.1                      | 6389                  |
| 5x120 RM                     | 1.2                          | 0.5                   | 2.7                      | 53.4                      | 7898                  |
| 5x150 RM                     | 1.4                          | 0.5                   | 2.8                      | 58.3                      | 9581                  |
| 5x185 RM                     | 1.6                          | 0.5                   | 3.1                      | 64.8                      | 11831                 |
| 3x25+16 RM                   | 0.9 0.7                      | 0.2                   | 1.8                      | 25.3                      | 1424                  |
| 3x35+16 RM                   | 0.9 0.7                      | 0.2                   | 1.9                      | 29.4                      | 1904                  |
| 3x50+25 SM                   | 1 0.9                        | 0.2                   | 1.9                      | 28.5                      | 2093                  |
| 3x70+35 SM                   | 1.1 0.9                      | 0.2                   | 2                        | 32.0                      | 2796                  |
| 3x95+50 SM                   | 1.1 1                        | 0.2                   | 2.1                      | 36.0                      | 3811                  |
| 3x120+70 SM                  | 1.2 1.1                      | 0.5                   | 2.3                      | 41.2                      | 5196                  |
| 3x150+70 SM                  | 1.4 1.1                      | 0.5                   | 2.4                      | 45.4                      | 6387                  |
| 3x185+95 SM                  | 1.6 1.1                      | 0.5                   | 2.6                      | 50.1                      | 7742                  |
| 3x240+120 SM                 | 1.7 1.2                      | 0.5                   | 2.7                      | 55.3                      | 9941                  |
| 3x300+150 SM                 | 1.8 1.4                      | 0.5                   | 2.9                      | 61.0                      | 12286                 |

On request, Aluminium Conductor is also available

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NYY N2XY N2XH NYCY N2XCY NYRY NYBY N2XRY  
N2XBY N2XHRH NYCYRY N2XCYRY NYKYRY N2XKYRY





## Power Cable N2XHRH

● **Rated Voltage:** 0.6/1 KV

● **Applicable Standard:** IEC 60502-1, ISIRI 3569-1

● **Construction :**

Cu/MGT/PET/XLPE/HFSL/SWA/HFSL

Conductor: Plain Annealed copper wire (class 2)

Flame barrier: Mica glass tape

Insulation Type: XLPE

Bedding: Halogen free, Low smoke, Flame retardant – HFSL

Aarmor: Galvanized steel wire armor

Other sheath: Halogen free, Low smoke, Flame retardant – HFSL

● **Technical data:**

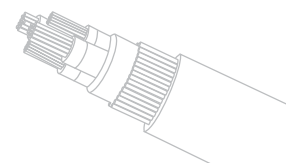
- 1) Temperature: -30°C to + 90°C
- 2) Maximum short circuit temperature: 250°C (5 seconds Max)
- 3) Conductor resistance: As per class 2 of IEC 60228
- 4) Test voltage: 35 kv rms or 8.4 kvdc for 5 minutes
- 5) Flame retardant test: Acc. IEC 60332-1
- 6) Flame propagation test: Acc. IEC 60332-3
- 7) Fire resistance test: Acc. IEC 60331-21
- 8) Smoke density test: Acc. IEC 61034
- 9) Halogen content test: Acc. IEC 60754-2



● **Application:** These cables can be used for electricity supply and control in public network and industrial plants or public buildings, where people are potentially endangered in case of fire and where, for a defined period of time, the continuity of control and energy supply is of vital necessity.

| No. of Cores & Cross Section | No. strand x diameter | Nominal Insulation thickness | Nominal sheath thickness | Overall Diameter (Approx. ) | Total Weight (Approx. ) |
|------------------------------|-----------------------|------------------------------|--------------------------|-----------------------------|-------------------------|
| mm <sup>2</sup>              | No. x mm              | mm                           | mm                       | mm                          | kg/km                   |
| 2x1.5 RN                     | 7x0.53                | 0.7                          | 1.8                      | 12.4                        | 170                     |
| 2x2.5 RM                     | 7x0.67                | 0.7                          | 1.8                      | 13.2                        | 230                     |
| 2x4 RM                       | 7x0.85                | 0.7                          | 1.8                      | 14.4                        | 282                     |
| 2x5 RM                       | 7x1.04                | 0.7                          | 1.8                      | 15.4                        | 344                     |
| 3x1.5 RM                     | 7x0.53                | 0.7                          | 1.8                      | 13.0                        | 222                     |
| 3x2.5 RM                     | 7x0.67                | 0.7                          | 1.8                      | 13.9                        | 264                     |
| 3x4 RM                       | 7x0.85                | 0.7                          | 1.8                      | 15.2                        | 332                     |
| 3x6 RM                       | 7x1.04                | 0.7                          | 1.8                      | 16.4                        | 404                     |
| 4x1.5 RM                     | 7x0.53                | 0.7                          | 1.8                      | 14.0                        | 242                     |
| 4x2.5 RM                     | 7x0.67                | 0.7                          | 1.8                      | 15.0                        | 288                     |
| 4x4 RM                       | 7x0.85                | 0.7                          | 1.8                      | 16.5                        | 378                     |
| 4x6 RM                       | 7x1.04                | 0.7                          | 1.8                      | 17.7                        | 472                     |
| 5x1.5 RM                     | 7x0.53                | 0.7                          | 1.8                      | 15.2                        | 286                     |
| 5x2.5 RM                     | 7x0.67                | 0.7                          | 1.8                      | 16.3                        | 344                     |
| 5x4 RM                       | 7x0.85                | 0.7                          | 1.8                      | 18.0                        | 424                     |
| 5x6 RM                       | 7x1.04                | 0.7                          | 1.8                      | 19.4                        | 555                     |
| 7x1.5 RM                     | 7x0.53                | 0.7                          | 1.8                      | 16.0                        | 300                     |
| 10x1.5 RM                    | 7x0.53                | 0.7                          | 1.8                      | 20.0                        | 412                     |
| 12x1.5 RM                    | 7x0.53                | 0.7                          | 1.8                      | 20.6                        | 450                     |
| 19x1.5 RM                    | 7x0.53                | 0.7                          | 1.8                      | 24.3                        | 605                     |
| 27x1.5 RM                    | 7x0.53                | 0.7                          | 1.8                      | 28.8                        | 796                     |
| 37x1.5 RM                    | 7x0.53                | 0.7                          | 1.8                      | 32.2                        | 1010                    |
| 48x1.5 RM                    | 7x0.53                | 0.7                          | 1.8                      | 37.0                        | 1250                    |
| 7x2.5 RM                     | 7x0.67                | 0.7                          | 1.8                      | 17.2                        | 382                     |
| 10x2.5 RM                    | 7x0.67                | 0.7                          | 1.8                      | 21.6                        | 514                     |
| 12x2.5 RM                    | 7x0.67                | 0.7                          | 1.8                      | 22.4                        | 600                     |
| 19x2.5 RM                    | 7x0.67                | 0.7                          | 1.8                      | 26.4                        | 810                     |
| 27x2.5 RM                    | 7x0.67                | 0.7                          | 1.8                      | 31.5                        | 1080                    |
| 37x2.5 RM                    | 7x0.67                | 0.7                          | 1.8                      | 35.4                        | 1370                    |
| 48x2.5 RM                    | 7x0.67                | 0.7                          | 1.8                      | 40.3                        | 1746                    |

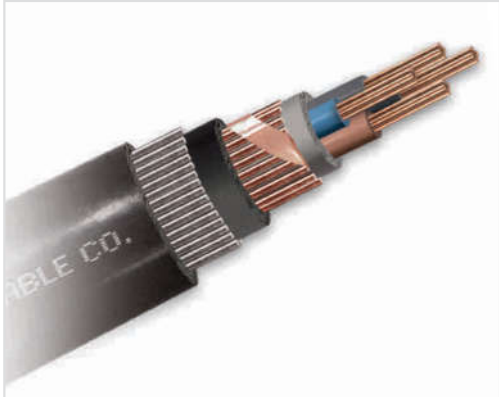
NYY N2XY N2XH NYCY N2XCY NYRY NYBY N2XRY  
 N2XBY N2XHRH NYCYRY N2XCYRY NYKYRY N2XKYRY



 **Concentric - Armoured Power Cable NYCYRY**

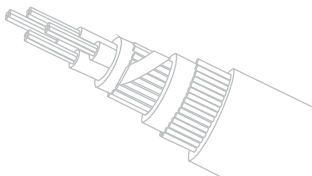
- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:** IEC 60502-1, IEC 60228, ISIRI 3569-1
- **Construction :**
  - CU/PVC/CWS/Bd/SWA or AWA/PVC
  - Conductor: Plain Annealed Copper Wire (class 1,2)
  - Insulation Type: P.V.C / A
  - Bedding Material: P.V.C
  - Concentric material: Copper Wire + Copper Tape
  - Separation Sheath Material: PVC 90-ST2
  - Armour Material: Galvanized Steel Wire/Aluminium Wire
  - Sheath Material: P.V.C - ST1
- **Maximum Conductor Temperature:** 70°C
- **Application:**

Predominantly Designed For Installation In Industrial And Control Equipment, In Power House And Where Ever A High Level Of Both Electrical And Mechanical Protection Is Required.



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NYN    N2XY    N2XH    NYCY    N2XCX    NYRY    NYBY    N2XRY  
N2XBY    N2XHRH    NYCYRY    N2XCYRY    NYKYRY    N2XKYRY



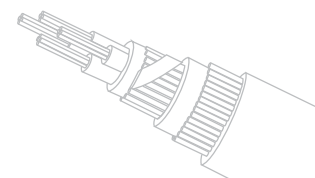


## Concentric - Armoured Power Cable NYCYRY

| No. of Cores & Cross Section | Nominal Insulation Thickness | Nominal Inner Layer Thickness | Nominal Concentric Wire Diameter | Nominal Separation Sheath Thickness | Armour Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-------------------------------|----------------------------------|-------------------------------------|----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                            | mm                               | mm                                  | mm                   | mm                       | mm                        | kg/km                 |
| 1x16 RM/16                   | 1                            | 0                             | 0.8                              | 1.2                                 | 1.25                 | 1.5                      | 16.7                      | 573                   |
| 1x25 RM/25                   | 1.2                          | 0                             | 0.9                              | 1.2                                 | 1.25                 | 1.5                      | 18.2                      | 777                   |
| 1x35 RM/35                   | 1.2                          | 0                             | 0.9                              | 1.2                                 | 1.25                 | 1.6                      | 19.5                      | 993                   |
| 1x50 RM/50                   | 1.4                          | 0                             | 0.9                              | 1.2                                 | 1.6                  | 1.8                      | 22.1                      | 1306                  |
| 2x1.5 RE/1.5                 | 0.8                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 17.7                      | 587                   |
| 2x2.5 RE/2.5                 | 0.8                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 18.5                      | 656                   |
| 2x4 RE/4                     | 1                            | 1                             | 0.8                              | 1.2                                 | 1.25                 | 1.8                      | 20.8                      | 820                   |
| 2x6 RE/6                     | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 22.5                      | 1045                  |
| 2x10 RE/10                   | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 24.1                      | 1257                  |
| 2x16 RM/16                   | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 27.0                      | 1606                  |
| 2x25 RM/25                   | 1.2                          | 1                             | 0.9                              | 1.2                                 | 1.6                  | 1.9                      | 30.0                      | 2078                  |
| 2x35 RM/35                   | 1.2                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.0                      | 33.2                      | 2713                  |
| 2x50 RM/50                   | 1.4                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.1                      | 36.4                      | 3330                  |
| 3x1.5 RE/1.5                 | 0.8                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 18.1                      | 620                   |
| 3x2.5 RE/2.5                 | 0.8                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 19.0                      | 701                   |
| 3x4 RE/4                     | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 22.2                      | 999                   |
| 3x6 RE/6                     | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 23.3                      | 1138                  |
| 3x10 RE/10                   | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 25.0                      | 1403                  |
| 3x16 RE/16                   | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.9                      | 28.3                      | 1835                  |
| 3x25 RM/16                   | 1.2                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 2.0                      | 31.3                      | 2331                  |
| 3x35 RM/35                   | 1.2                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.1                      | 34.9                      | 2962                  |
| 3x50 RM/50                   | 1.4                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.1                      | 34.9                      | 3450                  |
| 4x1.5 RE/1.5                 | 0.8                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 18.9                      | 679                   |
| 4x2.5 RE/2.5                 | 0.8                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 19.9                      | 782                   |
| 4x4 RE/4                     | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 23.3                      | 1105                  |
| 4x6 RE/6                     | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 24.5                      | 1282                  |
| 4x10 RE/10                   | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 26.5                      | 1581                  |
| 4x16 RM/16                   | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.9                      | 30.1                      | 2094                  |
| 4x25 RM/16                   | 1.2                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.1                      | 34.7                      | 2994                  |
| 4x35 RM/35                   | 1.2                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.2                      | 37.6                      | 3668                  |
| 4x50 RM/50                   | 1.4                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.2                      | 38.3                      | 4148                  |
| 5x1.5 RE/1.5                 | 0.8                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 19.8                      | 743                   |
| 5x2.5 RE/2.5                 | 0.8                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 20.8                      | 854                   |
| 5x4 RE/4                     | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 24.5                      | 1234                  |
| 5x6 RE/6                     | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 25.9                      | 1423                  |
| 5x10 RE/10                   | 1                            | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.9                      | 28.2                      | 1791                  |
| 5x16 RM/16                   | 1                            | 1                             | 0.8                              | 1.2                                 | 2                    | 2.0                      | 33.1                      | 2599                  |
| 5x25 RM/16                   | 1.2                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.1                      | 37.0                      | 3432                  |
| 5x35 RM/35                   | 1.2                          | 1.2                           | 0.9                              | 1.2                                 | 2                    | 2.3                      | 40.8                      | 4290                  |
| 5x50 RM/50                   | 1.4                          | 1.2                           | 0.9                              | 1.28                                | 2.5                  | 2.4                      | 46.2                      | 5724                  |
| 3x25+16 RM/16                | 1.2 1                        | 1                             | 0.8                              | 1.2                                 | 2                    | 2.0                      | 33.5                      | 2749                  |
| 3x35+16 RM/16                | 1.2 1                        | 1                             | 0.8                              | 1.2                                 | 2                    | 2.1                      | 35.7                      | 3192                  |
| 3x50+25 SM/25                | 1.4 1.2                      | 1                             | 0.9                              | 1.2                                 | 2                    | 1.8                      | 36.8                      | 3627                  |
| 3x70+35 SM/35                | 1.4 1.2                      | 1.2                           | 0.9                              | 1.2                                 | 2                    | 1.89                     | 40.2                      | 4628                  |
| 3x95+50 SM/50                | 1.6 1.4                      | 1.2                           | 0.9                              | 1.29                                | 2.5                  | 2.05                     | 46.0                      | 6321                  |

On request, Aluminium Conductor is also available

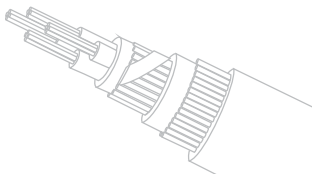
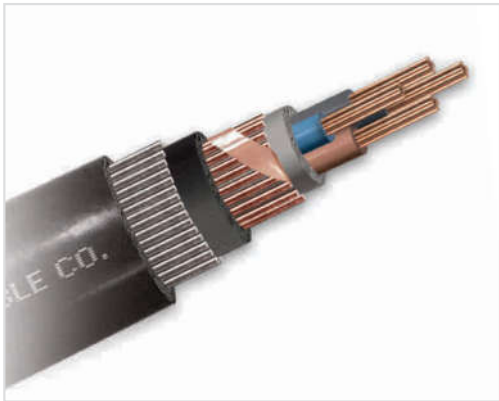
NYY   N2XY   N2XH   NYCY   N2XCY   NYRY   NYBY   N2XRY  
 N2XBY   N2XHRH   **NYCYRY**   N2XCYRY   NYKYRY   N2XKYRY



 **Concentric - Armoured Power Cable N2XCYRY**

- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:** IEC 60502-1, IEC 60228, ISIRI 3569-1
- **Construction :**
  - CU/XLPE/Bd/CWS/Bd/SWA or AWA/PVC
  - Conductor: Plain Annealed Copper Wire (class 1,2)
  - Insulation Type: XLPE
  - Bedding Material: PVC
  - Concentric material: Copper Wire + Copper Tape
  - Separation Sheath Material: PVC 90-ST2
  - Armour Material: Galvanized Steel Wire/Aluminium Wire
  - Sheath Material: PVC 90 - ST2
- **Maximum Conductor Temperature:** 90°C
- **Application:**

For Outdoor Installation In Damp And Wet Location, Laid Direct In The Ground, Where Excessive Mechanical Stresses Are Required In Sloping And Movable Terrains And In Vertical Or Inclined Laying, As Well As In Locations Susceptible To Sliding.

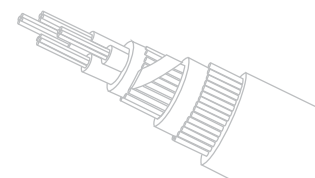


## Concentric - Armoured Power Cable N2XCYRY

| No. of Cores & Cross Section | Nominal Insulation Thickness | Nominal Inner Layer Thickness | Nominal Concentric Wire Diameter | Nominal Separation Sheath Thickness | Armour Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|-------------------------------|----------------------------------|-------------------------------------|----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm                            | mm                               | mm                                  | mm                   | mm                       | mm                        | kg/km                 |
| 1x16 RM/16                   | 0.7                          | 0                             | 0.8                              | 1.2                                 | 1.25                 | 1.5                      | 16.1                      | 552                   |
| 1x25 RM/25                   | 0.9                          | 0                             | 0.9                              | 1.2                                 | 1.25                 | 1.5                      | 17.6                      | 751                   |
| 1x35 RM/35                   | 0.9                          | 0                             | 0.9                              | 1.2                                 | 1.25                 | 1.5                      | 18.7                      | 957                   |
| 1x50 RM/50                   | 1                            | 0                             | 0.9                              | 1.2                                 | 1.6                  | 1.6                      | 20.9                      | 1251                  |
| 2x1.5 RE/1.5                 | 0.7                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 17.3                      | 564                   |
| 2x2.5 RE/2.5                 | 0.7                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 18.1                      | 633                   |
| 2x4 RE/4                     | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.25                 | 1.8                      | 19.6                      | 746                   |
| 2x6 RE/6                     | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 21.3                      | 966                   |
| 2x10 RE/10                   | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 22.9                      | 1173                  |
| 2x16 RM/16                   | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 25.8                      | 1515                  |
| 2x25 RM/25                   | 0.9                          | 1                             | 0.9                              | 1.2                                 | 1.6                  | 1.9                      | 28.8                      | 1963                  |
| 2x35 RM/35                   | 0.9                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.0                      | 32.0                      | 2591                  |
| 2x50 RM/50                   | 1                            | 1                             | 0.9                              | 1.2                                 | 2                    | 2.1                      | 34.8                      | 3147                  |
| 3x1.5 RE/1.5                 | 0.7                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 17.7                      | 598                   |
| 3x2.5 RE/2.5                 | 0.7                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 18.6                      | 678                   |
| 3x4 RE/4                     | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 20.9                      | 917                   |
| 3x6 RE/6                     | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 22.0                      | 1053                  |
| 3x10 RE/10                   | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 23.7                      | 1297                  |
| 3x16 RM/16                   | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 26.8                      | 1707                  |
| 3x25 RM/16                   | 0.9                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.9                      | 29.8                      | 2193                  |
| 3x35 RM/35                   | 0.9                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.0                      | 33.4                      | 3002                  |
| 3x50 RM/50                   | 1                            | 1                             | 0.9                              | 1.2                                 | 2                    | 2.0                      | 33.0                      | 3234                  |
| 4x1.5 RE/1.5                 | 0.7                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 18.4                      | 651                   |
| 4x2.5 RE/2.5                 | 0.7                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 19.4                      | 744                   |
| 4x4 RE/4                     | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 21.9                      | 1017                  |
| 4x6 RE/6                     | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 23.1                      | 1174                  |
| 4x10 RE/10                   | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 25.0                      | 1476                  |
| 4x16 RM/16                   | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.9                      | 28.7                      | 1969                  |
| 4x25 RM/16                   | 0.9                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.0                      | 33.0                      | 2832                  |
| 4x35 RM/35                   | 0.9                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.1                      | 35.9                      | 3496                  |
| 4x50 RM/35                   | 1                            | 1                             | 0.9                              | 1.2                                 | 2                    | 2.1                      | 36.1                      | 3871                  |
| 5x1.5 RE/1.5                 | 0.7                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 19.2                      | 710                   |
| 5x2.5 RE/2.5                 | 0.7                          | 1                             | 0.5                              | 1.2                                 | 1.25                 | 1.8                      | 20.3                      | 825                   |
| 5x4 RE/4                     | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 22.9                      | 1118                  |
| 5x6 RE/6                     | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 24.2                      | 1296                  |
| 5x10 RE/10                   | 0.7                          | 1                             | 0.8                              | 1.2                                 | 1.6                  | 1.8                      | 26.4                      | 1649                  |
| 5x16 RM/16                   | 0.7                          | 1                             | 0.8                              | 1.2                                 | 2                    | 2.0                      | 31.5                      | 2453                  |
| 5x25 RM/16                   | 0.9                          | 1                             | 0.9                              | 1.2                                 | 2                    | 2.1                      | 35.4                      | 3248                  |
| 5x35 RM/35                   | 0.9                          | 1.2                           | 0.9                              | 1.2                                 | 2                    | 2.2                      | 39.0                      | 4074                  |
| 5x50 RM/50                   | 1                            | 1.2                           | 0.9                              | 1.23                                | 2.5                  | 2.4                      | 43.9                      | 5408                  |
| 3x25+16 RM/16                | 0.9 0.7                      | 1                             | 0.8                              | 1.2                                 | 2                    | 2.0                      | 32.1                      | 2613                  |
| 3x35+16 RM/16                | 0.9 0.7                      | 1                             | 0.8                              | 1.2                                 | 2                    | 2.1                      | 34.2                      | 3019                  |
| 3x50+25 SM/25                | 1 0.9                        | 1                             | 0.9                              | 1.2                                 | 2                    | 1.8                      | 34.9                      | 3421                  |
| 3x70+35 SM/35                | 1.1 0.9                      | 1.2                           | 0.9                              | 1.2                                 | 2                    | 1.9                      | 38.8                      | 4417                  |
| 3x95+50 SM/50                | 1.1 1                        | 1.2                           | 0.9                              | 1.24                                | 2.5                  | 2                        | 43.6                      | 5942                  |

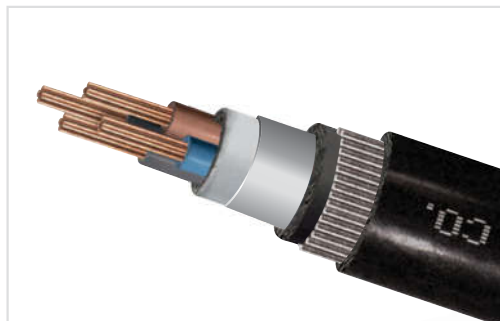
On request, Aluminium Conductor is also available

NYY   N2XY   N2XH   NYCY   N2XCY   NYRY   NYBY   N2XRY  
 N2XBY   N2XHRH   NYCYRY   **N2XCYRY**   NYKYRY   N2XKYRY



## Armoured Lead Sheathed Power Cable NYKYRY

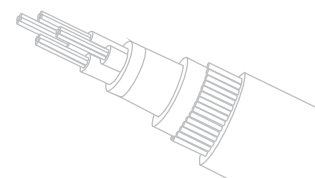
- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:**  
IEC 60502-1, IEC 60228, VDE 0295, ISIRI 3569-1
- **Construction :**  
CU/PVC/PVC/LC/PVC/SWA or AWA/PVC  
Conductor: Plain Annealed Copper Wire  
Insulation Type: P.V.C / A  
Bedding Material: P.V.C  
Metal Sheath: Lead  
Bedding Material: P.V.C  
Armour material: Galvanized Steel Wire or Aluminium Wire  
Sheath Material: PVC - ST1



- **Maximum Conductor Temperature:** 70°C
- **Application:** For Outdoor & Indoor Installation in Oil ,Gas and Petrochemical industries & Wet Location  
Laid Direct To The Ground , Where Mechanical Damages Are Expected To Occur.

| No. of Cores & Cross Section | Nominal Insulation Thickness | Lead Thickness | Armour Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|----------------|----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm             | mm                   | mm                       | mm                        | kg/km                 |
| 1x25 RM                      | 1.2                          | 1.2            | 1.6                  | 1.8                      | 22.7                      | 1259                  |
| 1x35 RM                      | 1.2                          | 1.2            | 1.6                  | 1.8                      | 23.8                      | 1430                  |
| 1x50 RM                      | 1.4                          | 1.2            | 1.6                  | 1.8                      | 25.3                      | 1664                  |
| 1x70 RM                      | 1.4                          | 1.2            | 1.6                  | 1.8                      | 27.1                      | 1987                  |
| 1x95 RM                      | 1.6                          | 1.2            | 1.6                  | 1.9                      | 29.2                      | 2390                  |
| 1x120 RM                     | 1.6                          | 1.2            | 1.6                  | 1.9                      | 30.8                      | 2734                  |
| 1x150 RM                     | 1.8                          | 1.3            | 2                    | 2.1                      | 34.6                      | 3384                  |
| 1x185 RM                     | 2                            | 1.4            | 2                    | 2.1                      | 37                        | 4018                  |
| 1x240 RM                     | 2.2                          | 1.4            | 2                    | 2.2                      | 39.7                      | 4796                  |
| 1x300 RM                     | 2.4                          | 1.5            | 2                    | 2.3                      | 43.1                      | 5788                  |
| 1x400 RM                     | 2.6                          | 1.6            | 2.5                  | 2.6                      | 49.6                      | 7393                  |
| 2x1.5 RE                     | 0.8                          | 1.2            | 1.25                 | 1.8                      | 19                        | 1037                  |
| 2x2.5 RE                     | 0.8                          | 1.2            | 1.25                 | 1.8                      | 19.8                      | 1135                  |
| 2x4 RE                       | 1                            | 1.2            | 1.6                  | 1.8                      | 22.9                      | 1514                  |
| 2x6 RE                       | 1                            | 1.2            | 1.6                  | 1.8                      | 23.9                      | 1666                  |
| 2x10 RE                      | 1                            | 1.2            | 1.6                  | 1.8                      | 25.5                      | 1925                  |
| 2x16 RM                      | 1                            | 1.2            | 1.6                  | 1.9                      | 28.6                      | 2392                  |
| 2x25 RM                      | 1.2                          | 1.3            | 1.6                  | 2                        | 31.6                      | 2987                  |
| 2x35 RM                      | 1.2                          | 1.3            | 2                    | 2.1                      | 35.6                      | 3814                  |
| 2x50 RM                      | 1.4                          | 1.4            | 2                    | 2.2                      | 39                        | 4626                  |
| 2x70 RM                      | 1.4                          | 1.5            | 2                    | 2.4                      | 43.6                      | 5820                  |
| 2x95 RM                      | 1.6                          | 1.6            | 2.5                  | 2.6                      | 50                        | 7701                  |
| 2x120 RM                     | 1.6                          | 1.7            | 2.5                  | 2.7                      | 53.6                      | 8967                  |
| 2x150 RM                     | 1.8                          | 1.9            | 2.5                  | 2.8                      | 57.8                      | 10606                 |
| 2x185 RM                     | 2                            | 2              | 2.5                  | 3                        | 62.8                      | 12549                 |
| 2x240 RM                     | 2.2                          | 2.1            | 2.5                  | 3.2                      | 68.4                      | 15075                 |
| 2x300 RM                     | 2.4                          | 2.3            | 3.15                 | 3.5                      | 77.6                      | 19356                 |

On request, Aluminium Conductor is also available



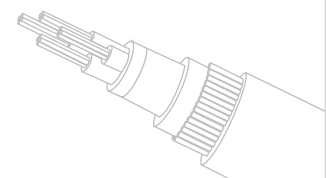


## Armoured Lead Sheathed Power Cable NYKYRY

| No. of Cores & Cross Section | Nominal Insulation Thickness | Lead Thickness | Armour Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|----------------|----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm             | mm                   | mm                       | mm                        | kg/km                 |
| 3x1.5 RE                     | 0.8                          | 1.2            | 1.25                 | 1.8                      | 19.5                      | 1098                  |
| 3x2.5 RE                     | 0.8                          | 1.2            | 1.25                 | 1.8                      | 20.3                      | 1205                  |
| 3x4 RE                       | 1                            | 1.2            | 1.6                  | 1.8                      | 23.6                      | 1624                  |
| 3x6 RE                       | 1                            | 1.2            | 1.6                  | 1.8                      | 25.2                      | 1863                  |
| 3x10 RE                      | 1                            | 1.2            | 1.6                  | 1.8                      | 26.9                      | 2188                  |
| 3x16 RM                      | 1                            | 1.2            | 1.6                  | 1.9                      | 29.7                      | 2671                  |
| 3x25 RM                      | 1.2                          | 1.3            | 2                    | 2.1                      | 34.7                      | 3736                  |
| 3x35 RM                      | 1.2                          | 1.4            | 2                    | 2.2                      | 37.5                      | 4455                  |
| 3x50 SM                      | 1.4                          | 1.5            | 2                    | 2.3                      | 41.1                      | 5986                  |
| 3x70 SM                      | 1.4                          | 1.6            | 2.5                  | 2.5                      | 48                        | 8157                  |
| 3x95 SM                      | 1.6                          | 1.7            | 2.5                  | 2.7                      | 52.7                      | 9829                  |
| 3x120 SM                     | 1.6                          | 1.8            | 2.5                  | 2.8                      | 56.6                      | 11530                 |
| 3x150 SM                     | 1.8                          | 1.9            | 2.5                  | 2.9                      | 60.8                      | 13546                 |
| 3x185 SM                     | 2                            | 2.1            | 2.5                  | 3.1                      | 66.4                      | 16716                 |
| 3x240 SM                     | 2.2                          | 2.3            | 3.15                 | 3.4                      | 75.8                      | 21492                 |
| 3x300 SM                     | 2.4                          | 2.4            | 3.15                 | 3.6                      | 82                        | 25756                 |
| 3x25+16 RM                   | 1.2 1                        | 1.3            | 2                    | 2.1                      | 36.1                      | 3935                  |
| 3x35+16 RM                   | 1.2 1                        | 1.4            | 2                    | 2.2                      | 38.5                      | 4568                  |
| 3x50+25 SM                   | 1.4 1.2                      | 1.4            | 2                    | 2.2                      | 40                        | 5072                  |
| 3x70+35 SM                   | 1.4 1.2                      | 1.5            | 2                    | 2.4                      | 43.8                      | 6307                  |
| 3x95+50 SM                   | 1.6 1.4                      | 1.7            | 2.5                  | 2.6                      | 50.9                      | 8598                  |
| 3x120+70 SM                  | 1.6 1.4                      | 1.7            | 2.5                  | 2.7                      | 53.7                      | 9898                  |
| 3x150+70 SM                  | 1.8 1.4                      | 1.9            | 2.5                  | 2.9                      | 58.8                      | 11724                 |
| 3x185+95 SM                  | 2 1.6                        | 2              | 2.5                  | 3                        | 63.1                      | 13860                 |
| 3x240+120 SM                 | 2.2 1.6                      | 2.2            | 2.5                  | 3.2                      | 69.9                      | 17167                 |
| 3x300+150 SM                 | 2.4 1.8                      | 2.3            | 3.15                 | 3.5                      | 78.6                      | 21622                 |
| 3x400+185 SM                 | 2.6 2                        | 2.5            | 3.15                 | 3.8                      | 86.7                      | 26341                 |
| 4x1.5 RE                     | 0.8                          | 1.2            | 1.25                 | 1.8                      | 20.3                      | 1193                  |
| 4x2.5 RE                     | 0.8                          | 1.2            | 1.6                  | 1.8                      | 22.6                      | 1506                  |
| 4x4 RE                       | 1                            | 1.2            | 1.6                  | 1.8                      | 24.7                      | 1785                  |
| 4x6 RE                       | 1                            | 1.2            | 1.6                  | 1.8                      | 25.9                      | 2009                  |
| 4x10 RE                      | 1                            | 1.2            | 1.6                  | 1.9                      | 28.1                      | 2398                  |
| 4x16 RM                      | 1                            | 1.3            | 1.6                  | 2                        | 31.9                      | 3151                  |
| 4x25 RM                      | 1.2                          | 1.4            | 2                    | 2.2                      | 37.3                      | 4394                  |
| 4x35 RM                      | 1.2                          | 1.4            | 2                    | 2.2                      | 39.9                      | 5160                  |
| 4x50 SM                      | 1.4                          | 1.5            | 2                    | 2.3                      | 41.1                      | 5493                  |
| 4x70 SM                      | 1.4                          | 1.6            | 2.5                  | 2.5                      | 47.5                      | 7472                  |
| 4x95 SM                      | 1.6                          | 1.7            | 2.5                  | 2.6                      | 52.2                      | 9248                  |
| 4x120 SM                     | 1.6                          | 1.8            | 2.5                  | 2.8                      | 55.8                      | 10796                 |
| 4x150 SM                     | 1.8                          | 1.9            | 2.5                  | 2.9                      | 60.4                      | 12726                 |
| 4x185 SM                     | 2                            | 2.1            | 2.5                  | 3.1                      | 65.4                      | 15214                 |
| 4x240 SM                     | 2.2                          | 2.2            | 3.15                 | 3.4                      | 74.9                      | 19859                 |
| 4x300 SM                     | 2.4                          | 2.4            | 3.15                 | 3.6                      | 80.7                      | 23649                 |
| 4x400 SM                     | 2.6                          | 2.6            | 3.15                 | 3.9                      | 89.9                      | 29164                 |
| 5x1.5 RE                     | 0.8                          | 1.2            | 1.6                  | 1.8                      | 22.4                      | 1453                  |
| 5x2.5 RE                     | 0.8                          | 1.2            | 1.6                  | 1.8                      | 23.5                      | 1619                  |
| 5x4 RE                       | 1                            | 1.2            | 1.6                  | 1.8                      | 25.9                      | 1974                  |
| 5x6 RE                       | 1                            | 1.2            | 1.6                  | 1.8                      | 27.3                      | 2222                  |
| 5x10 RE                      | 1                            | 1.2            | 1.6                  | 1.9                      | 29.6                      | 2680                  |
| 5x16 RM                      | 1                            | 1.3            | 2                    | 2.1                      | 35.7                      | 3909                  |
| 5x25 RM                      | 1.2                          | 1.4            | 2                    | 2.2                      | 39.6                      | 4975                  |
| 5x35 RM                      | 1.2                          | 1.5            | 2                    | 2.4                      | 43.6                      | 6153                  |
| 5x50 RM                      | 1.4                          | 1.7            | 2.5                  | 2.6                      | 50.4                      | 8309                  |
| 5x70 RM                      | 1.4                          | 1.8            | 2.5                  | 2.8                      | 55.9                      | 10474                 |
| 5x95 RM                      | 1.6                          | 2              | 2.5                  | 3                        | 62.2                      | 13308                 |
| 5x120 RM                     | 1.6                          | 2.1            | 2.5                  | 3.1                      | 66.9                      | 15676                 |
| 5x150 RM                     | 1.8                          | 2.2            | 3.15                 | 3.4                      | 75.1                      | 19624                 |
| 5x185 RM                     | 2                            | 2.4            | 3.15                 | 3.6                      | 81.8                      | 23487                 |

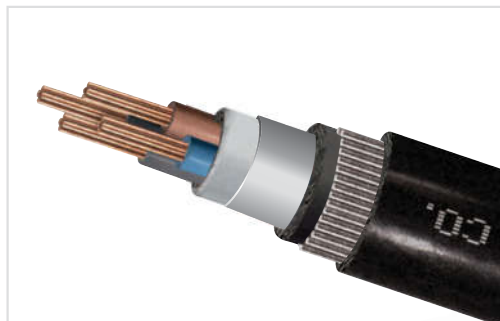
On request, Aluminium Conductor is also available

NYY   N2XY   N2XH   NYCY   N2XCY   NYRY   NYBY   N2XRY  
 N2XBY   N2XHRH   NYCRY   N2XCRY   NYKYRY   N2XKYRY



## Armoured Lead Sheathed Power Cable N2XKYRY

- **Rated Voltage:** 0.6/1 KV
- **Applicable Standard:**  
IEC 60502-1, IEC 60228, VDE 0295, ISIRI 3569-1
- **Construction :**  
CU/XLPE/PVC/LC/PVC/SWA or AWA/PVC  
Conductor: Plain Annealed Copper Wire  
Insulation Type: XLPE  
Bedding Material: P.V.C  
Metal Sheath: Lead  
Bedding Material: P.V.C  
Armour material: Galvanized Steel Wire or Aluminium Wire  
Sheath Material: PVC - ST2



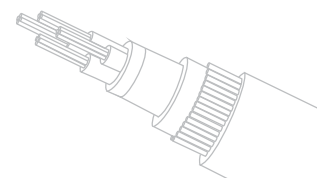
- **Maximum Conductor Temperature:** 90°C

### Application:

For Outdoor & Indoor Installation in Oil ,Gas and Petrochemical industries & Wet Location  
Laid Direct To The Ground , Where Mechanical Damages Are Expected To Occur.

| No. of Cores & Cross Section | Nominal Insulation Thickness | Lead Thickness | Armour Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|----------------|----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm             | mm                   | mm                       | mm                        | kg/km                 |
| 1x25 RM                      | 0.9                          | 1.2            | 1.25                 | 1.8                      | 20.8                      | 1115                  |
| 1x35 RM                      | 0.9                          | 1.2            | 1.6                  | 1.8                      | 23.2                      | 1364                  |
| 1x50 RM                      | 1                            | 1.2            | 1.6                  | 1.8                      | 24.5                      | 1570                  |
| 1x70 RM                      | 1.1                          | 1.2            | 1.6                  | 1.8                      | 26.5                      | 1910                  |
| 1x95 RM                      | 1.1                          | 1.2            | 1.6                  | 1.9                      | 28.2                      | 2269                  |
| 1x120 RM                     | 1.2                          | 1.2            | 1.6                  | 1.9                      | 30                        | 2625                  |
| 1x150 RM                     | 1.4                          | 1.3            | 1.6                  | 2                        | 32                        | 3095                  |
| 1x185 RM                     | 1.6                          | 1.3            | 2                    | 2.1                      | 36                        | 3777                  |
| 1x240 RM                     | 1.7                          | 1.4            | 2                    | 2.2                      | 38.7                      | 4607                  |
| 1x300 RM                     | 1.8                          | 1.5            | 2                    | 2.3                      | 41.9                      | 5561                  |
| 1x400 RM                     | 2                            | 1.6            | 2.5                  | 2.5                      | 48.2                      | 7103                  |
| 2x1.5 RE                     | 0.7                          | 1.2            | 1.25                 | 1.8                      | 18.6                      | 993                   |
| 2x2.5 RE                     | 0.7                          | 1.2            | 1.25                 | 1.8                      | 19.4                      | 1089                  |
| 2x4 RE                       | 0.7                          | 1.2            | 1.25                 | 1.8                      | 20.4                      | 1212                  |
| 2x6 RE                       | 0.7                          | 1.2            | 1.6                  | 1.8                      | 22.7                      | 1526                  |
| 2x10 RE                      | 0.7                          | 1.2            | 1.6                  | 1.8                      | 24.3                      | 1779                  |
| 2x16 RM                      | 0.7                          | 1.2            | 1.6                  | 1.8                      | 27.2                      | 2222                  |
| 2x25 RM                      | 0.9                          | 1.2            | 1.6                  | 1.9                      | 30                        | 2723                  |
| 2x35 RM                      | 0.9                          | 1.3            | 2                    | 2.1                      | 34.4                      | 3609                  |
| 2x50 RM                      | 1                            | 1.4            | 2                    | 2.2                      | 37.4                      | 4329                  |
| 2x70 RM                      | 1.1                          | 1.5            | 2                    | 2.3                      | 42.2                      | 5552                  |
| 2x95 RM                      | 1.1                          | 1.6            | 2.5                  | 2.5                      | 47.8                      | 7257                  |
| 2x120 RM                     | 1.2                          | 1.7            | 2.5                  | 2.6                      | 51.8                      | 8594                  |
| 2x150 RM                     | 1.4                          | 1.8            | 2.5                  | 2.8                      | 56                        | 10029                 |
| 2x185 RM                     | 1.6                          | 1.9            | 2.5                  | 2.9                      | 60.8                      | 11846                 |
| 2x240 RM                     | 1.7                          | 2.1            | 2.5                  | 3.1                      | 66.2                      | 14411                 |
| 2x300 RM                     | 1.8                          | 2.2            | 3.15                 | 3.4                      | 74.8                      | 18256                 |

On request, Aluminium Conductor is also available





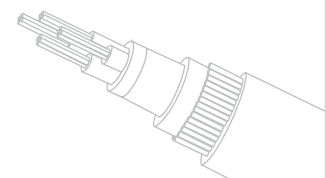


## Armoured Lead Sheathed Power Cable N2XKYRY

| No. of Cores & Cross Section | Nominal Insulation Thickness | Lead Thickness | Armour Wire Diameter | Nominal Sheath Thickness | Overall Diameter (Approx) | Total Weight (Approx) |
|------------------------------|------------------------------|----------------|----------------------|--------------------------|---------------------------|-----------------------|
| mm <sup>2</sup>              | mm                           | mm             | mm                   | mm                       | mm                        | kg/km                 |
| 3x1.5 RE                     | 0.7                          | 1.2            | 1.25                 | 1.8                      | 19.1                      | 1052                  |
| 3x2.5 RE                     | 0.7                          | 1.2            | 1.25                 | 1.8                      | 19.9                      | 1157                  |
| 3x4 RE                       | 0.7                          | 1.2            | 1.25                 | 1.8                      | 21                        | 1311                  |
| 3x6 RE                       | 0.7                          | 1.2            | 1.6                  | 1.8                      | 23.9                      | 1708                  |
| 3x10 RE                      | 0.7                          | 1.2            | 1.6                  | 1.8                      | 25.6                      | 2009                  |
| 3x16 RM                      | 0.7                          | 1.2            | 1.6                  | 1.9                      | 28.4                      | 2495                  |
| 3x25 RM                      | 0.9                          | 1.3            | 1.6                  | 2                        | 31.6                      | 3182                  |
| 3x35 RM                      | 0.9                          | 1.3            | 2                    | 2.1                      | 35.8                      | 4114                  |
| 3x50 SM                      | 1                            | 1.4            | 2                    | 2.2                      | 37.6                      | 4460                  |
| 3x70 SM                      | 1.1                          | 1.5            | 2                    | 2.3                      | 41.8                      | 5600                  |
| 3x95 SM                      | 1.1                          | 1.6            | 2                    | 2.4                      | 45.2                      | 6800                  |
| 3x120 SM                     | 1.2                          | 1.7            | 2.5                  | 2.6                      | 50.4                      | 8520                  |
| 3x150 SM                     | 1.4                          | 1.9            | 2.5                  | 2.7                      | 53.1                      | 9808                  |
| 3x185 SM                     | 1.6                          | 2              | 2.5                  | 2.8                      | 57.6                      | 11545                 |
| 3x240 SM                     | 1.7                          | 2.2            | 2.5                  | 3.0                      | 63.6                      | 14275                 |
| 3x300 SM                     | 1.8                          | 2.3            | 2.5                  | 3.2                      | 66.0                      | 16443                 |
| 3x25+16 RM                   | 0.9 0.7                      | 1.3            | 2                    | 2.1                      | 34.6                      | 3657                  |
| 3x35+16 RM                   | 0.9 0.7                      | 1.4            | 2                    | 2.1                      | 36.8                      | 4280                  |
| 3x50+25 SM                   | 1 0.9                        | 1.4            | 2                    | 2.2                      | 38.1                      | 4720                  |
| 3x70+35 SM                   | 1.1 0.9                      | 1.5            | 2                    | 2.3                      | 42.2                      | 5974                  |
| 3x95+50 SM                   | 1.1 1                        | 1.6            | 2.5                  | 2.5                      | 48.2                      | 7942                  |
| 3x120+70 SM                  | 1.2 1.1                      | 1.7            | 2.5                  | 2.6                      | 51.6                      | 9358                  |
| 3x150+70 SM                  | 1.4 1.1                      | 1.8            | 2.5                  | 2.8                      | 56.6                      | 11022                 |
| 3x185+95 SM                  | 1.6 1.1                      | 1.9            | 2.5                  | 2.9                      | 60.9                      | 13068                 |
| 3x240+120 SM                 | 1.7 1.2                      | 2.1            | 2.5                  | 3.1                      | 67.1                      | 16142                 |
| 3x300+150 SM                 | 1.8 1.4                      | 2.2            | 3.15                 | 3.4                      | 75.4                      | 20328                 |
| 3x400+185 SM                 | 2 1.6                        | 2.5            | 3.15                 | 3.7                      | 83.7                      | 25117                 |
| 4x1.5 RE                     | 0.7                          | 1.2            | 1.25                 | 1.8                      | 19.8                      | 1136                  |
| 4x2.5 RE                     | 0.7                          | 1.2            | 1.3                  | 1.8                      | 20.9                      | 1287                  |
| 4x4 RE                       | 0.7                          | 1.2            | 1.6                  | 1.8                      | 23.3                      | 1622                  |
| 4x6 RE                       | 0.7                          | 1.2            | 1.6                  | 1.8                      | 24.5                      | 1824                  |
| 4x10 RE                      | 0.7                          | 1.2            | 1.6                  | 1.8                      | 26.4                      | 2197                  |
| 4x16 RM                      | 0.7                          | 1.2            | 1.6                  | 1.9                      | 30.1                      | 2844                  |
| 4x25 RM                      | 0.9                          | 1.3            | 2                    | 2.1                      | 35.4                      | 4027                  |
| 4x35 RM                      | 0.9                          | 1.4            | 2                    | 2.2                      | 38.5                      | 4895                  |
| 4x50 SM                      | 1                            | 1.5            | 2                    | 2.3                      | 42.4                      | 6023                  |
| 4x50 SM                      | 1                            | 1.4            | 2                    | 2.2                      | 38.7                      | 4992                  |
| 4x70 SM                      | 1.1                          | 1.5            | 2                    | 2.4                      | 43.6                      | 6443                  |
| 4x95 SM                      | 1.1                          | 1.6            | 2.5                  | 2.6                      | 49.6                      | 8541                  |
| 4x120 SM                     | 1.2                          | 1.7            | 2.5                  | 2.7                      | 53.5                      | 10083                 |
| 4x150 SM                     | 1.4                          | 1.9            | 2.5                  | 2.8                      | 58.3                      | 12131                 |
| 4x185 SM                     | 1.6                          | 2              | 2.5                  | 3                        | 63                        | 14359                 |
| 4x240 SM                     | 1.7                          | 2.2            | 2.5                  | 3.2                      | 69.5                      | 17849                 |
| 4x300 SM                     | 1.8                          | 2.3            | 3.15                 | 3.5                      | 77.4                      | 22261                 |
| 4x400 SM                     | 2                            | 2.5            | 3.15                 | 3.8                      | 86.6                      | 27639                 |
| 5x1.5 RE                     | 0.7                          | 1.2            | 1.25                 | 1.8                      | 20.6                      | 1230                  |
| 5x2.5 RE                     | 0.7                          | 1.2            | 1.6                  | 1.8                      | 23                        | 1549                  |
| 5x4 RE                       | 0.7                          | 1.2            | 1.6                  | 1.8                      | 24.3                      | 1771                  |
| 5x6 RE                       | 0.7                          | 1.2            | 1.6                  | 1.8                      | 25.6                      | 2002                  |
| 5x10 RE                      | 0.7                          | 1.2            | 1.6                  | 1.8                      | 27.8                      | 2443                  |
| 5x16 RM                      | 0.7                          | 1.3            | 2                    | 2                        | 33.9                      | 3636                  |
| 5x25 RM                      | 0.9                          | 1.4            | 2                    | 2.2                      | 38                        | 4683                  |
| 5x35 RM                      | 0.9                          | 1.5            | 2                    | 2.3                      | 41.8                      | 5789                  |
| 5x50 RM                      | 1                            | 1.6            | 2.5                  | 2.5                      | 47.9                      | 7656                  |
| 5x70 RM                      | 1.1                          | 1.8            | 2.5                  | 2.7                      | 54.1                      | 10011                 |
| 5x95 RM                      | 1.1                          | 1.9            | 2.5                  | 2.9                      | 59.1                      | 12351                 |
| 5x120 RM                     | 1.2                          | 2              | 2.5                  | 3                        | 64.4                      | 14798                 |
| 5x150 RM                     | 1.4                          | 2.2            | 2.5                  | 3.2                      | 69.9                      | 17654                 |
| 5x185 RM                     | 1.6                          | 2.4            | 3.15                 | 3.5                      | 79.4                      | 22584                 |

On request, Aluminium Conductor is also available

NYY N2XY N2XH NYCY N2XCY NYRY NYBY N2XRY  
 N2XBY N2XHRH NYCRY N2XCYRY NYKYRY N2XKYRY



**Note:** .....

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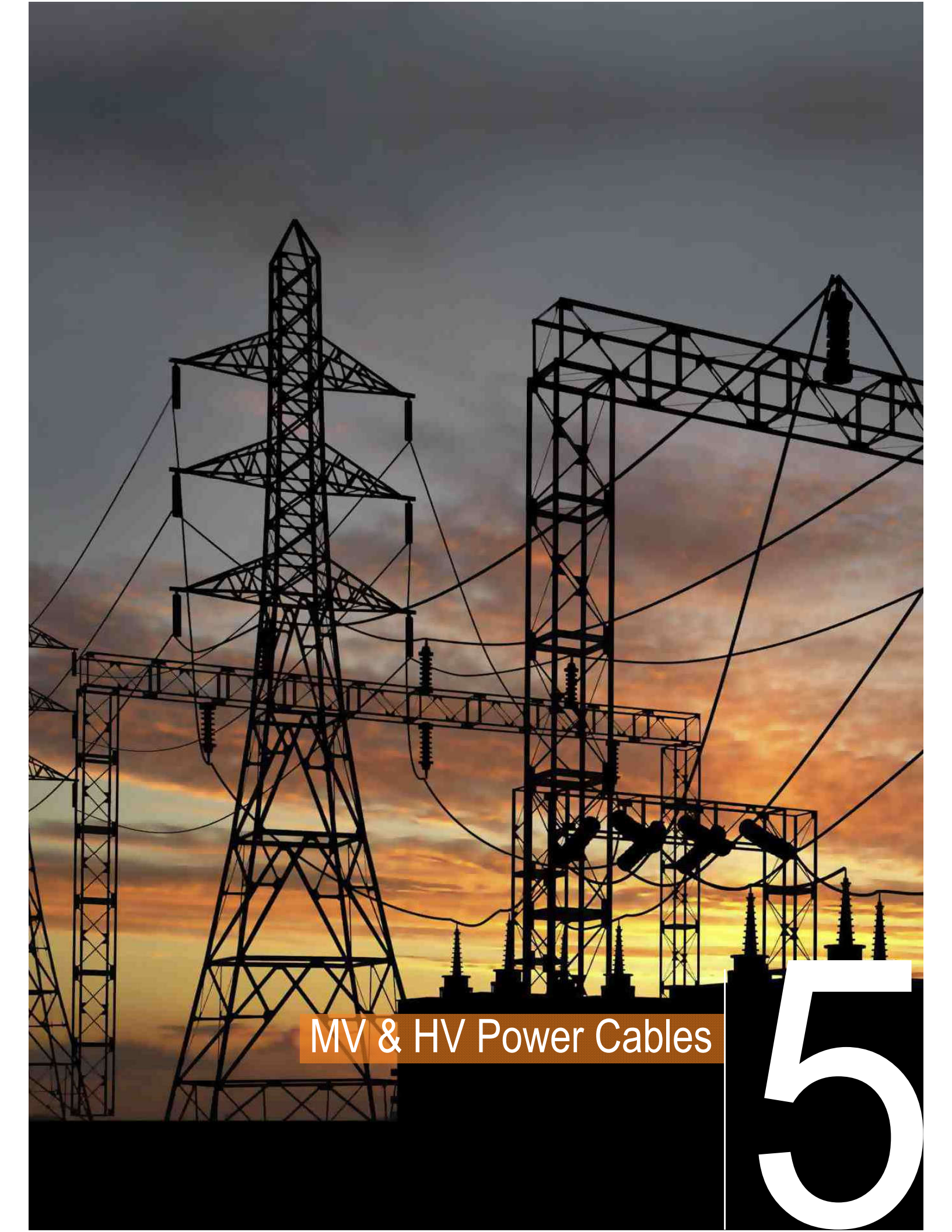
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کابل‌های قدرت فشار متوسط و قوی

The image shows a series of high-voltage power transmission towers and electrical equipment, including insulators and cross-arms, silhouetted against a dramatic sunset sky. The sky transitions from a deep orange near the horizon to a darker, greyish-blue at the top. The towers are constructed from a lattice of steel beams. In the foreground, the silhouettes of smaller electrical components, such as insulators and possibly transformers, are visible. The overall scene conveys a sense of industrial scale and the infrastructure of the power grid.

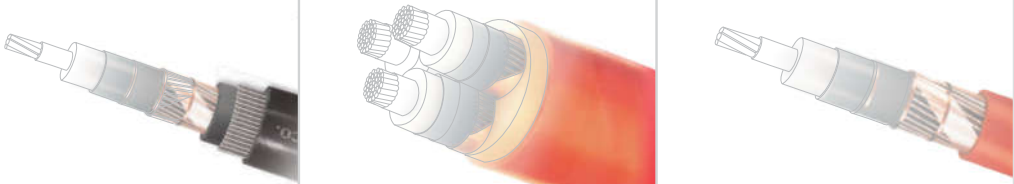
MV & HV Power Cables

5

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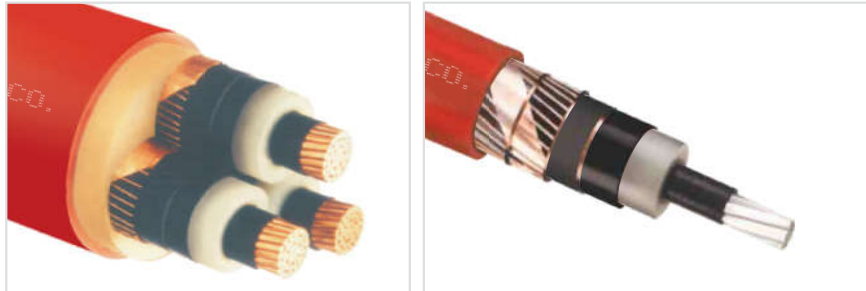


## UNARMoured XLPE MV POWER CABLES U0/U(Um)=3.6/6(7.2)KV

- Single Core N2XSY/ NA2XSY
- Three Core N2XSEY/ NA2XSEY

**Standard:**  
IEC 60502-2  
ISIRI 3569-2

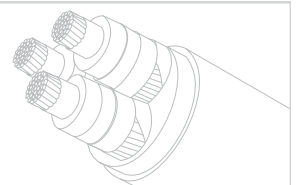
- Construction :**  
CU or AL/SC/XLPE/SC/SCT/CWT/PET/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Polyester Tape  
Overall Sheath PVC<sup>(1)</sup>



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section |       | Conductor Diameter | Insulation Thickness | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|-------|--------------------|----------------------|------------------|--------------------------|----------------------|-----------|
|                                          |       |                    |                      |                  |                          | Copper               | Aluminium |
| mm <sup>2</sup>                          |       | mm                 | mm                   | mm               | mm                       | kg/km                |           |
| 1x35                                     | RM/16 | 6.9                | 2.5                  | 1.8              | 20.4                     | 720                  | 510       |
| 1x50                                     | RM/16 | 8.1                | 2.5                  | 1.8              | 21.6                     | 860                  | 560       |
| 1x70                                     | RM/16 | 9.7                | 2.5                  | 1.8              | 23.2                     | 1080                 | 660       |
| 1x95                                     | RM/16 | 11.4               | 2.5                  | 1.8              | 24.9                     | 1360                 | 760       |
| 1x120                                    | RM/16 | 12.7               | 2.5                  | 1.8              | 26.2                     | 1620                 | 860       |
| 1x150                                    | RM/25 | 14.3               | 2.5                  | 1.9              | 28.4                     | 1900                 | 960       |
| 1x185                                    | RM/25 | 16.0               | 2.5                  | 1.9              | 30.1                     | 2260                 | 1100      |
| 1x240                                    | RM/25 | 18.4               | 2.6                  | 2.0              | 32.9                     | 2900                 | 1370      |
| 1x300                                    | RM/25 | 20.7               | 2.8                  | 2.1              | 35.8                     | 3500                 | 1600      |
| 1x400                                    | RM/35 | 23.2               | 3.0                  | 2.2              | 38.9                     | 4500                 | 2060      |
| 1x500                                    | RM/35 | 27.0               | 3.2                  | 2.4              | 43.5                     | 5600                 | 2500      |
| 1x630                                    | RM/35 | 30.5               | 3.2                  | 2.5              | 47.2                     | 7050                 | 3000      |
| 1x800                                    | RM/35 | 34.5               | 3.2                  | 2.6              | 51.4                     | 8800                 | 3600      |
| 1x1000                                   | RM/35 | 39.0               | 3.2                  | 2.8              | 57.0                     | 10800                | 4300      |
| 3x35                                     | RM/16 | 6.9                | 2.5                  | 2.3              | 42                       | 2900                 | 2258      |
| 3x50                                     | RM/16 | 8.1                | 2.5                  | 2.4              | 45                       | 3552                 | 2682      |
| 3x70                                     | RM/16 | 9.7                | 2.5                  | 2.6              | 49                       | 4417                 | 3169      |
| 3x95                                     | RM/16 | 11.4               | 2.5                  | 2.7              | 53                       | 5412                 | 3678      |
| 3x120                                    | RM/16 | 12.7               | 2.5                  | 2.8              | 56                       | 6470                 | 4286      |
| 3x150                                    | RM/25 | 14.3               | 2.5                  | 2.9              | 60                       | 7640                 | 4937      |
| 3x185                                    | RM/25 | 16.0               | 2.5                  | 3.1              | 64                       | 9080                 | 5708      |
| 3x240                                    | RM/25 | 18.4               | 2.6                  | 3.2              | 71                       | 11270                | 6857      |
| 3x300                                    | RM/25 | 20.7               | 2.8                  | 3.4              | 76                       | 13860                | 8334      |
| 3x400                                    | RM/35 | 23.2               | 3.0                  | 3.6              | 84                       | 16600                | 9550      |
| 3x500                                    | RM/35 | 27.0               | 3.2                  | 3.8              | 90                       | 20000                | 10850     |

(<sup>1</sup>) On request ,other materials including PE,EPR,HFFR&LSZH is available.





## WIRE ARMoured XLPE MV POWER CABLES U0/U(Um)=3.6/6(7.2)KV

- Aluminium Wire Armoured Single Core N2XSYRY/ NA2XSYRY
- Steel Wire Armoured Three Core N2XSEYRY/ NA2XSEYRY

- Standard:**  
IEC 60502-2  
ISIRI 3569-2

- Construction :**  
CU or AL/SC/XLPE/SC/SCT/CWT/Bd/AWA or SWA/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Sheath PVC  
Wire Armour  
Overall Sheath PVC(1)



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section |       | Conductor Diameter | Insulation Thickness | Separation Sheath Thickness | Armour Wire Dia. | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|-------|--------------------|----------------------|-----------------------------|------------------|------------------|--------------------------|----------------------|-----------|
| mm <sup>2</sup>                          |       | mm                 | mm                   | mm                          | mm               | mm               | mm                       | Copper               | Aluminium |
|                                          |       | kg/km              |                      |                             |                  |                  |                          |                      |           |
| 1x35                                     | RM/16 | 6.9                | 2.5                  | 1.2                         | 1.6              | 1.8              | 26                       | 1150                 | 936       |
| 1x50                                     | RM/16 | 8.1                | 2.5                  | 1.2                         | 1.6              | 1.8              | 27                       | 1500                 | 1210      |
| 1x70                                     | RM/16 | 9.7                | 2.5                  | 1.2                         | 1.6              | 1.9              | 29                       | 1460                 | 1044      |
| 1x95                                     | RM/16 | 11.4               | 2.5                  | 1.2                         | 1.6              | 1.9              | 31                       | 1790                 | 1212      |
| 1x120                                    | RM/16 | 12.7               | 2.5                  | 1.2                         | 1.6              | 2.0              | 32                       | 2050                 | 1322      |
| 1x150                                    | RM/25 | 14.3               | 2.5                  | 1.2                         | 2.0              | 2.1              | 34                       | 2500                 | 1599      |
| 1x185                                    | RM/25 | 16.0               | 2.5                  | 1.2                         | 2.0              | 2.1              | 37                       | 3000                 | 1876      |
| 1x240                                    | RM/25 | 18.4               | 2.6                  | 1.2                         | 2.0              | 2.2              | 40                       | 3650                 | 2179      |
| 1x300                                    | RM/25 | 20.7               | 2.8                  | 1.2                         | 2.0              | 2.3              | 42                       | 4350                 | 2508      |
| 1x400                                    | RM/35 | 23.2               | 3.0                  | 1.3                         | 2.5              | 2.4              | 47                       | 5580                 | 3230      |
| 1x500                                    | RM/35 | 27.0               | 3.2                  | 1.3                         | 2.5              | 2.5              | 51                       | 6800                 | 3750      |
| 1x630                                    | RM/35 | 30.5               | 3.2                  | 1.4                         | 2.5              | 2.5              | 55                       | 8300                 | 4360      |
|                                          |       |                    |                      |                             |                  |                  |                          |                      |           |
| 3x35                                     | RM/16 | 6.9                | 2.5                  | 1.3                         | 2.5              | 2.4              | 48                       | 4240                 | 3598      |
| 3x50                                     | RM/16 | 8.1                | 2.5                  | 1.3                         | 2.5              | 2.6              | 51                       | 5400                 | 4530      |
| 3x70                                     | RM/16 | 9.7                | 2.5                  | 1.4                         | 2.5              | 2.7              | 55                       | 6450                 | 5262      |
| 3x95                                     | RM/16 | 11.4               | 2.5                  | 1.5                         | 2.5              | 2.8              | 59                       | 7590                 | 5856      |
| 3x120                                    | RM/16 | 12.7               | 2.5                  | 1.5                         | 3.15             | 3.0              | 63                       | 8700                 | 6516      |
| 3x150                                    | RM/25 | 14.3               | 2.5                  | 1.6                         | 3.15             | 3.2              | 67                       | 10020                | 7317      |
| 3x185                                    | RM/25 | 16.0               | 2.5                  | 1.7                         | 3.15             | 3.3              | 72                       | 11570                | 8198      |
| 3x240                                    | RM/25 | 18.4               | 2.6                  | 1.8                         | 3.15             | 3.6              | 79                       | 14950                | 10537     |
| 3x300                                    | RM/25 | 20.7               | 2.8                  | 1.9                         | 3.15             | 3.8              | 85                       | 17690                | 12164     |
| 3x400                                    | RM/35 | 23.2               | 3.0                  | 2.0                         | 4.0              | 4.0              | 94                       | 21500                | 14450     |
| 3x500                                    | RM/35 | 27.0               | 3.2                  | 2.1                         | 4.0              | 4.1              | 103                      | 25600                | 16450     |

(1) on request ,other materials including PE,EPR,HFFR&LSZH is available.

3.6/6 KV

6/10 KV

12/20 KV

18/30 KV

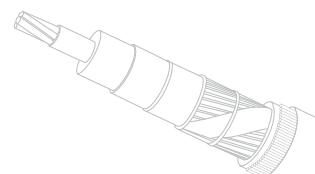
36/63 KV

UN ARMoured

WIRE ARMoured

TAPE ARMoured

ELECTRICAL CHARACTERISTICS

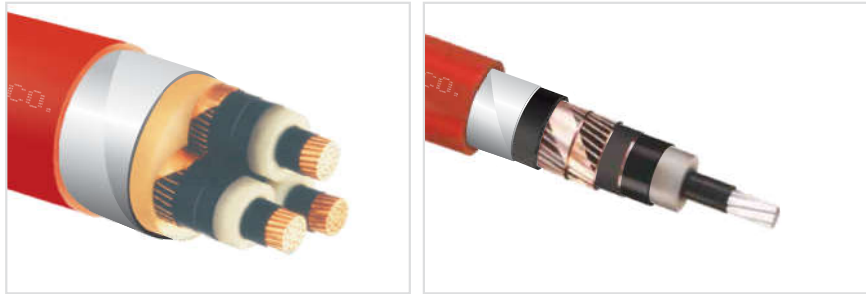


## TAPE ARMoured XLPE MV POWER CABLES U0/U(Um)=3.6/6(7.2)KV

- Aluminium Tape Armoured Single Core N2XSYBY/ NA2XSYBY
- Steel Tape Armoured Three Core N2XSEYBY/ NA2XSEYBY

- Standard:**  
IEC 60502-2  
ISIRI 3569-2

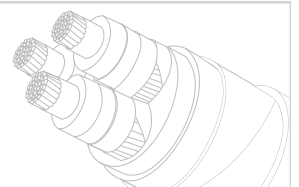
- Construction :**  
CU or AL/SC/XLPE/SC/SCT/CWT/Bd/ATA or STA/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Sheath PVC  
Double Tape Armour  
Overall Sheath PVC (\*)



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section |       | Conductor Diameter | Insulation Thickness | Separation Sheath Thickness | Tape Thickness | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|-------|--------------------|----------------------|-----------------------------|----------------|------------------|--------------------------|----------------------|-----------|
| mm <sup>2</sup>                          |       | mm                 | mm                   | mm                          | mm             | mm               | mm                       | Copper               | Aluminium |
|                                          |       | kg/km              |                      |                             |                |                  |                          |                      |           |
| 1x35                                     | RM/16 | 6.9                | 2.5                  | 1.2                         | 0.5            | 1.8              | 27                       | 1150                 | 936       |
| 1x50                                     | RM/16 | 8.1                | 2.5                  | 1.2                         | 0.5            | 1.8              | 28                       | 1500                 | 1210      |
| 1x70                                     | RM/16 | 9.7                | 2.5                  | 1.2                         | 0.5            | 1.9              | 30                       | 1450                 | 1034      |
| 1x95                                     | RM/16 | 11.4               | 2.5                  | 1.2                         | 0.5            | 1.9              | 32                       | 1770                 | 1192      |
| 1x120                                    | RM/16 | 12.7               | 2.5                  | 1.2                         | 0.5            | 2.0              | 33                       | 2050                 | 1322      |
| 1x150                                    | RM/25 | 14.3               | 2.5                  | 1.2                         | 0.5            | 2.1              | 35                       | 2450                 | 1549      |
| 1x185                                    | RM/25 | 16.0               | 2.5                  | 1.2                         | 0.5            | 2.1              | 37                       | 2900                 | 1776      |
| 1x240                                    | RM/25 | 18.4               | 2.6                  | 1.2                         | 0.5            | 2.2              | 39                       | 3500                 | 2029      |
| 1x300                                    | RM/25 | 20.7               | 2.8                  | 1.2                         | 0.5            | 2.3              | 41                       | 4200                 | 2358      |
| 1x400                                    | RM/35 | 23.2               | 3.0                  | 1.3                         | 0.5            | 2.4              | 45                       | 5200                 | 2850      |
| 1x500                                    | RM/35 | 27.0               | 3.2                  | 1.3                         | 0.5            | 2.5              | 49                       | 6300                 | 3250      |
| 1x630                                    | RM/35 | 30.5               | 3.2                  | 1.4                         | 0.5            | 2.6              | 52                       | 7800                 | 3860      |
|                                          |       |                    |                      |                             |                |                  |                          |                      |           |
| 3x35                                     | RM/16 | 6.9                | 2.5                  | 1.3                         | 0.5            | 2.5              | 50                       | 3440                 | 2798      |
| 3x50                                     | RM/16 | 8.1                | 2.5                  | 1.3                         | 0.5            | 2.6              | 53                       | 4090                 | 3220      |
| 3x70                                     | RM/16 | 9.7                | 2.5                  | 1.4                         | 0.5            | 2.8              | 56                       | 5000                 | 3752      |
| 3x95                                     | RM/16 | 11.4               | 2.5                  | 1.5                         | 0.5            | 2.9              | 60                       | 6080                 | 4346      |
| 3x120                                    | RM/16 | 12.7               | 2.5                  | 1.5                         | 0.5            | 3.0              | 64                       | 7090                 | 4906      |
| 3x150                                    | RM/25 | 14.3               | 2.5                  | 1.6                         | 0.5            | 3.2              | 68                       | 8280                 | 5577      |
| 3x185                                    | RM/25 | 16.0               | 2.5                  | 1.7                         | 0.5            | 3.3              | 71                       | 9800                 | 6428      |
| 3x240                                    | RM/25 | 18.4               | 2.6                  | 1.8                         | 0.5            | 3.5              | 77                       | 12000                | 7587      |
| 3x300                                    | RM/25 | 20.7               | 2.8                  | 1.9                         | 0.5            | 3.6              | 82                       | 14540                | 9014      |
| 3x400                                    | RM/35 | 23.2               | 3.0                  | 2.0                         | 0.8            | 3.9              | 91                       | 18400                | 11350     |
| 3x500                                    | RM/35 | 27.0               | 3.2                  | 2.1                         | 0.8            | 4.0              | 99                       | 22200                | 13050     |

(\*) on request ,other materials including PE,EPR,HFFR&LSZH is available.



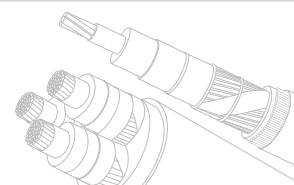
Electrical Characteristics

**XLPE MV POWER CABLES U<sub>0</sub>/U(U<sub>m</sub>)=3.6/6(7.2) KV**

| Conductor & Screen Nominal Cross Section                 |       | Max DC Resistance of Conductor at 20°C | Effective AC Resistance of Conductor at 90°C                                      |                                                                                   | Inductance                                                                        |                                                                                     | Capacitance |
|----------------------------------------------------------|-------|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|
| mm²                                                      |       | Ω/Km                                   | Ω/Km                                                                              |                                                                                   | mH/Km                                                                             |                                                                                     | μF/Km       |
|                                                          |       |                                        |  |  |  |  |             |
| COPPER CONDUCTOR CABLES (N2XSY)                          |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 1x35                                                     | RM/16 | 0.524                                  | 0.60                                                                              | 0.61                                                                              | 0.37                                                                              | 0.56                                                                                | 0.29        |
| 1x50                                                     | RM/16 | 0.387                                  | 0.50                                                                              | 0.52                                                                              | 0.35                                                                              | 0.54                                                                                | 0.31        |
| 1x70                                                     | RM/16 | 0.268                                  | 0.35                                                                              | 0.36                                                                              | 0.33                                                                              | 0.52                                                                                | 0.35        |
| 1x95                                                     | RM/16 | 0.193                                  | 0.25                                                                              | 0.26                                                                              | 0.32                                                                              | 0.51                                                                                | 0.38        |
| 1x120                                                    | RM/16 | 0.153                                  | 0.20                                                                              | 0.22                                                                              | 0.31                                                                              | 0.50                                                                                | 0.42        |
| 1x150                                                    | RM/25 | 0.124                                  | 0.16                                                                              | 0.18                                                                              | 0.31                                                                              | 0.49                                                                                | 0.46        |
| 1x185                                                    | RM/25 | 0.0991                                 | 0.13                                                                              | 0.15                                                                              | 0.30                                                                              | 0.48                                                                                | 0.51        |
| 1x240                                                    | RM/25 | 0.0754                                 | 0.10                                                                              | 0.12                                                                              | 0.29                                                                              | 0.47                                                                                | 0.55        |
| 1x300                                                    | RM/25 | 0.0601                                 | 0.08                                                                              | 0.10                                                                              | 0.28                                                                              | 0.47                                                                                | 0.56        |
| 1x400                                                    | RM/35 | 0.0470                                 | 0.07                                                                              | 0.09                                                                              | 0.28                                                                              | 0.46                                                                                | 0.59        |
| 1x500                                                    | RM/35 | 0.0366                                 | 0.06                                                                              | 0.07                                                                              | 0.27                                                                              | 0.46                                                                                | 0.62        |
| 1x630                                                    | RM/35 | 0.0283                                 | 0.05                                                                              | 0.06                                                                              | 0.27                                                                              | 0.45                                                                                | 0.69        |
| 1x800                                                    | RM/35 | 0.0221                                 | 0.04                                                                              | 0.05                                                                              | 0.26                                                                              | 0.44                                                                                | 0.74        |
| 1x1000                                                   | RM/35 | 0.0176                                 | 0.03                                                                              | 0.04                                                                              | 0.25                                                                              | 0.43                                                                                | 0.79        |
| ALUMINIUM CONDUCTOR CABLES (NA2XSY)                      |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 1x35                                                     | RM/16 | 0.868                                  | 1.10                                                                              | 1.15                                                                              | 0.37                                                                              | 0.56                                                                                | 0.29        |
| 1x50                                                     | RM/16 | 0.641                                  | 0.83                                                                              | 0.84                                                                              | 0.35                                                                              | 0.54                                                                                | 0.31        |
| 1x70                                                     | RM/16 | 0.443                                  | 0.57                                                                              | 0.59                                                                              | 0.33                                                                              | 0.52                                                                                | 0.35        |
| 1x95                                                     | RM/16 | 0.320                                  | 0.41                                                                              | 0.43                                                                              | 0.32                                                                              | 0.51                                                                                | 0.38        |
| 1x120                                                    | RM/16 | 0.253                                  | 0.33                                                                              | 0.34                                                                              | 0.31                                                                              | 0.50                                                                                | 0.42        |
| 1x150                                                    | RM/25 | 0.206                                  | 0.27                                                                              | 0.29                                                                              | 0.31                                                                              | 0.49                                                                                | 0.46        |
| 1x185                                                    | RM/25 | 0.164                                  | 0.22                                                                              | 0.23                                                                              | 0.30                                                                              | 0.48                                                                                | 0.51        |
| 1x240                                                    | RM/25 | 0.125                                  | 0.17                                                                              | 0.18                                                                              | 0.29                                                                              | 0.47                                                                                | 0.55        |
| 1x300                                                    | RM/25 | 0.100                                  | 0.14                                                                              | 0.15                                                                              | 0.28                                                                              | 0.47                                                                                | 0.56        |
| 1x400                                                    | RM/35 | 0.0778                                 | 0.11                                                                              | 0.13                                                                              | 0.28                                                                              | 0.46                                                                                | 0.59        |
| 1x500                                                    | RM/35 | 0.0605                                 | 0.09                                                                              | 0.11                                                                              | 0.27                                                                              | 0.46                                                                                | 0.62        |
| 1x630                                                    | RM/35 | 0.0469                                 | 0.07                                                                              | 0.08                                                                              | 0.27                                                                              | 0.45                                                                                | 0.69        |
| 1x800                                                    | RM/35 | 0.0367                                 | 0.06                                                                              | 0.07                                                                              | 0.26                                                                              | 0.44                                                                                | 0.74        |
| 1x1000                                                   | RM/35 | 0.0291                                 | 0.04                                                                              | 0.05                                                                              | 0.25                                                                              | 0.43                                                                                | 0.79        |
| COPPER CONDUCTOR CABLES (N2XSEY/N2XSEYRY/N2XSEYBY)       |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 3x35                                                     | RM/16 | 0.524                                  | 0.674                                                                             |                                                                                   | 0.325                                                                             |                                                                                     | 0.251       |
| 3x50                                                     | RM/16 | 0.387                                  | 0.497                                                                             |                                                                                   | 0.312                                                                             |                                                                                     | 0.302       |
| 3x70                                                     | RM/16 | 0.268                                  | 0.345                                                                             |                                                                                   | 0.296                                                                             |                                                                                     | 0.347       |
| 3x95                                                     | RM/16 | 0.193                                  | 0.250                                                                             |                                                                                   | 0.290                                                                             |                                                                                     | 0.379       |
| 3x120                                                    | RM/16 | 0.153                                  | 0.199                                                                             |                                                                                   | 0.280                                                                             |                                                                                     | 0.419       |
| 3x150                                                    | RM/25 | 0.124                                  | 0.164                                                                             |                                                                                   | 0.277                                                                             |                                                                                     | 0.460       |
| 3x185                                                    | RM/25 | 0.0991                                 | 0.132                                                                             |                                                                                   | 0.268                                                                             |                                                                                     | 0.502       |
| 3x240                                                    | RM/25 | 0.0754                                 | 0.102                                                                             |                                                                                   | 0.261                                                                             |                                                                                     | 0.541       |
| 3x300                                                    | RM/25 | 0.0601                                 | 0.0831                                                                            |                                                                                   | 0.258                                                                             |                                                                                     | 0.558       |
| 3x400                                                    | RM/35 | 0.0470                                 | 0.0686                                                                            |                                                                                   | 0.255                                                                             |                                                                                     | 0.583       |
| 3x500                                                    | RM/35 | 0.0366                                 | 0.0563                                                                            |                                                                                   | 0.245                                                                             |                                                                                     | 0.621       |
| ALUMINIUM CONDUCTOR CABLES (NA2XSEY/NA2XSEYRY/NA2XSEYBY) |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 3x35                                                     | RM/16 | 0.868                                  | 1.12                                                                              |                                                                                   | 0.325                                                                             |                                                                                     | 0.251       |
| 3x50                                                     | RM/16 | 0.641                                  | 0.825                                                                             |                                                                                   | 0.312                                                                             |                                                                                     | 0.302       |
| 3x70                                                     | RM/16 | 0.443                                  | 0.571                                                                             |                                                                                   | 0.296                                                                             |                                                                                     | 0.347       |
| 3x95                                                     | RM/16 | 0.320                                  | 0.414                                                                             |                                                                                   | 0.290                                                                             |                                                                                     | 0.379       |
| 3x120                                                    | RM/16 | 0.253                                  | 0.328                                                                             |                                                                                   | 0.280                                                                             |                                                                                     | 0.419       |
| 3x150                                                    | RM/25 | 0.206                                  | 0.269                                                                             |                                                                                   | 0.277                                                                             |                                                                                     | 0.460       |
| 3x185                                                    | RM/25 | 0.164                                  | 0.215                                                                             |                                                                                   | 0.268                                                                             |                                                                                     | 0.502       |
| 3x240                                                    | RM/25 | 0.125                                  | 0.166                                                                             |                                                                                   | 0.261                                                                             |                                                                                     | 0.541       |
| 3x300                                                    | RM/25 | 0.100                                  | 0.134                                                                             |                                                                                   | 0.258                                                                             |                                                                                     | 0.558       |
| 3x400                                                    | RM/35 | 0.0778                                 | 0.107                                                                             |                                                                                   | 0.255                                                                             |                                                                                     | 0.583       |
| 3x500                                                    | RM/35 | 0.0605                                 | 0.0857                                                                            |                                                                                   | 0.245                                                                             |                                                                                     | 0.621       |

SINGLE CORE

THREE CORE



## UNARMoured XLPE MV POWER CABLES U0/U(Um)=6/10(12)KV

- **Single Core** N2XSY/ NA2XSY
- **Three Core** N2XSEY/ NA2XSEY

● **Standard:**  
IEC 60502-2  
ISIRI 3569-2  
VDE 0276-620

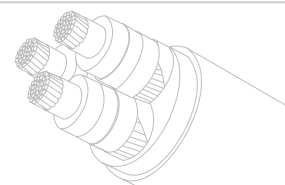
- **Construction :**  
CU or AL/SC/XLPE/SC/SCT/CWT/PET/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Polyester Tape  
Overall Sheath PVC<sup>(1)</sup>



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section | Conductor Diameter | Insulation Thickness | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|--------------------|----------------------|------------------|--------------------------|----------------------|-----------|
|                                          |                    |                      |                  |                          | Copper               | Aluminium |
| mm <sup>2</sup>                          | mm                 | mm                   | mm               | mm                       | kg/km                |           |
| 1x35 RM/16                               | 6.9                | 3.4                  | 1.8              | 22                       | 780                  | 560       |
| 1x50 RM/16                               | 8.1                | 3.4                  | 1.8              | 24                       | 920                  | 630       |
| 1x70 RM/16                               | 9.7                | 3.4                  | 1.8              | 25                       | 1150                 | 730       |
| 1x95 RM/16                               | 11.4               | 3.4                  | 1.8              | 27                       | 1430                 | 840       |
| 1x120 RM/16                              | 12.7               | 3.4                  | 1.8              | 28                       | 1700                 | 950       |
| 1x150 RM/25                              | 14.3               | 3.4                  | 1.9              | 30                       | 2000                 | 1070      |
| 1x185 RM/25                              | 16.0               | 3.4                  | 2.0              | 32                       | 2350                 | 1200      |
| 1x240 RM/25                              | 18.4               | 3.4                  | 2.1              | 34                       | 3000                 | 1450      |
| 1x300 RM/25                              | 20.7               | 3.4                  | 2.1              | 37                       | 3600                 | 1700      |
| 1x400 RM/35                              | 23.2               | 3.4                  | 2.2              | 40                       | 4550                 | 2130      |
| 1x500 RM/35                              | 27.0               | 3.4                  | 2.3              | 44                       | 5650                 | 2550      |
| 1x630 RM/35                              | 30.5               | 3.4                  | 2.5              | 47                       | 7100                 | 3050      |
| 1x800 RM/35                              | 34.5               | 3.4                  | 2.6              | 52                       | 8800                 | 3650      |
| 1x1000 RM/35                             | 39.0               | 3.4                  | 2.8              | 57                       | 10850                | 4380      |
|                                          |                    |                      |                  |                          |                      |           |
| 3x35 RM/16                               | 6.9                | 3.4                  | 2.4              | 48                       | 3320                 | 2678      |
| 3x50 RM/16                               | 8.1                | 3.4                  | 2.6              | 50                       | 3980                 | 3110      |
| 3x70 RM/16                               | 9.7                | 3.4                  | 2.7              | 54                       | 4892                 | 3644      |
| 3x95 RM/16                               | 11.4               | 3.4                  | 2.8              | 57                       | 5990                 | 4256      |
| 3x120 RM/16                              | 12.7               | 3.4                  | 2.9              | 60                       | 7010                 | 4826      |
| 3x150 RM/25                              | 14.3               | 3.4                  | 3.1              | 65                       | 8190                 | 5487      |
| 3x185 RM/25                              | 16.0               | 3.4                  | 3.2              | 70                       | 9660                 | 6288      |
| 3x240 RM/25                              | 18.4               | 3.4                  | 3.4              | 75                       | 11890                | 7477      |
| 3x300 RM/25                              | 20.7               | 3.4                  | 3.6              | 80                       | 14240                | 8714      |
| 3x400 RM/35                              | 23.2               | 3.4                  | 3.8              | 87                       | 17300                | 10250     |
| 3x500 RM/35                              | 27.0               | 3.4                  | 3.9              | 93                       | 20800                | 11650     |

(<sup>1</sup>) on request ,other materials including PE,EPR,HFFR&LSZH is available.





## WIRE ARMoured XLPE MV POWER CABLES U0/U(Um)=6/10(12)KV

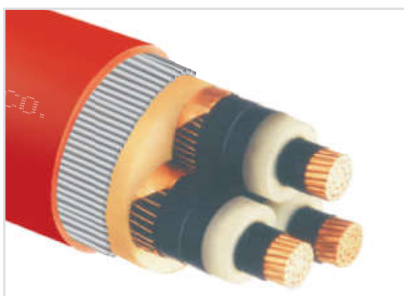
- Aluminium Wire Armoured Single Core N2XSYRY/ NA2XSYRY
- Steel Wire Armoured Three Core N2XSEYRY/ NA2XSEYRY

### Standard:

IEC 60502-2  
ISIRI 3569-2  
VDE 0276-620

### Construction :

CU or AL/SC/XLPE/SC/SCT/CWT/Bd/AWA or SWA/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Sheath PVC  
Wire Armour  
Overall Sheath PVC(')



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section |       | Conductor Diameter | Insulation Thickness | Separation Sheath Thickness | Armour Wire Dia. | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|-------|--------------------|----------------------|-----------------------------|------------------|------------------|--------------------------|----------------------|-----------|
|                                          |       |                    |                      |                             |                  |                  |                          | Copper               | Aluminium |
| mm <sup>2</sup>                          |       | mm                 | mm                   | mm                          | mm               | mm               | mm                       | kg/km                |           |
| 1x35                                     | RM/16 | 6.9                | 3.4                  | 1.2                         | 1.6              | 1.8              | 28                       | 1150                 | 936       |
| 1x50                                     | RM/16 | 8.1                | 3.4                  | 1.2                         | 1.6              | 1.9              | 29                       | 1300                 | 1010      |
| 1x70                                     | RM/16 | 9.7                | 3.4                  | 1.2                         | 1.6              | 1.9              | 31                       | 1600                 | 1184      |
| 1x95                                     | RM/16 | 11.4               | 3.4                  | 1.2                         | 1.6              | 2.0              | 33                       | 1900                 | 1322      |
| 1x120                                    | RM/16 | 12.7               | 3.4                  | 1.2                         | 2.0              | 2.1              | 35                       | 2270                 | 1542      |
| 1x150                                    | RM/25 | 14.3               | 3.4                  | 1.2                         | 2.0              | 2.1              | 37                       | 2600                 | 1699      |
| 1x185                                    | RM/25 | 16.0               | 3.4                  | 1.2                         | 2.0              | 2.2              | 39                       | 3000                 | 1876      |
| 1x240                                    | RM/25 | 18.4               | 3.4                  | 1.2                         | 2.0              | 2.3              | 41                       | 3700                 | 2229      |
| 1x300                                    | RM/25 | 20.7               | 3.4                  | 1.3                         | 2.0              | 2.4              | 44                       | 4350                 | 2508      |
| 1x400                                    | RM/35 | 23.2               | 3.4                  | 1.3                         | 2.5              | 2.5              | 48                       | 5450                 | 3100      |
| 1x500                                    | RM/35 | 27.0               | 3.4                  | 1.4                         | 2.5              | 2.6              | 52                       | 6700                 | 3650      |
| 1x630                                    | RM/35 | 30.5               | 3.4                  | 1.4                         | 2.5              | 2.7              | 56                       | 8250                 | 4310      |
|                                          |       |                    |                      |                             |                  |                  |                          |                      |           |
| 3x35                                     | RM/16 | 6.9                | 3.4                  | 1.4                         | 2.5              | 2.7              | 53                       | 5227                 | 4585      |
| 3x50                                     | RM/16 | 8.1                | 3.4                  | 1.4                         | 2.5              | 2.8              | 56                       | 6000                 | 5130      |
| 3x70                                     | RM/16 | 9.7                | 3.4                  | 1.5                         | 2.5              | 2.9              | 60                       | 7080                 | 5832      |
| 3x95                                     | RM/16 | 11.4               | 3.4                  | 1.6                         | 2.5              | 2.9              | 65                       | 8250                 | 6516      |
| 3x120                                    | RM/16 | 12.7               | 3.4                  | 1.6                         | 2.5              | 3.0              | 68                       | 9420                 | 7236      |
| 3x150                                    | RM/25 | 14.3               | 3.4                  | 1.7                         | 3.15             | 3.2              | 72                       | 10740                | 8037      |
| 3x185                                    | RM/25 | 16.0               | 3.4                  | 1.8                         | 3.15             | 3.4              | 77                       | 13240                | 9868      |
| 3x240                                    | RM/25 | 18.4               | 3.4                  | 1.8                         | 3.15             | 3.6              | 82                       | 15650                | 11237     |
| 3x300                                    | RM/25 | 20.7               | 3.4                  | 1.9                         | 3.15             | 3.7              | 87                       | 19400                | 13874     |
| 3x400                                    | RM/35 | 23.2               | 3.4                  | 2.0                         | 3.15             | 3.9              | 94                       | 22500                | 15450     |
| 3x500                                    | RM/35 | 27.0               | 3.4                  | 2.2                         | 3.15             | 4.0              | 101                      | 26000                | 16850     |

(') on request ,other materials including PE,EPR,HFFR&LSZH is available.

3.6/6 KV

UN ARMoured

6/10 KV

WIRE ARMoured

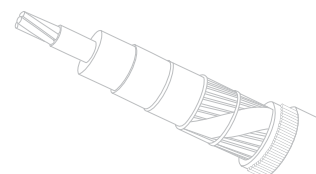
12/20 KV

TAPE ARMoured

18/30 KV

ELECTRICAL CHARACTERISTICS

36/63 KV



**TAPE ARMoured XLPE MV POWER CABLES U0/U(Um)=6/10(12)KV**

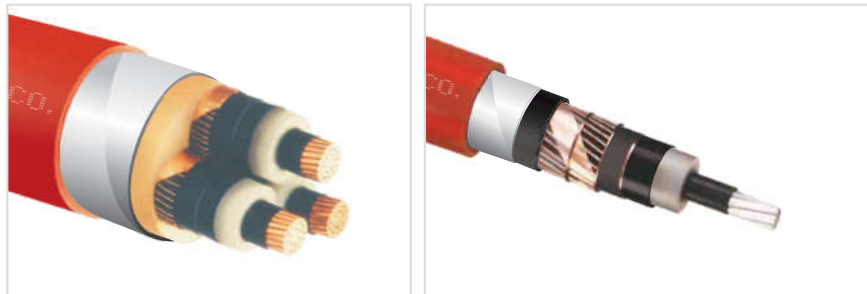
- **Aluminium Tape Armoured Single Core N2XSYBY/ NA2XSYBY**
- **Steel Tape Armoured Three Core N2XSEYBY/ NA2XSEYBY**

● **Standard:**

IEC 60502-2  
ISIRI 3569-2  
VDE0 276-620

● **Construction :**

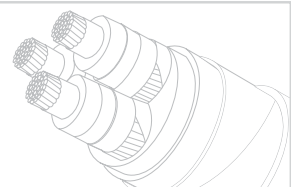
CU or AL/SC/XLPE/SC/SCT/CWT/Bd/ATA or STA/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Sheath PVC  
Double Tape Armour  
Overall Sheath PVC (\*)



● **CONSTRUCTIONAL & DESIGN DATA**

| Conductor & Screen Nominal Cross Section |       | Conductor Diameter | Insulation Thickness | Separation Sheath Thickness | Tape Thickness | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|-------|--------------------|----------------------|-----------------------------|----------------|------------------|--------------------------|----------------------|-----------|
| mm <sup>2</sup>                          |       | mm                 | mm                   | mm                          | mm             | mm               | mm                       | Copper               | Aluminium |
|                                          |       | kg/km              |                      |                             |                |                  |                          |                      |           |
| 1x35                                     | RM/16 | 6.9                | 3.4                  | 1.2                         | 0.5            | 1.8              | 25                       | 1060                 | 850       |
| 1x50                                     | RM/16 | 8.1                | 3.4                  | 1.2                         | 0.5            | 1.8              | 26                       | 1200                 | 900       |
| 1x70                                     | RM/16 | 9.7                | 3.4                  | 1.2                         | 0.5            | 1.8              | 28                       | 1450                 | 1030      |
| 1x95                                     | RM/16 | 11.4               | 3.4                  | 1.2                         | 0.5            | 1.9              | 30                       | 1750                 | 1150      |
| 1x120                                    | RM/16 | 12.7               | 3.4                  | 1.2                         | 0.5            | 1.9              | 31                       | 2030                 | 1300      |
| 1x150                                    | RM/25 | 14.3               | 3.4                  | 1.2                         | 0.5            | 2.0              | 33                       | 2430                 | 1500      |
| 1x185                                    | RM/25 | 16.0               | 3.4                  | 1.2                         | 0.5            | 2.1              | 35                       | 2830                 | 1700      |
| 1x240                                    | RM/25 | 18.4               | 3.4                  | 1.2                         | 0.5            | 2.1              | 37                       | 3500                 | 2000      |
| 1x300                                    | RM/25 | 20.7               | 3.4                  | 1.2                         | 0.5            | 2.2              | 40                       | 4170                 | 2250      |
| 1x400                                    | RM/35 | 23.2               | 3.4                  | 1.3                         | 0.5            | 2.4              | 44                       | 5100                 | 2700      |
| 1x500                                    | RM/35 | 27.0               | 3.4                  | 1.3                         | 0.5            | 2.5              | 48                       | 6300                 | 3200      |
| 1x630                                    | RM/35 | 30.5               | 3.4                  | 1.4                         | 0.5            | 2.5              | 52                       | 7800                 | 3730      |
| 3x35                                     | RM/16 | 6.9                | 3.4                  | 1.3                         | 0.5            | 2.3              | 45                       | 3890                 | 3248      |
| 3x50                                     | RM/16 | 8.1                | 3.4                  | 1.3                         | 0.5            | 2.4              | 48                       | 4580                 | 3710      |
| 3x70                                     | RM/16 | 9.7                | 3.4                  | 1.4                         | 0.5            | 2.5              | 52                       | 5530                 | 4282      |
| 3x95                                     | RM/16 | 11.4               | 3.4                  | 1.5                         | 0.5            | 2.7              | 56                       | 6580                 | 4846      |
| 3x120                                    | RM/16 | 12.7               | 3.4                  | 1.5                         | 0.5            | 2.8              | 60                       | 7650                 | 5466      |
| 3x150                                    | RM/25 | 14.3               | 3.4                  | 1.6                         | 0.5            | 2.9              | 63                       | 8860                 | 6157      |
| 3x185                                    | RM/25 | 16.0               | 3.4                  | 1.7                         | 0.5            | 3.0              | 68                       | 10390                | 7018      |
| 3x240                                    | RM/25 | 18.4               | 3.4                  | 1.8                         | 0.5            | 3.2              | 73                       | 12550                | 8137      |
| 3x300                                    | RM/25 | 20.7               | 3.4                  | 1.9                         | 0.5            | 3.4              | 78                       | 14990                | 9464      |
| 3x400                                    | RM/35 | 23.2               | 3.4                  | 2.0                         | 0.8            | 3.7              | 88                       | 19000                | 11950     |
| 3x500                                    | RM/35 | 27.0               | 3.4                  | 2.1                         | 0.8            | 4.0              | 97                       | 22800                | 13650     |

(\*) on request ,other materials including PE,EPR,HFFR&LSZH is available.





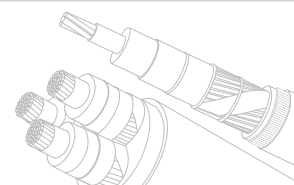
Electrical Characteristics

**XLPE MV POWER CABLES U0/U(Um)=6/10(12) KV**

| Conductor & Screen Nominal Cross Section                        |       | Max DC Resistance of Conductor at 20°C | Effective AC Resistance of Conductor at 90°C                                      |                                                                                   | Inductance                                                                        |                                                                                     | Capacitance |
|-----------------------------------------------------------------|-------|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|
| mm <sup>2</sup>                                                 |       | Ω/Km                                   | Ω/Km                                                                              |                                                                                   | mH/Km                                                                             |                                                                                     | μF/Km       |
|                                                                 |       |                                        |  |  |  |  |             |
| <b>COPPER CONDUCTOR CABLES (N2XSy)</b>                          |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 1x35                                                            | RM/16 | 0.524                                  | 0.672                                                                             | 0.687                                                                             | 0.455                                                                             | 0.747                                                                               | 0.212       |
| 1x50                                                            | RM/16 | 0.387                                  | 0.497                                                                             | 0.511                                                                             | 0.434                                                                             | 0.719                                                                               | 0.233       |
| 1x70                                                            | RM/16 | 0.268                                  | 0.345                                                                             | 0.359                                                                             | 0.409                                                                             | 0.685                                                                               | 0.270       |
| 1x95                                                            | RM/16 | 0.193                                  | 0.250                                                                             | 0.262                                                                             | 0.391                                                                             | 0.659                                                                               | 0.301       |
| 1x120                                                           | RM/16 | 0.153                                  | 0.199                                                                             | 0.211                                                                             | 0.377                                                                             | 0.638                                                                               | 0.323       |
| 1x150                                                           | RM/25 | 0.124                                  | 0.164                                                                             | 0.181                                                                             | 0.364                                                                             | 0.613                                                                               | 0.354       |
| 1x185                                                           | RM/25 | 0.0991                                 | 0.132                                                                             | 0.149                                                                             | 0.353                                                                             | 0.595                                                                               | 0.385       |
| 1x240                                                           | RM/25 | 0.0754                                 | 0.102                                                                             | 0.117                                                                             | 0.338                                                                             | 0.572                                                                               | 0.428       |
| 1x300                                                           | RM/25 | 0.0601                                 | 0.0831                                                                            | 0.0972                                                                            | 0.329                                                                             | 0.556                                                                               | 0.471       |
| 1x400                                                           | RM/35 | 0.0470                                 | 0.0686                                                                            | 0.0864                                                                            | 0.315                                                                             | 0.526                                                                               | 0.530       |
| 1x500                                                           | RM/35 | 0.0366                                 | 0.0563                                                                            | 0.0724                                                                            | 0.306                                                                             | 0.511                                                                               | 0.591       |
| 1x630                                                           | RM/35 | 0.0283                                 | 0.0432                                                                            | 0.0664                                                                            | 0.292                                                                             | 0.492                                                                               | 0.660       |
| 1x800                                                           | RM/35 | 0.0221                                 | 0.0330                                                                            | 0.0360                                                                            | 0.283                                                                             | 0.485                                                                               | 0.754       |
| 1x1000                                                          | RM/35 | 0.0176                                 | 0.0270                                                                            | 0.0290                                                                            | 0.280                                                                             | 0.472                                                                               | 0.828       |
| <b>ALUMINIUM CONDUCTOR CABLES (NA2XSy)</b>                      |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 1x35                                                            | RM/16 | 0.868                                  | 1.12                                                                              | 1.13                                                                              | 0.455                                                                             | 0.747                                                                               | 0.212       |
| 1x50                                                            | RM/16 | 0.641                                  | 0.825                                                                             | 0.840                                                                             | 0.434                                                                             | 0.719                                                                               | 0.233       |
| 1x70                                                            | RM/16 | 0.443                                  | 0.571                                                                             | 0.585                                                                             | 0.409                                                                             | 0.685                                                                               | 0.270       |
| 1x95                                                            | RM/16 | 0.320                                  | 0.414                                                                             | 0.426                                                                             | 0.391                                                                             | 0.659                                                                               | 0.301       |
| 1x120                                                           | RM/16 | 0.253                                  | 0.328                                                                             | 0.340                                                                             | 0.377                                                                             | 0.638                                                                               | 0.323       |
| 1x150                                                           | RM/25 | 0.206                                  | 0.269                                                                             | 0.287                                                                             | 0.364                                                                             | 0.613                                                                               | 0.354       |
| 1x185                                                           | RM/25 | 0.164                                  | 0.215                                                                             | 0.232                                                                             | 0.353                                                                             | 0.595                                                                               | 0.385       |
| 1x240                                                           | RM/25 | 0.125                                  | 0.166                                                                             | 0.181                                                                             | 0.338                                                                             | 0.572                                                                               | 0.428       |
| 1x300                                                           | RM/25 | 0.100                                  | 0.134                                                                             | 0.148                                                                             | 0.329                                                                             | 0.556                                                                               | 0.471       |
| 1x400                                                           | RM/35 | 0.0778                                 | 0.107                                                                             | 0.126                                                                             | 0.315                                                                             | 0.526                                                                               | 0.530       |
| 1x500                                                           | RM/35 | 0.0605                                 | 0.0857                                                                            | 0.103                                                                             | 0.306                                                                             | 0.511                                                                               | 0.591       |
| 1x630                                                           | RM/35 | 0.0469                                 | 0.0664                                                                            | 0.080                                                                             | 0.292                                                                             | 0.492                                                                               | 0.660       |
| 1x800                                                           | RM/35 | 0.0367                                 | 0.0514                                                                            | 0.0624                                                                            | 0.274                                                                             | 0.485                                                                               | 0.754       |
| 1x1000                                                          | RM/35 | 0.0291                                 | 0.0467                                                                            | 0.0495                                                                            | 0.270                                                                             | 0.472                                                                               | 0.828       |
| <b>COPPER CONDUCTOR CABLES (N2XSEY/N2XSEYRY/N2XSEYBY)</b>       |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 3x35                                                            | RM/16 | 0.524                                  | 0.672                                                                             |                                                                                   | 0.347                                                                             |                                                                                     | 0.225       |
| 3x50                                                            | RM/16 | 0.387                                  | 0.497                                                                             |                                                                                   | 0.331                                                                             |                                                                                     | 0.249       |
| 3x70                                                            | RM/16 | 0.268                                  | 0.345                                                                             |                                                                                   | 0.315                                                                             |                                                                                     | 0.283       |
| 3x95                                                            | RM/16 | 0.193                                  | 0.250                                                                             |                                                                                   | 0.306                                                                             |                                                                                     | 0.315       |
| 3x120                                                           | RM/16 | 0.153                                  | 0.199                                                                             |                                                                                   | 0.296                                                                             |                                                                                     | 0.347       |
| 3x150                                                           | RM/25 | 0.124                                  | 0.164                                                                             |                                                                                   | 0.290                                                                             |                                                                                     | 0.374       |
| 3x185                                                           | RM/25 | 0.0991                                 | 0.132                                                                             |                                                                                   | 0.283                                                                             |                                                                                     | 0.406       |
| 3x240                                                           | RM/25 | 0.0754                                 | 0.102                                                                             |                                                                                   | 0.274                                                                             |                                                                                     | 0.456       |
| 3x300                                                           | RM/25 | 0.0601                                 | 0.0831                                                                            |                                                                                   | 0.268                                                                             |                                                                                     | 0.495       |
| 3x400                                                           | RM/35 | 0.0470                                 | 0.0686                                                                            |                                                                                   | 0.258                                                                             |                                                                                     | 0.558       |
| 3x500                                                           | RM/35 | 0.0366                                 | 0.0563                                                                            |                                                                                   | 0.248                                                                             |                                                                                     | 0.613       |
| <b>ALUMINIUM CONDUCTOR CABLES (NA2XSEY/NA2XSEYRY/NA2XSEYBY)</b> |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 3x35                                                            | RM/16 | 0.868                                  | 1.12                                                                              |                                                                                   | 0.347                                                                             |                                                                                     | 0.225       |
| 3x50                                                            | RM/16 | 0.641                                  | 0.825                                                                             |                                                                                   | 0.331                                                                             |                                                                                     | 0.249       |
| 3x70                                                            | RM/16 | 0.443                                  | 0.571                                                                             |                                                                                   | 0.315                                                                             |                                                                                     | 0.283       |
| 3x95                                                            | RM/16 | 0.320                                  | 0.414                                                                             |                                                                                   | 0.306                                                                             |                                                                                     | 0.315       |
| 3x120                                                           | RM/16 | 0.253                                  | 0.328                                                                             |                                                                                   | 0.296                                                                             |                                                                                     | 0.347       |
| 3x150                                                           | RM/25 | 0.206                                  | 0.269                                                                             |                                                                                   | 0.290                                                                             |                                                                                     | 0.374       |
| 3x185                                                           | RM/25 | 0.164                                  | 0.215                                                                             |                                                                                   | 0.283                                                                             |                                                                                     | 0.406       |
| 3x240                                                           | RM/25 | 0.125                                  | 0.166                                                                             |                                                                                   | 0.274                                                                             |                                                                                     | 0.456       |
| 3x300                                                           | RM/25 | 0.100                                  | 0.134                                                                             |                                                                                   | 0.268                                                                             |                                                                                     | 0.495       |
| 3x400                                                           | RM/35 | 0.0778                                 | 0.107                                                                             |                                                                                   | 0.258                                                                             |                                                                                     | 0.558       |
| 3x500                                                           | RM/35 | 0.0605                                 | 0.0857                                                                            |                                                                                   | 0.248                                                                             |                                                                                     | 0.613       |

SINGLE CORE

THREE CORE

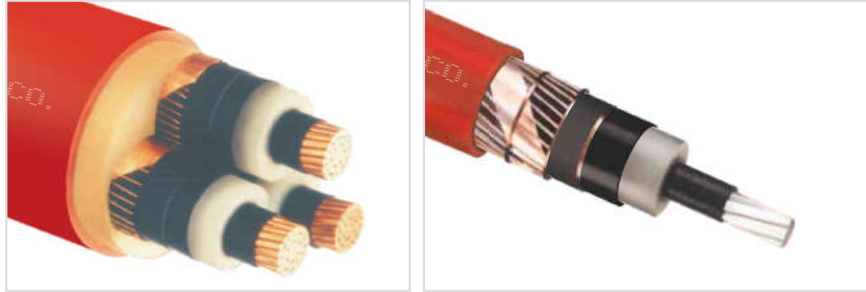


**UNARMoured XLPE MV POWER CABLES** U0/U(Um)=12/20(24)KV

- **Single Core** N2XSY/ NA2XSY
- **Three Core** N2XSEY/ NA2XSEY

- **Standard:**  
IEC 60502-2  
ISIRI 3569-2  
VDE 0276-620

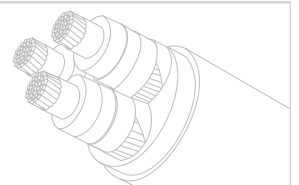
- **Construction :**  
CU or AL/SC/XLPE/SC/SCT/CWT/PET/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Polyester Tape  
Overall Sheath PVC(1)



● **CONSTRUCTIONAL & DESIGN DATA**

| Conductor & Screen Nominal Cross Section |       | Conductor Diameter | Insulation Thickness | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|-------|--------------------|----------------------|------------------|--------------------------|----------------------|-----------|
|                                          |       |                    |                      |                  |                          | Copper               | Aluminium |
| mm²                                      |       | mm                 | mm                   | mm               | mm                       | kg/km                |           |
| 1x35                                     | RM/16 | 6.9                | 5.5                  | 1.8              | 27                       | 945                  | 725       |
| 1x50                                     | RM/16 | 8.1                | 5.5                  | 1.8              | 28                       | 1100                 | 800       |
| 1x70                                     | RM/16 | 9.7                | 5.5                  | 1.9              | 30                       | 1350                 | 910       |
| 1x95                                     | RM/16 | 11.4               | 5.5                  | 1.9              | 31                       | 1650                 | 1050      |
| 1x120                                    | RM/16 | 12.7               | 5.5                  | 2.0              | 33                       | 1920                 | 1200      |
| 1x150                                    | RM/25 | 14.3               | 5.5                  | 2.1              | 35                       | 2220                 | 1300      |
| 1x185                                    | RM/25 | 16.0               | 5.5                  | 2.1              | 36                       | 2630                 | 1470      |
| 1x240                                    | RM/25 | 18.4               | 5.5                  | 2.2              | 39                       | 3250                 | 1720      |
| 1x300                                    | RM/25 | 20.7               | 5.5                  | 2.3              | 41                       | 3890                 | 1970      |
| 1x400                                    | RM/35 | 23.2               | 5.5                  | 2.4              | 44                       | 4880                 | 2540      |
| 1x500                                    | RM/35 | 27.0               | 5.5                  | 2.5              | 48                       | 6000                 | 2980      |
| 1x630                                    | RM/35 | 30.5               | 5.5                  | 2.6              | 52                       | 7450                 | 3500      |
| 1x800                                    | RM/35 | 34.5               | 5.5                  | 2.7              | 56                       | 9200                 | 3900      |
| 1x1000                                   | RM/35 | 39.0               | 5.5                  | 2.8              | 61                       | 11300                | 4900      |
| 3x35                                     | RM/16 | 6.9                | 5.5                  | 2.7              | 56                       | 4500                 | 3858      |
| 3x50                                     | RM/16 | 8.1                | 5.5                  | 2.9              | 60                       | 5215                 | 4345      |
| 3x70                                     | RM/16 | 9.7                | 5.5                  | 3.0              | 64                       | 6180                 | 4932      |
| 3x95                                     | RM/16 | 11.4               | 5.5                  | 3.1              | 67                       | 7280                 | 5546      |
| 3x120                                    | RM/16 | 12.7               | 5.5                  | 3.3              | 70                       | 8370                 | 6186      |
| 3x150                                    | RM/25 | 14.3               | 5.5                  | 3.4              | 76                       | 9700                 | 6997      |
| 3x185                                    | RM/25 | 16.0               | 5.5                  | 3.5              | 79                       | 11280                | 7908      |
| 3x240                                    | RM/25 | 18.4               | 5.5                  | 3.7              | 85                       | 13580                | 9167      |
| 3x300                                    | RM/25 | 20.7               | 5.5                  | 3.9              | 90                       | 16000                | 10474     |
| 3x400                                    | RM/35 | 23.2               | 5.5                  | 4.1              | 95                       | 19900                | 12850     |
| 3x500                                    | RM/35 | 27.0               | 5.5                  | 4.2              | 101                      | 23600                | 14450     |

(1) on request ,other materials including PE,EPR,HFFR&LSZH is available.





## WIRE ARMoured XLPE MV POWER CABLES U0/U(Um)=12/20(24)KV

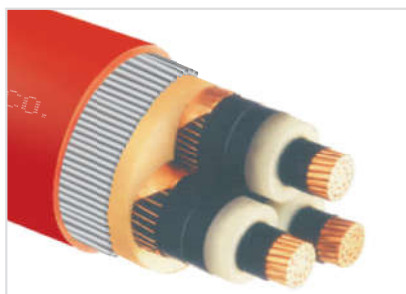
- Aluminium Wire Armoured Single Core N2XSYRY/ NA2XSYRY
- Steel Wire Armoured Three Core N2XSEYRY/ NA2XSEYRY

### Standard:

IEC 60502-2  
ISIRI 3569-2  
VDE 0276-620

### Construction :

CU or AL/SC/XLPE/SC/SCT/CWT/Bd/AWA or SWA/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Sheath PVC  
Wire Armour  
Overall Sheath PVC(\*)



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section |       | Conductor Diameter | Insulation Thickness | Separation Sheath Thickness | Armour Wire Dia. | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|-------|--------------------|----------------------|-----------------------------|------------------|------------------|--------------------------|----------------------|-----------|
| mm <sup>2</sup>                          |       | mm                 | mm                   | mm                          | mm               | mm               | mm                       | Copper               | Aluminium |
|                                          |       |                    |                      |                             |                  |                  |                          | kg/km                |           |
| 1x35                                     | RM/16 | 6.9                | 5.5                  | 1.2                         | 1.6              | 2.0              | 32                       | 1400                 | 1186      |
| 1x50                                     | RM/16 | 8.1                | 5.5                  | 1.2                         | 2.0              | 2.1              | 35                       | 1660                 | 1370      |
| 1x70                                     | RM/16 | 9.7                | 5.5                  | 1.2                         | 2.0              | 2.1              | 37                       | 1950                 | 1534      |
| 1x95                                     | RM/16 | 11.4               | 5.5                  | 1.2                         | 2.0              | 2.2              | 38                       | 2280                 | 1702      |
| 1x120                                    | RM/16 | 12.7               | 5.5                  | 1.2                         | 2.0              | 2.2              | 40                       | 2590                 | 1862      |
| 1x150                                    | RM/25 | 14.3               | 5.5                  | 1.2                         | 2.0              | 2.3              | 41                       | 2940                 | 2639      |
| 1x185                                    | RM/25 | 16.0               | 5.5                  | 1.2                         | 2.0              | 2.3              | 43                       | 3450                 | 2326      |
| 1x240                                    | RM/25 | 18.4               | 5.5                  | 1.3                         | 2.5              | 2.5              | 47                       | 4150                 | 2679      |
| 1x300                                    | RM/25 | 20.7               | 5.5                  | 1.3                         | 2.5              | 2.5              | 49                       | 4900                 | 3058      |
| 1x400                                    | RM/35 | 23.2               | 5.5                  | 1.4                         | 2.5              | 2.6              | 53                       | 6100                 | 3750      |
| 1x500                                    | RM/35 | 27.0               | 5.5                  | 1.4                         | 2.5              | 2.8              | 57                       | 7100                 | 4050      |
| 1x630                                    | RM/35 | 30.5               | 5.5                  | 1.5                         | 2.5              | 2.9              | 60                       | 8700                 | 4800      |
|                                          |       |                    |                      |                             |                  |                  |                          |                      |           |
| 3x35                                     | RM/16 | 6.9                | 5.5                  | 1.5                         | 2.5              | 3.1              | 63                       | 6700                 | 6058      |
| 3x50                                     | RM/16 | 8.1                | 5.5                  | 1.6                         | 3.15             | 3.1              | 66                       | 7520                 | 6650      |
| 3x70                                     | RM/16 | 9.7                | 5.5                  | 1.7                         | 3.15             | 3.3              | 71                       | 8600                 | 7352      |
| 3x95                                     | RM/16 | 11.4               | 5.5                  | 1.7                         | 3.15             | 3.4              | 75                       | 10760                | 9026      |
| 3x120                                    | RM/16 | 12.7               | 5.5                  | 1.8                         | 3.15             | 3.4              | 78                       | 12070                | 9886      |
| 3x150                                    | RM/25 | 14.3               | 5.5                  | 1.8                         | 3.15             | 3.5              | 83                       | 13400                | 10697     |
| 3x185                                    | RM/25 | 16.0               | 5.5                  | 1.9                         | 3.15             | 3.6              | 87                       | 15230                | 11858     |
| 3x240                                    | RM/25 | 18.4               | 5.5                  | 2.0                         | 3.15             | 3.8              | 93                       | 19180                | 14767     |
| 3x300                                    | RM/25 | 20.7               | 5.5                  | 2.1                         | 3.15             | 4.1              | 98                       | 22600                | 17074     |
| 3x400                                    | RM/35 | 23.2               | 5.5                  | 2.2                         | 4.0              | 4.4              | 106                      | 25700                | 18650     |
| 3x500                                    | RM/35 | 27.0               | 5.5                  | 2.3                         | 4.0              | 4.6              | 112                      | 29800                | 20650     |

(\*) on request ,other materials including PE,EPR,HFFR & LSZH is available.

3.6/6 KV

UN ARMoured

6/10 KV

WIRE ARMoured

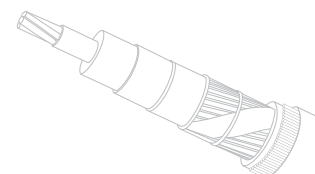
12/20 KV

TAPE ARMoured

18/30 KV

ELECTRICAL CHARACTERISTICS

36/63 KV



**TAPE ARMoured XLPE MV POWER CABLES  $U_0/U(U_m)=12/20(24)KV$**

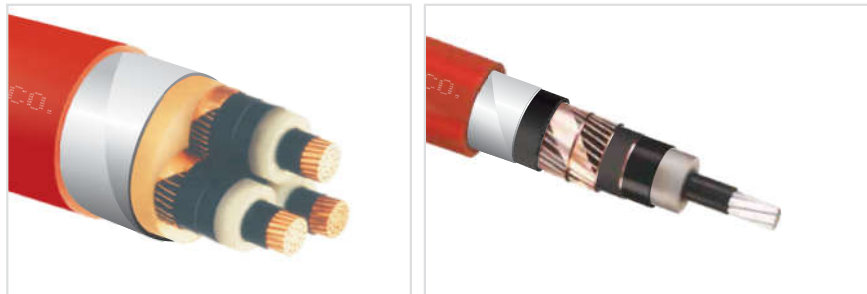
- **Aluminium Tape Armoured Single Core N2XSYBY/ NA2XSYBY**
- **Steel Tape Armoured Three Core N2XSEYBY/ NA2XSEYBY**

● **Standard:**

IEC 60502-2  
ISIRI 3569-2  
VDE 0276-620

● **Construction :**

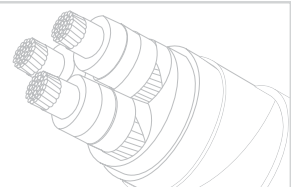
CU or AL/SC/XLPE/SC/SCT/CWT/Bd/ATA or STA/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Sheath PVC  
Double Tape Armour  
Overall Sheath PVC (\*)



● **CONSTRUCTIONAL & DESIGN DATA**

| Conductor & Screen Nominal Cross Section |       | Conductor Diameter | Insulation Thickness | Separation Sheath Thickness | Tape Thickness | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|-------|--------------------|----------------------|-----------------------------|----------------|------------------|--------------------------|----------------------|-----------|
|                                          |       |                    |                      |                             |                |                  |                          | Copper               | Aluminium |
| mm <sup>2</sup>                          |       | mm                 | mm                   | mm                          | mm             | mm               | mm                       | kg/km                |           |
| 1x35                                     | RM/16 | 6.9                | 5.5                  | 1.2                         | 0.5            | 1.9              | 31                       | 1280                 | 1066      |
| 1x50                                     | RM/16 | 8.1                | 5.5                  | 1.2                         | 0.5            | 2.0              | 33                       | 1450                 | 1160      |
| 1x70                                     | RM/16 | 9.7                | 5.5                  | 1.2                         | 0.5            | 2.0              | 34                       | 1700                 | 1284      |
| 1x95                                     | RM/16 | 11.4               | 5.5                  | 1.2                         | 0.5            | 2.1              | 36                       | 2050                 | 1472      |
| 1x120                                    | RM/16 | 12.7               | 5.5                  | 1.2                         | 0.5            | 2.1              | 38                       | 2320                 | 1592      |
| 1x150                                    | RM/25 | 14.3               | 5.5                  | 1.2                         | 0.5            | 2.2              | 39                       | 2770                 | 1869      |
| 1x185                                    | RM/25 | 16.0               | 5.5                  | 1.2                         | 0.5            | 2.2              | 41                       | 3170                 | 2046      |
| 1x240                                    | RM/25 | 18.4               | 5.5                  | 1.3                         | 0.5            | 2.4              | 44                       | 3850                 | 2379      |
| 1x300                                    | RM/25 | 20.7               | 5.5                  | 1.3                         | 0.5            | 2.4              | 46                       | 4530                 | 2688      |
| 1x400                                    | RM/35 | 23.2               | 5.5                  | 1.4                         | 0.5            | 2.5              | 50                       | 5500                 | 3150      |
| 1x500                                    | RM/35 | 27.0               | 5.5                  | 1.4                         | 0.5            | 2.6              | 53                       | 6700                 | 3650      |
| 1x630                                    | RM/35 | 30.5               | 5.5                  | 1.5                         | 0.5            | 2.7              | 57                       | 8200                 | 4260      |
|                                          |       |                    |                      |                             |                |                  |                          |                      |           |
| 3x35                                     | RM/16 | 6.9                | 5.5                  | 1.5                         | 0.5            | 2.9              | 60                       | 5080                 | 4438      |
| 3x50                                     | RM/16 | 8.1                | 5.5                  | 1.6                         | 0.5            | 3.0              | 62                       | 5840                 | 7670      |
| 3x70                                     | RM/16 | 9.7                | 5.5                  | 1.7                         | 0.5            | 3.1              | 67                       | 6860                 | 5612      |
| 3x95                                     | RM/16 | 11.4               | 5.5                  | 1.7                         | 0.5            | 3.2              | 71                       | 8000                 | 6266      |
| 3x120                                    | RM/16 | 12.7               | 5.5                  | 1.8                         | 0.5            | 3.3              | 74                       | 9150                 | 6966      |
| 3x150                                    | RM/25 | 14.3               | 5.5                  | 1.8                         | 0.5            | 3.4              | 78                       | 10400                | 7697      |
| 3x185                                    | RM/25 | 16.0               | 5.5                  | 1.9                         | 0.8            | 3.6              | 82                       | 12000                | 8628      |
| 3x240                                    | RM/25 | 18.4               | 5.5                  | 2.0                         | 0.8            | 3.8              | 89                       | 15300                | 10887     |
| 3x300                                    | RM/25 | 20.7               | 5.5                  | 2.1                         | 0.8            | 4.0              | 94                       | 17500                | 11974     |
| 3x400                                    | RM/35 | 23.2               | 5.5                  | 2.2                         | 0.8            | 4.1              | 101                      | 20800                | 13750     |
| 3x500                                    | RM/35 | 27.0               | 5.5                  | 2.3                         | 0.8            | 4.3              | 109                      | 25000                | 15850     |

(\*) on request ,other materials including PE,EPR,HFFR & LSZH is available.



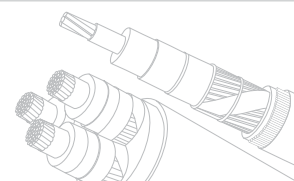
Electrical Characteristics

**XLPE MV POWER CABLES U0/U(Um)=12/20(24) KV**

| Conductor & Screen Nominal Cross Section                                                                                  |       | Max DC Resistance of Conductor at 20°C | Effective AC Resistance of Conductor at 90°C                                      |                                                                                   | Inductance                                                                        |                                                                                     | Capacitance |
|---------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|
| mm <sup>2</sup>                                                                                                           |       | Ω/Km                                   | Ω/Km                                                                              |                                                                                   | mH/Km                                                                             |                                                                                     | μF/Km       |
|                                                                                                                           |       |                                        |  |  |  |  |             |
| COPPER CONDUCTOR CABLES (N2XS <sub>Y</sub> )                                                                              |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 1x35                                                                                                                      | RM/16 | 0.524                                  | 0.671                                                                             | 0.685                                                                             | 0.488                                                                             | 0.757                                                                               | 0.159       |
| 1x50                                                                                                                      | RM/16 | 0.387                                  | 0.497                                                                             | 0.509                                                                             | 0.465                                                                             | 0.729                                                                               | 0.175       |
| 1x70                                                                                                                      | RM/16 | 0.268                                  | 0.345                                                                             | 0.357                                                                             | 0.438                                                                             | 0.695                                                                               | 0.196       |
| 1x95                                                                                                                      | RM/16 | 0.193                                  | 0.249                                                                             | 0.261                                                                             | 0.419                                                                             | 0.668                                                                               | 0.216       |
| 1x120                                                                                                                     | RM/16 | 0.153                                  | 0.198                                                                             | 0.209                                                                             | 0.403                                                                             | 0.645                                                                               | 0.235       |
| 1x150                                                                                                                     | RM/25 | 0.124                                  | 0.163                                                                             | 0.179                                                                             | 0.389                                                                             | 0.622                                                                               | 0.254       |
| 1x185                                                                                                                     | RM/25 | 0.0991                                 | 0.132                                                                             | 0.147                                                                             | 0.377                                                                             | 0.605                                                                               | 0.273       |
| 1x240                                                                                                                     | RM/25 | 0.0754                                 | 0.102                                                                             | 0.116                                                                             | 0.361                                                                             | 0.581                                                                               | 0.304       |
| 1x300                                                                                                                     | RM/25 | 0.0601                                 | 0.0827                                                                            | 0.0958                                                                            | 0.350                                                                             | 0.565                                                                               | 0.329       |
| 1x400                                                                                                                     | RM/35 | 0.0470                                 | 0.0681                                                                            | 0.0848                                                                            | 0.335                                                                             | 0.536                                                                               | 0.368       |
| 1x500                                                                                                                     | RM/35 | 0.0366                                 | 0.0557                                                                            | 0.0709                                                                            | 0.326                                                                             | 0.519                                                                               | 0.402       |
| 1x630                                                                                                                     | RM/35 | 0.0283                                 | 0.0432                                                                            | 0.0602                                                                            | 0.311                                                                             | 0.485                                                                               | 0.473       |
| ALUMINIUM CONDUCTOR CABLES (NA2XS <sub>Y</sub> )                                                                          |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 1x35                                                                                                                      | RM/16 | 0.868                                  | 1.12                                                                              | 1.13                                                                              | 0.488                                                                             | 0.757                                                                               | 0.159       |
| 1x50                                                                                                                      | RM/16 | 0.641                                  | 0.825                                                                             | 0.840                                                                             | 0.465                                                                             | 0.729                                                                               | 0.175       |
| 1x70                                                                                                                      | RM/16 | 0.443                                  | 0.571                                                                             | 0.585                                                                             | 0.438                                                                             | 0.695                                                                               | 0.196       |
| 1x95                                                                                                                      | RM/16 | 0.320                                  | 0.414                                                                             | 0.426                                                                             | 0.419                                                                             | 0.668                                                                               | 0.216       |
| 1x120                                                                                                                     | RM/16 | 0.253                                  | 0.328                                                                             | 0.340                                                                             | 0.403                                                                             | 0.645                                                                               | 0.235       |
| 1x150                                                                                                                     | RM/25 | 0.206                                  | 0.269                                                                             | 0.287                                                                             | 0.389                                                                             | 0.622                                                                               | 0.254       |
| 1x185                                                                                                                     | RM/25 | 0.164                                  | 0.215                                                                             | 0.232                                                                             | 0.377                                                                             | 0.605                                                                               | 0.273       |
| 1x240                                                                                                                     | RM/25 | 0.125                                  | 0.166                                                                             | 0.181                                                                             | 0.361                                                                             | 0.581                                                                               | 0.304       |
| 1x300                                                                                                                     | RM/25 | 0.100                                  | 0.134                                                                             | 0.148                                                                             | 0.350                                                                             | 0.565                                                                               | 0.329       |
| 1x400                                                                                                                     | RM/35 | 0.0778                                 | 0.107                                                                             | 0.126                                                                             | 0.335                                                                             | 0.536                                                                               | 0.368       |
| 1x500                                                                                                                     | RM/35 | 0.0605                                 | 0.0857                                                                            | 0.103                                                                             | 0.326                                                                             | 0.519                                                                               | 0.402       |
| 1x630                                                                                                                     | RM/35 | 0.0469                                 | 0.0664                                                                            | 0.080                                                                             | 0.311                                                                             | 0.485                                                                               | 0.473       |
| COPPER CONDUCTOR CABLES (N2XSE <sub>Y</sub> /N2XSE <sub>Y</sub> R <sub>Y</sub> /N2XSE <sub>Y</sub> B <sub>Y</sub> )       |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 3x35                                                                                                                      | RM/16 | 0.524                                  | 0.671                                                                             |                                                                                   | 0.382                                                                             |                                                                                     | 0.159       |
| 3x50                                                                                                                      | RM/16 | 0.387                                  | 0.497                                                                             |                                                                                   | 0.369                                                                             |                                                                                     | 0.175       |
| 3x70                                                                                                                      | RM/16 | 0.268                                  | 0.345                                                                             |                                                                                   | 0.350                                                                             |                                                                                     | 0.196       |
| 3x95                                                                                                                      | RM/16 | 0.193                                  | 0.249                                                                             |                                                                                   | 0.341                                                                             |                                                                                     | 0.216       |
| 3x120                                                                                                                     | RM/16 | 0.153                                  | 0.199                                                                             |                                                                                   | 0.328                                                                             |                                                                                     | 0.235       |
| 3x150                                                                                                                     | RM/25 | 0.124                                  | 0.163                                                                             |                                                                                   | 0.322                                                                             |                                                                                     | 0.254       |
| 3x185                                                                                                                     | RM/25 | 0.0991                                 | 0.132                                                                             |                                                                                   | 0.309                                                                             |                                                                                     | 0.273       |
| 3x240                                                                                                                     | RM/25 | 0.0754                                 | 0.102                                                                             |                                                                                   | 0.299                                                                             |                                                                                     | 0.304       |
| 3x300                                                                                                                     | RM/25 | 0.0601                                 | 0.0827                                                                            |                                                                                   | 0.290                                                                             |                                                                                     | 0.329       |
| 3x400                                                                                                                     | RM/35 | 0.0470                                 | 0.0681                                                                            |                                                                                   | 0.280                                                                             |                                                                                     | 0.368       |
| 3x500                                                                                                                     | RM/35 | 0.0366                                 | 0.0557                                                                            |                                                                                   | 0.271                                                                             |                                                                                     | 0.402       |
| ALUMINIUM CONDUCTOR CABLES (NA2XSE <sub>Y</sub> /NA2XSE <sub>Y</sub> R <sub>Y</sub> /NA2XSE <sub>Y</sub> B <sub>Y</sub> ) |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 3x35                                                                                                                      | RM/16 | 0.868                                  | 1.12                                                                              |                                                                                   | 0.382                                                                             |                                                                                     | 0.159       |
| 3x50                                                                                                                      | RM/16 | 0.641                                  | 0.825                                                                             |                                                                                   | 0.369                                                                             |                                                                                     | 0.175       |
| 3x70                                                                                                                      | RM/16 | 0.443                                  | 0.571                                                                             |                                                                                   | 0.350                                                                             |                                                                                     | 0.196       |
| 3x95                                                                                                                      | RM/16 | 0.320                                  | 0.413                                                                             |                                                                                   | 0.341                                                                             |                                                                                     | 0.216       |
| 3x120                                                                                                                     | RM/16 | 0.253                                  | 0.328                                                                             |                                                                                   | 0.328                                                                             |                                                                                     | 0.235       |
| 3x150                                                                                                                     | RM/25 | 0.206                                  | 0.269                                                                             |                                                                                   | 0.322                                                                             |                                                                                     | 0.254       |
| 3x185                                                                                                                     | RM/25 | 0.164                                  | 0.215                                                                             |                                                                                   | 0.309                                                                             |                                                                                     | 0.273       |
| 3x240                                                                                                                     | RM/25 | 0.125                                  | 0.165                                                                             |                                                                                   | 0.299                                                                             |                                                                                     | 0.304       |
| 3x300                                                                                                                     | RM/25 | 0.100                                  | 0.133                                                                             |                                                                                   | 0.290                                                                             |                                                                                     | 0.329       |
| 3x400                                                                                                                     | RM/35 | 0.0778                                 | 0.107                                                                             |                                                                                   | 0.280                                                                             |                                                                                     | 0.368       |
| 3x500                                                                                                                     | RM/35 | 0.0605                                 | 0.0852                                                                            |                                                                                   | 0.271                                                                             |                                                                                     | 0.402       |

SINGLE CORE

THREE CORE





## UNARMoured XLPE MV POWER CABLES U<sub>0</sub>/U(U<sub>m</sub>)=18/30(36)KV

- **Single Core** N2XSY/ NA2XSY
- **Three Core** N2XSEY/ NA2XSEY

- **Standard:**  
IEC 60502-2  
ISIRI 3569-2  
VDE 0276-620

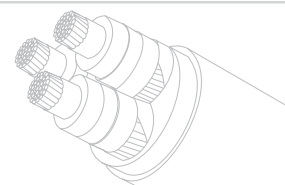
- **Construction :**  
CU or AL/SC/XLPE/SC/SCT/CWT/PET/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Polyester Tape  
Overall Sheath PVC<sup>(1)</sup>



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section | Conductor Diameter | Insulation Thickness | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|--------------------|----------------------|------------------|--------------------------|----------------------|-----------|
|                                          |                    |                      |                  |                          | Copper               | Aluminium |
| mm <sup>2</sup>                          | mm                 | mm                   | mm               | mm                       | kg/km                |           |
| 1x35 RM/16                               | 6.9                | 8                    | 2.0              | 32                       | 1110                 | 970       |
| 1x50 RM/16                               | 8.1                | 8                    | 2.0              | 33                       | 1380                 | 1070      |
| 1x70 RM/16                               | 9.7                | 8                    | 2.1              | 35                       | 1630                 | 1200      |
| 1x95 RM/16                               | 11.4               | 8                    | 2.1              | 37                       | 1950                 | 1350      |
| 1x120 RM/16                              | 12.7               | 8                    | 2.2              | 38                       | 2230                 | 1480      |
| 1x150 RM/25                              | 14.3               | 8                    | 2.2              | 40                       | 2550                 | 1630      |
| 1x185 RM/25                              | 16.0               | 8                    | 2.3              | 42                       | 2950                 | 1800      |
| 1x240 RM/25                              | 18.4               | 8                    | 2.4              | 44                       | 3600                 | 2100      |
| 1x300 RM/25                              | 20.7               | 8                    | 2.5              | 47                       | 4300                 | 2380      |
| 1x400 RM/35                              | 23.2               | 8                    | 2.6              | 50                       | 5200                 | 2750      |
| 1x500 RM/35                              | 27.0               | 8                    | 2.7              | 54                       | 6350                 | 3200      |
| 1x630 RM/35                              | 30.5               | 8                    | 2.8              | 58                       | 7800                 | 3800      |
| 1x800 RM/35                              | 34.5               | 8                    | 2.9              | 62                       | 9600                 | 4450      |
| 1x1000 RM/35                             | 39.0               | 8                    | 3.0              | 67                       | 11800                | 5300      |
| 3x35 RM/16                               | 6.9                | 8                    | 3.0              | 68                       | 6050                 | 5408      |
| 3x50 RM/16                               | 8.1                | 8                    | 3.2              | 71                       | 6890                 | 6020      |
| 3x70 RM/16                               | 9.7                | 8                    | 3.3              | 74                       | 7970                 | 6722      |
| 3x95 RM/16                               | 11.4               | 8                    | 3.5              | 78                       | 9160                 | 7426      |
| 3x120 RM/16                              | 12.7               | 8                    | 3.6              | 82                       | 10370                | 8186      |
| 3x150 RM/25                              | 14.3               | 8                    | 3.6              | 86                       | 11600                | 8897      |
| 3x185 RM/25                              | 16.0               | 8                    | 3.9              | 90                       | 13200                | 9828      |
| 3x240 RM/25                              | 18.4               | 8                    | 4.0              | 95                       | 15860                | 11447     |
| 3x300 RM/25                              | 20.7               | 8                    | 4.2              | 100                      | 18100                | 12574     |
| 3x400 RM/35                              | 23.2               | 8                    | 4.4              | 108                      | 21300                | 14250     |
| 3x500 RM/35                              | 27.0               | 8                    | 4.6              | 116                      | 25900                | 16750     |

☎ request ,other materials including PE,EPR,HFFR&LSZH is available.







## WIRE ARMoured XLPE MV POWER CABLES U0/U(Um)=18/30(36)KV

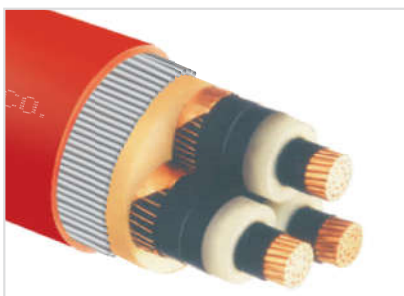
- Aluminium Wire Armoured Single Core N2XSYRY/ NA2XSYRY
- Steel Wire Armoured Three Core N2XSEYRY/ NA2XSEYRY

### Standard:

IEC 60502-2  
ISIRI 3569-2  
VDE 0276-620

### Construction :

CU or AL/SC/XLPE/SC/SCT/CWT/Bd/AWA or SWA/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Sheath PVC  
Wire Armour  
Overall Sheath PVC<sup>(1)</sup>



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section |       | Conductor Diameter | Insulation Thickness | Separation Sheath Thickness | Armour Wire Dia. | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|-------|--------------------|----------------------|-----------------------------|------------------|------------------|--------------------------|----------------------|-----------|
|                                          |       |                    |                      |                             |                  |                  |                          | Copper               | Aluminium |
| mm <sup>2</sup>                          |       | mm                 | mm                   | mm                          | mm               | mm               | mm                       | kg/km                |           |
| 1x35                                     | RM/16 | 6.9                | 8                    | 1.2                         | 2.0              | 2.1              | 39                       | 1710                 | 1400      |
| 1x50                                     | RM/16 | 8.1                | 8                    | 1.2                         | 2.0              | 2.2              | 40                       | 2050                 | 1750      |
| 1x70                                     | RM/16 | 9.7                | 8                    | 1.2                         | 2.0              | 2.3              | 42                       | 2350                 | 1940      |
| 1x95                                     | RM/16 | 11.4               | 8                    | 1.2                         | 2.0              | 2.3              | 44                       | 2700                 | 2100      |
| 1x120                                    | RM/16 | 12.7               | 8                    | 1.3                         | 2.5              | 2.4              | 45                       | 3190                 | 2440      |
| 1x150                                    | RM/25 | 14.3               | 8                    | 1.3                         | 2.5              | 2.5              | 48                       | 3650                 | 2730      |
| 1x185                                    | RM/25 | 16.0               | 8                    | 1.3                         | 2.5              | 2.5              | 50                       | 4100                 | 2950      |
| 1x240                                    | RM/25 | 18.4               | 8                    | 1.4                         | 2.5              | 2.6              | 53                       | 4850                 | 3350      |
| 1x300                                    | RM/25 | 20.7               | 8                    | 1.4                         | 2.5              | 2.7              | 55                       | 5550                 | 3650      |
| 1x400                                    | RM/35 | 23.2               | 8                    | 1.5                         | 2.5              | 2.8              | 58                       | 6600                 | 4150      |
| 1x500                                    | RM/35 | 27.0               | 8                    | 1.5                         | 2.5              | 3.0              | 63                       | 7800                 | 4700      |
| 1x630                                    | RM/35 | 30.5               | 8                    | 1.6                         | 3.15             | 3.2              | 69                       | 8900                 | 7960      |
| 3x35                                     | RM/16 | 6.9                | 8                    | 1.8                         | 3.15             | 3.4              | 78                       | 11500                | 10858     |
| 3x50                                     | RM/16 | 8.1                | 8                    | 1.8                         | 3.15             | 3.5              | 79                       | 12540                | 11670     |
| 3x70                                     | RM/16 | 9.7                | 8                    | 1.9                         | 3.15             | 3.6              | 83                       | 13800                | 12552     |
| 3x95                                     | RM/16 | 11.4               | 8                    | 1.9                         | 3.15             | 3.7              | 87                       | 15630                | 13896     |
| 3x120                                    | RM/16 | 12.7               | 8                    | 2.0                         | 4.0              | 3.9              | 93                       | 16840                | 14656     |
| 3x150                                    | RM/25 | 14.3               | 8                    | 2.1                         | 4.0              | 4.0              | 96                       | 19000                | 16297     |
| 3x185                                    | RM/25 | 16.0               | 8                    | 2.1                         | 4.0              | 4.1              | 100                      | 22020                | 18648     |
| 3x240                                    | RM/25 | 18.4               | 8                    | 2.2                         | 4.0              | 4.3              | 106                      | 23500                | 19087     |
| 3x300                                    | RM/25 | 20.7               | 8                    | 2.3                         | 4.0              | 4.5              | 113                      | 26500                | 20974     |
| 3x400                                    | RM/35 | 23.2               | 8                    | 2.4                         | 5.0              | 4.8              | 121                      | 33800                | 26750     |
| 3x500                                    | RM/35 | 27.0               | 8                    | 2.5                         | 5.0              | 5                | 130                      | 39500                | 30350     |

(<sup>1</sup>) on request ,other materials including PE,EPR,HFFR & LSZH is available.

3.6/6 KV

UN ARMoured

6/10 KV

WIRE ARMoured

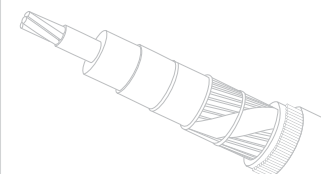
12/20 KV

TAPE ARMoured

18/30 KV

ELECTRICAL CHARACTERISTICS

36/63 KV

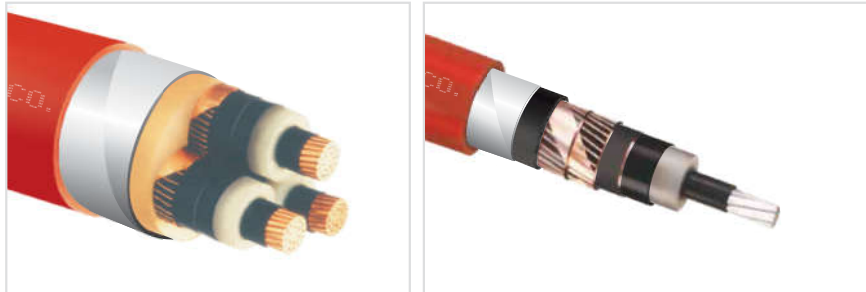


**TAPE ARMoured XLPE MV POWER CABLES U0/U(Um)=18/30(36)KV**

- Aluminium Tape Armoured Single Core N2XSYBY/ NA2XSYBY
- Steel Tape Armoured Three Core N2XSEYBY/ NA2XSEYBY

- Standard:**  
IEC 60502-2  
ISIRI 3569-2  
VDE 0276-620

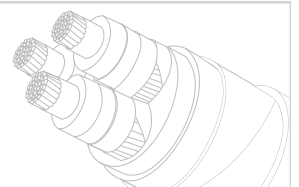
- Construction :**  
CU or AL/SC/XLPE/SC/SCT/CWT/Bd/ATA or STA/PVC  
Stranded & Compacted Copper or Aluminium Conductor  
Conductor Screen of Semi-Conducting Compound  
Dry Cured XLPE Insulation  
Insulation Screen of Semi-Conducting Compound  
Semi-Conducting Bedding Tape  
Copper Wire Screen + Equalizing Cu Tape  
Separation Sheath PVC  
Double Tape Armour  
Overall Sheath PVC (\*)



**CONSTRUCTIONAL & DESIGN DATA**

| Conductor & Screen Nominal Cross Section |       | Conductor Diameter | Insulation Thickness | Separation Sheath Thickness | Tape Thickness | Sheath Thickness | Approx. Overall Diameter | Approx. Cable Weight |           |
|------------------------------------------|-------|--------------------|----------------------|-----------------------------|----------------|------------------|--------------------------|----------------------|-----------|
| mm <sup>2</sup>                          |       | mm                 | mm                   | mm                          | mm             | mm               | mm                       | Copper               | Aluminium |
|                                          |       |                    |                      |                             |                |                  |                          | kg/km                |           |
| 1x35                                     | RM/16 | 6.9                | 8                    | 1.2                         | 0.5            | 0.5              | 36                       | 1490                 | 1250      |
| 1x50                                     | RM/16 | 8.1                | 8                    | 1.2                         | 0.5            | 0.5              | 38                       | 1780                 | 1390      |
| 1x70                                     | RM/16 | 9.7                | 8                    | 1.2                         | 0.5            | 0.5              | 40                       | 2060                 | 1550      |
| 1x95                                     | RM/16 | 11.4               | 8                    | 1.2                         | 0.5            | 0.5              | 41                       | 2400                 | 1700      |
| 1x120                                    | RM/16 | 12.7               | 8                    | 1.3                         | 0.5            | 0.5              | 43                       | 2730                 | 1900      |
| 1x150                                    | RM/25 | 14.3               | 8                    | 1.3                         | 0.5            | 0.5              | 45                       | 3150                 | 2230      |
| 1x185                                    | RM/25 | 16.0               | 8                    | 1.3                         | 0.5            | 0.5              | 47                       | 3600                 | 2450      |
| 1x240                                    | RM/25 | 18.4               | 8                    | 1.4                         | 0.5            | 0.5              | 49                       | 4330                 | 2800      |
| 1x300                                    | RM/25 | 20.7               | 8                    | 1.4                         | 0.5            | 0.5              | 52                       | 5000                 | 3100      |
| 1x400                                    | RM/35 | 23.2               | 8                    | 1.5                         | 0.5            | 0.5              | 55                       | 6000                 | 3580      |
| 1x500                                    | RM/35 | 27.0               | 8                    | 1.5                         | 0.5            | 0.5              | 59                       | 7200                 | 4100      |
| 1x630                                    | RM/35 | 30.5               | 8                    | 1.6                         | 0.5            | 0.5              | 62                       | 8500                 | 4560      |
|                                          |       |                    |                      |                             |                |                  |                          |                      |           |
| 3x35                                     | RM/16 | 6.9                | 8                    | 1.8                         | 0.5            | 3.3              | 74                       | 7250                 | 6608      |
| 3x50                                     | RM/16 | 8.1                | 8                    | 1.8                         | 0.5            | 3.4              | 75                       | 8140                 | 7270      |
| 3x70                                     | RM/16 | 9.7                | 8                    | 1.9                         | 0.5            | 3.5              | 79                       | 10050                | 8802      |
| 3x95                                     | RM/16 | 11.4               | 8                    | 1.9                         | 0.8            | 3.6              | 84                       | 11340                | 4606      |
| 3x120                                    | RM/16 | 12.7               | 8                    | 2.0                         | 0.8            | 3.7              | 87                       | 12650                | 10466     |
| 3x150                                    | RM/25 | 14.3               | 8                    | 2.1                         | 0.8            | 3.8              | 91                       | 13950                | 11247     |
| 3x185                                    | RM/25 | 16.0               | 8                    | 2.1                         | 0.8            | 4.0              | 95                       | 15650                | 12278     |
| 3x240                                    | RM/25 | 18.4               | 8                    | 2.2                         | 0.8            | 4.2              | 101                      | 18490                | 14077     |
| 3x300                                    | RM/25 | 20.7               | 8                    | 2.3                         | 0.8            | 4.3              | 106                      | 21200                | 15674     |
| 3x400                                    | RM/35 | 23.2               | 8                    | 2.4                         | 0.8            | 4.5              | 113                      | 25000                | 18000     |
| 3x500                                    | RM/35 | 27.0               | 8                    | 2.5                         | 0.8            | 4.6              | 119                      | 29000                | 19850     |

(\*) on request ,other materials including PE,EPR,HFFR & LSZH is available.



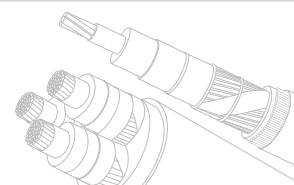
Electrical Characteristics

**XLPE MV POWER CABLES U0/U(Um)=18/30(36) KV**

| Conductor & Screen Nominal Cross Section                        |       | Max DC Resistance of Conductor at 20°C | Effective AC Resistance of Conductor at 90°C                                      |                                                                                   | Inductance                                                                        |                                                                                     | Capacitance |
|-----------------------------------------------------------------|-------|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------|
| mm <sup>2</sup>                                                 |       | Ω/Km                                   | Ω/Km                                                                              |                                                                                   | mH/Km                                                                             |                                                                                     | μF/Km       |
|                                                                 |       |                                        |  |  |  |  |             |
| <b>COPPER CONDUCTOR CABLES (N2XSY)</b>                          |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 1x35                                                            | RM/16 | 0.524                                  | 0.671                                                                             | 0.683                                                                             | 0.521                                                                             | 0.768                                                                               | 0.212       |
| 1x50                                                            | RM/16 | 0.387                                  | 0.496                                                                             | 0.508                                                                             | 0.496                                                                             | 0.740                                                                               | 0.233       |
| 1x70                                                            | RM/16 | 0.268                                  | 0.345                                                                             | 0.355                                                                             | 0.468                                                                             | 0.705                                                                               | 0.270       |
| 1x95                                                            | RM/16 | 0.193                                  | 0.249                                                                             | 0.259                                                                             | 0.474                                                                             | 0.678                                                                               | 0.301       |
| 1x120                                                           | RM/16 | 0.153                                  | 0.198                                                                             | 0.208                                                                             | 0.430                                                                             | 0.656                                                                               | 0.323       |
| 1x150                                                           | RM/25 | 0.124                                  | 0.163                                                                             | 0.177                                                                             | 0.415                                                                             | 0.632                                                                               | 0.354       |
| 1x185                                                           | RM/25 | 0.0991                                 | 0.131                                                                             | 0.145                                                                             | 0.402                                                                             | 0.615                                                                               | 0.385       |
| 1x240                                                           | RM/25 | 0.0754                                 | 0.101                                                                             | 0.114                                                                             | 0.384                                                                             | 0.591                                                                               | 0.428       |
| 1x300                                                           | RM/25 | 0.0601                                 | 0.0823                                                                            | 0.0944                                                                            | 0.373                                                                             | 0.575                                                                               | 0.471       |
| 1x400                                                           | RM/35 | 0.0470                                 | 0.0677                                                                            | 0.0831                                                                            | 0.357                                                                             | 0.545                                                                               | 0.530       |
| 1x500                                                           | RM/35 | 0.0366                                 | 0.0552                                                                            | 0.0695                                                                            | 0.346                                                                             | 0.529                                                                               | 0.591       |
| 1x630                                                           | RM/35 | 0.0283                                 | 0.0411                                                                            | 0.0452                                                                            | 0.323                                                                             | 0.497                                                                               | 0.660       |
| <b>ALUMINIUM CONDUCTOR CABLES (NA2XSY)</b>                      |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 1x35                                                            | RM/16 | 0.868                                  | 1.12                                                                              | 1.13                                                                              | 0.521                                                                             | 0.768                                                                               | 0.212       |
| 1x50                                                            | RM/16 | 0.641                                  | 0.825                                                                             | 0.840                                                                             | 0.496                                                                             | 0.740                                                                               | 0.233       |
| 1x70                                                            | RM/16 | 0.443                                  | 0.571                                                                             | 0.585                                                                             | 0.468                                                                             | 0.705                                                                               | 0.270       |
| 1x95                                                            | RM/16 | 0.320                                  | 0.414                                                                             | 0.426                                                                             | 0.474                                                                             | 0.678                                                                               | 0.301       |
| 1x120                                                           | RM/16 | 0.253                                  | 0.328                                                                             | 0.340                                                                             | 0.430                                                                             | 0.656                                                                               | 0.323       |
| 1x150                                                           | RM/25 | 0.206                                  | 0.269                                                                             | 0.287                                                                             | 0.415                                                                             | 0.632                                                                               | 0.354       |
| 1x185                                                           | RM/25 | 0.164                                  | 0.215                                                                             | 0.232                                                                             | 0.402                                                                             | 0.615                                                                               | 0.385       |
| 1x240                                                           | RM/25 | 0.125                                  | 0.166                                                                             | 0.181                                                                             | 0.384                                                                             | 0.591                                                                               | 0.428       |
| 1x300                                                           | RM/25 | 0.100                                  | 0.134                                                                             | 0.148                                                                             | 0.373                                                                             | 0.575                                                                               | 0.471       |
| 1x400                                                           | RM/35 | 0.0778                                 | 0.107                                                                             | 0.126                                                                             | 0.357                                                                             | 0.545                                                                               | 0.530       |
| 1x500                                                           | RM/35 | 0.0605                                 | 0.0857                                                                            | 0.103                                                                             | 0.346                                                                             | 0.529                                                                               | 0.591       |
| 1x630                                                           | RM/35 | 0.0469                                 | 0.0664                                                                            | 0.080                                                                             | 0.323                                                                             | 0.497                                                                               | 0.660       |
| <b>COPPER CONDUCTOR CABLES (N2XSEY/N2XSEYRY/N2XSEYBY)</b>       |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 3x35                                                            | RM/16 | 0.524                                  | 0.671                                                                             |                                                                                   | 0.417                                                                             |                                                                                     | 0.125       |
| 3x50                                                            | RM/16 | 0.387                                  | 0.496                                                                             |                                                                                   | 0.408                                                                             |                                                                                     | 0.136       |
| 3x70                                                            | RM/16 | 0.268                                  | 0.345                                                                             |                                                                                   | 0.389                                                                             |                                                                                     | 0.151       |
| 3x95                                                            | RM/16 | 0.193                                  | 0.249                                                                             |                                                                                   | 0.373                                                                             |                                                                                     | 0.165       |
| 3x120                                                           | RM/16 | 0.153                                  | 0.198                                                                             |                                                                                   | 0.360                                                                             |                                                                                     | 0.178       |
| 3x150                                                           | RM/25 | 0.124                                  | 0.163                                                                             |                                                                                   | 0.350                                                                             |                                                                                     | 0.191       |
| 3x185                                                           | RM/25 | 0.0991                                 | 0.131                                                                             |                                                                                   | 0.341                                                                             |                                                                                     | 0.205       |
| 3x240                                                           | RM/25 | 0.0754                                 | 0.101                                                                             |                                                                                   | 0.325                                                                             |                                                                                     | 0.227       |
| 3x300                                                           | RM/25 | 0.0601                                 | 0.0823                                                                            |                                                                                   | 0.315                                                                             |                                                                                     | 0.244       |
| 3x400                                                           | RM/35 | 0.0470                                 | 0.0677                                                                            |                                                                                   | 0.306                                                                             |                                                                                     | 0.271       |
| 3x500                                                           | RM/35 | 0.0366                                 | 0.0552                                                                            |                                                                                   | 0.296                                                                             |                                                                                     | 0.295       |
| <b>ALUMINIUM CONDUCTOR CABLES (NA2XSEY/NA2XSEYRY/NA2XSEYBY)</b> |       |                                        |                                                                                   |                                                                                   |                                                                                   |                                                                                     |             |
| 3x35                                                            | RM/16 | 0.868                                  | 1.12                                                                              |                                                                                   | 0.417                                                                             |                                                                                     | 0.125       |
| 3x50                                                            | RM/16 | 0.641                                  | 0.825                                                                             |                                                                                   | 0.408                                                                             |                                                                                     | 0.136       |
| 3x70                                                            | RM/16 | 0.443                                  | 0.571                                                                             |                                                                                   | 0.389                                                                             |                                                                                     | 0.151       |
| 3x95                                                            | RM/16 | 0.320                                  | 0.413                                                                             |                                                                                   | 0.373                                                                             |                                                                                     | 0.165       |
| 3x120                                                           | RM/16 | 0.253                                  | 0.327                                                                             |                                                                                   | 0.360                                                                             |                                                                                     | 0.178       |
| 3x150                                                           | RM/25 | 0.206                                  | 0.269                                                                             |                                                                                   | 0.350                                                                             |                                                                                     | 0.191       |
| 3x185                                                           | RM/25 | 0.164                                  | 0.215                                                                             |                                                                                   | 0.341                                                                             |                                                                                     | 0.205       |
| 3x240                                                           | RM/25 | 0.125                                  | 0.165                                                                             |                                                                                   | 0.325                                                                             |                                                                                     | 0.227       |
| 3x300                                                           | RM/25 | 0.100                                  | 0.133                                                                             |                                                                                   | 0.315                                                                             |                                                                                     | 0.244       |
| 3x400                                                           | RM/35 | 0.0778                                 | 0.106                                                                             |                                                                                   | 0.306                                                                             |                                                                                     | 0.271       |
| 3x500                                                           | RM/35 | 0.0605                                 | 0.0849                                                                            |                                                                                   | 0.296                                                                             |                                                                                     | 0.295       |

SINGLE CORE

THREE CORE



## UNARMoured XLPE H.V. POWER CABLES $U_0/U(U_m) = 36/63(72.5)KV^{(1)}$

### N2XSY/NA2XSY

**Standard:**  
IEC 60840 · VDE 0276 -632

**Construction :**  
CU or AL/SCT/SC/XLPE/SC/SCT(WB)/CWS/PET/PVC  
Stranded and compacted Aluminum or copper conductor  
semi-conducting tape  
inner semi conductor  
XLPE insulation  
outer semi conductor  
Water blocking semi conducting tape  
copper wire screen + copper tape applied helically  
polyester tape  
PVC outer sheath <sup>(2)</sup>



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section | Conductor Diameter | Insulation Thickness | Diameter over Insulation | Outer Sheath Thickness | Approx. Overall Diameter |
|------------------------------------------|--------------------|----------------------|--------------------------|------------------------|--------------------------|
| No.xmm <sup>2</sup>                      | mm                 | mm                   | mm                       | mm                     | mm                       |
| 1x185 RM/25                              | 16                 | 10.5                 | 39                       | 2.5                    | 49                       |
| 1x240 RM/25                              | 18.4               | 10.5                 | 42                       | 2.6                    | 51                       |
| 1x300 RM/25                              | 20.5               | 10.5                 | 44                       | 2.7                    | 54                       |
| 1x400 RM/35                              | 23.3               | 10.5                 | 47                       | 2.8                    | 57                       |
| 1x500 RM/50                              | 26.5               | 10.5                 | 50                       | 2.9                    | 61                       |
| 1x630 RM/50                              | 30.2               | 10.5                 | 54                       | 3                      | 65                       |
| 1x800 RM/50                              | 34.5               | 10.5                 | 58                       | 3.2                    | 69                       |
| 1x1000 RM/50                             | 39                 | 10.5                 | 63                       | 3.3                    | 74                       |
| 1x1200 RM/50                             | 42                 | 10.5                 | 66                       | 3.5                    | 77                       |

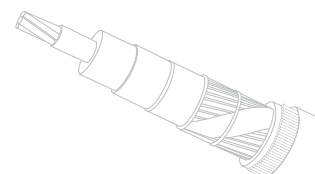
Max .conductor temperature in continuous operation : 90°C

Max . conductor temperature in short circuit.250°C

<sup>(1)</sup> Dry curing/Dry cooling

Dry: Nitrogen gas

<sup>(2)</sup> HDPE , halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent over sheath. is also available on request .





## WIRE ARMoured XLPE H.V . POWER CABLES U0/U(Um)= 36/63(72.5 )KV<sup>(1)</sup>

### N2XSYRY/NA2XSYRY

**Standard:**  
IEC 60840 , VDE 0276-632

### Construction :

CU or AL/SCT/SC/XLPE/SC/SCT(WB)/CWS/PET/PVC(Bd)/AWA/PVC  
Stranded and compacted Aluminum or copper conductor  
inner semi conductor  
XLPE insulation  
outer semi conductor  
water blocking semi conducting tape  
copper wire screen + copper tape applied helically  
polyester tape  
PVC inner sheath  
Aluminum wire armor  
PVC outer sheath<sup>(2)</sup>



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section | Conductor Diameter | Insulation Thickness | Diameter over Insulation | Armour Wire Dia. | Outer Sheath Thickness | Approx. Overall Diameter |
|------------------------------------------|--------------------|----------------------|--------------------------|------------------|------------------------|--------------------------|
| No.xmm <sup>2</sup>                      | mm                 | mm                   | mm                       | mm               | mm                     | mm                       |
| 1x185 RM/25                              | 16                 | 10.5                 | 39                       | 2.5              | 2.8                    | 58                       |
| 1x240 RM/25                              | 18.4               | 10.5                 | 42                       | 3.15             | 2.9                    | 62                       |
| 1x300 RM/25                              | 20.5               | 10.5                 | 44                       | 3.15             | 3                      | 64                       |
| 1x400 RM/35                              | 23.3               | 10.5                 | 47                       | 3.15             | 3.1                    | 67                       |
| 1x500 RM/50                              | 26.5               | 10.5                 | 50                       | 3.15             | 3.2                    | 71                       |
| 1x630 RM/50                              | 30.2               | 10.5                 | 54                       | 3.15             | 3.4                    | 75                       |
| 1x800 RM/50                              | 34.5               | 10.5                 | 58                       | 3.15             | 3.5                    | 80                       |
| 1x1000 RM/50                             | 39                 | 10.5                 | 63                       | 3.15             | 3.7                    | 85                       |
| 1x1200 RM/50                             | 42                 | 10.5                 | 66                       | 3.15             | 3.8                    | 88                       |

Max .conductor temperature in continuous operation : 90°C

Max . conductor temperature in short circuit.250°C

<sup>(1)</sup> Dry curing/Dry cooling

Dry: Nitrogen gas

<sup>(2)</sup> HDPE , halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent over sheath.  
is also available on request .

3.6/6 KV

UN ARMoured

6/10 KV

WIRE ARMoured

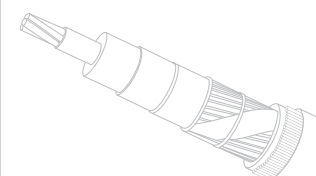
12/20 KV

TAPE ARMoured

18/30 KV

ELECTRICAL CHARACTERISTICS

36/63 KV



## TAPE ARMoured XLPE H.V. POWER CABLES U0/U(Um)= 36/63(72.5)KV(1)

### N2XSYBY/NA2XSYBY

**Standard:**  
IEC 60840 · VDE 0276-632

### Construction :

CU or AL/SCT/SC/XLPE/SC/SCT(WB)/CWS/PET/PVC(Bd)/ ATA/PVC  
Stranded and compacted Aluminum or copper conductor  
semi-conducting tape  
inner semi conductor  
XLPE insulation  
outer semi conductor  
water blocking semi conducting tape  
copper wire screen + copper tape applied helically  
polyester tape  
PVC inner sheath,  
Aluminum tape armor  
PVC outer sheath (2)



### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section | Conductor Diameter | Insulation Thickness | Diameter over Insulation | Armoured Tape Thickness | Outer Sheath Thickness | Approx. Overall Diameter |
|------------------------------------------|--------------------|----------------------|--------------------------|-------------------------|------------------------|--------------------------|
| No.xmm <sup>2</sup>                      | mm                 | mm                   | mm                       | mm                      | mm                     | mm                       |
| 1x185 RM/25                              | 16                 | 10.5                 | 39                       | 0.5                     | 2.7                    | 54                       |
| 1x240 RM/25                              | 18.4               | 10.5                 | 42                       | 0.5                     | 2.8                    | 57                       |
| 1x300 RM/25                              | 20.5               | 10.5                 | 44                       | 0.5                     | 2.9                    | 60                       |
| 1x400 RM/35                              | 23.3               | 10.5                 | 47                       | 0.5                     | 3                      | 63                       |
| 1x500 RM/50                              | 26.5               | 10.5                 | 50                       | 0.5                     | 3.1                    | 67                       |
| 1x630 RM/50                              | 30.2               | 10.5                 | 54                       | 0.5                     | 3.2                    | 71                       |
| 1x800 RM/50                              | 34.5               | 10.5                 | 58                       | 0.5                     | 3.4                    | 76                       |
| 1x1000 RM/50                             | 39                 | 10.5                 | 63                       | 0.8                     | 3.6                    | 82                       |
| 1x1200 RM/50                             | 42                 | 10.5                 | 66                       | 0.8                     | 3.7                    | 85                       |

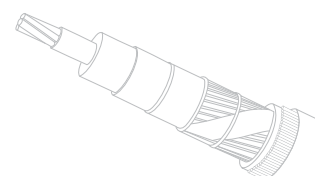
Max .conductor temperature in continuous operation : 90°C

Max . conductor temperature in short circuit.250°C

(1) Dry curing/Dry cooling

Dry: Nitrogen gas

(2) HDPE , halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent over sheath. is also available on request .





 **Electrical Characteristics**

**XLPE HV POWER CABLES U0/U(Um)=36/63(72.5) KV**

| Core/screen<br>Cross-section | Max.DC resistance<br>of<br>Conductor at 20°C | Max . AC resistance<br>of<br>Conductor at 90°C | Reactance                                                                                 |                                                                                             | Capacitance |
|------------------------------|----------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------|
| No.xmm <sup>2</sup>          | Ω/Km                                         | Ω/Km                                           | <br>Ω/Km | <br>Ω/Km | μF/Km       |
| <b>NA2XSY</b>                |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/25                  | 0.164                                        | 0.208                                          | 0.122                                                                                     | 0.180                                                                                       | 0.165       |
| 1x240 RM/25                  | 0.125                                        | 0.159                                          | 0.117                                                                                     | 0.175                                                                                       | 0.181       |
| 1x300 RM/25                  | 0.100                                        | 0.127                                          | 0.114                                                                                     | 0.172                                                                                       | 0.194       |
| 1x400 RM/35                  | 0.0778                                       | 0.0973                                         | 0.109                                                                                     | 0.167                                                                                       | 0.214       |
| 1x500 RM/50                  | 0.0605                                       | 0.0782                                         | 0.106                                                                                     | 0.164                                                                                       | 0.234       |
| 1x630 RM/50                  | 0.0469                                       | 0.0614                                         | 0.102                                                                                     | 0.160                                                                                       | 0.257       |
| 1x800 RM/50                  | 0.0367                                       | 0.0493                                         | 0.098                                                                                     | 0.156                                                                                       | 0.284       |
| 1x1000RM/50                  | 0.0291                                       | 0.0396                                         | 0.095                                                                                     | 0.153                                                                                       | 0.311       |
| 1x1200RM/50                  | 0.0247                                       | 0.0326                                         | 0.094                                                                                     | 0.152                                                                                       | 0.330       |
| <b>NA2XSYRY</b>              |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/25                  | 0.164                                        | 0.208                                          | 0.132                                                                                     | 0.190                                                                                       | 0.165       |
| 1x240 RM/25                  | 0.125                                        | 0.159                                          | 0.128                                                                                     | 0.186                                                                                       | 0.181       |
| 1x300 RM/25                  | 0.100                                        | 0.127                                          | 0.124                                                                                     | 0.183                                                                                       | 0.194       |
| 1x400 RM/35                  | 0.0778                                       | 0.0973                                         | 0.119                                                                                     | 0.177                                                                                       | 0.214       |
| 1x500 RM/50                  | 0.0605                                       | 0.0782                                         | 0.115                                                                                     | 0.173                                                                                       | 0.234       |
| 1x630 RM/50                  | 0.0469                                       | 0.0614                                         | 0.112                                                                                     | 0.170                                                                                       | 0.257       |
| 1x800 RM/50                  | 0.0367                                       | 0.0493                                         | 0.108                                                                                     | 0.166                                                                                       | 0.284       |
| 1x1000RM/50                  | 0.0291                                       | 0.0396                                         | 0.104                                                                                     | 0.162                                                                                       | 0.311       |
| 1x1200RM/50                  | 0.0247                                       | 0.0326                                         | 0.103                                                                                     | 0.161                                                                                       | 0.330       |
| <b>NA2XSYBY</b>              |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/25                  | 0.164                                        | 0.208                                          | 0.128                                                                                     | 0.186                                                                                       | 0.165       |
| 1x240 RM/25                  | 0.125                                        | 0.159                                          | 0.123                                                                                     | 0.181                                                                                       | 0.181       |
| 1x300 RM/25                  | 0.100                                        | 0.127                                          | 0.120                                                                                     | 0.178                                                                                       | 0.194       |
| 1x400 RM/35                  | 0.0778                                       | 0.0973                                         | 0.115                                                                                     | 0.173                                                                                       | 0.214       |
| 1x500 RM/50                  | 0.0605                                       | 0.0782                                         | 0.111                                                                                     | 0.169                                                                                       | 0.234       |
| 1x630 RM/50                  | 0.0469                                       | 0.0614                                         | 0.108                                                                                     | 0.166                                                                                       | 0.257       |
| 1x800 RM/50                  | 0.0367                                       | 0.0493                                         | 0.104                                                                                     | 0.162                                                                                       | 0.284       |
| 1x1000RM/50                  | 0.0291                                       | 0.0396                                         | 0.102                                                                                     | 0.160                                                                                       | 0.311       |
| 1x1200RM/50                  | 0.0247                                       | 0.0326                                         | 0.100                                                                                     | 0.158                                                                                       | 0.330       |
| <b>N2XSY</b>                 |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/ 25                 | 0.0991                                       | 0.127                                          | 0.122                                                                                     | 0.180                                                                                       | 0.165       |
| 1x240 RM/ 25                 | 0.0754                                       | 0.0973                                         | 0.117                                                                                     | 0.175                                                                                       | 0.181       |
| 1x300 RM /25                 | 0.0601                                       | 0.0782                                         | 0.114                                                                                     | 0.172                                                                                       | 0.194       |
| 1x400 RM /35                 | 0.0470                                       | 0.0614                                         | 0.109                                                                                     | 0.167                                                                                       | 0.214       |
| 1x500 RM/50                  | 0.0366                                       | 0.0493                                         | 0.106                                                                                     | 0.164                                                                                       | 0.234       |
| 1x630 RM/50                  | 0.283                                        | 0.0396                                         | 0.102                                                                                     | 0.160                                                                                       | 0.257       |
| 1x800 RM/50                  | 0.0221                                       | 0.0326                                         | 0.098                                                                                     | 0.156                                                                                       | 0.284       |
| 1x1000 RM/50                 | 0.0176                                       | 0.0276                                         | 0.095                                                                                     | 0.153                                                                                       | 0.311       |
| <b>N2XSYRY</b>               |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/ 25                 | 0.0991                                       | 0.127                                          | 0.132                                                                                     | 0.190                                                                                       | 0.165       |
| 1x240 RM/ 25                 | 0.0754                                       | 0.0973                                         | 0.128                                                                                     | 0.186                                                                                       | 0.181       |
| 1x300 RM /25                 | 0.0601                                       | 0.0782                                         | 0.124                                                                                     | 0.183                                                                                       | 0.194       |
| 1x400 RM /35                 | 0.0470                                       | 0.0614                                         | 0.119                                                                                     | 0.177                                                                                       | 0.214       |
| 1x500 RM/50                  | 0.0366                                       | 0.0493                                         | 0.115                                                                                     | 0.173                                                                                       | 0.234       |
| 1x630 RM/50                  | 0.283                                        | 0.0396                                         | 0.112                                                                                     | 0.170                                                                                       | 0.257       |
| 1x800 RM/50                  | 0.0221                                       | 0.0326                                         | 0.108                                                                                     | 0.166                                                                                       | 0.284       |
| 1x1000 RM/50                 | 0.0176                                       | 0.0276                                         | 0.104                                                                                     | 0.162                                                                                       | 0.311       |
| <b>N2XSYBY</b>               |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/ 25                 | 0.0991                                       | 0.127                                          | 0.128                                                                                     | 0.186                                                                                       | 0.165       |
| 1x240 RM/ 25                 | 0.0754                                       | 0.0973                                         | 0.123                                                                                     | 0.181                                                                                       | 0.181       |
| 1x300 RM /25                 | 0.0601                                       | 0.0782                                         | 0.120                                                                                     | 0.178                                                                                       | 0.194       |
| 1x400 RM /35                 | 0.0470                                       | 0.0614                                         | 0.115                                                                                     | 0.173                                                                                       | 0.214       |
| 1x500 RM/50                  | 0.0366                                       | 0.0493                                         | 0.111                                                                                     | 0.169                                                                                       | 0.234       |
| 1x630 RM/50                  | 0.283                                        | 0.0396                                         | 0.108                                                                                     | 0.166                                                                                       | 0.257       |
| 1x800 RM/50                  | 0.0221                                       | 0.0326                                         | 0.104                                                                                     | 0.162                                                                                       | 0.284       |
| 1x1000 RM/50                 | 0.0176                                       | 0.0276                                         | 0.102                                                                                     | 0.160                                                                                       | 0.311       |

3.6/6 KV

UN ARMoured

6/10 KV

WIRE ARMoured

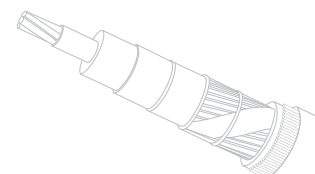
12/20 KV

TAPE ARMoured

18/30 KV

ELECTRICAL CHARACTERISTICS

36/63 KV





**UNARMoured WATER BLOCKING XLPE H.V. POWER CABLES U0/U(Um)=36/63(72.5)KV<sup>(1)</sup>**

● **N2XS(FL)2Y/NA2XS(FL)2Y**

● **Standard:**  
IEC 60840, VDE 0276-632

● **Construction :**  
CU or AL/SCT/SC/XLPE/SC/SCT(WB)/CWS/WBT/ALCO/HDPE  
Stranded and compacted Aluminum or copper conductor  
semi-conductor tape  
inner semi conductor  
XLPE insulation  
outer semi conductor  
water blocking semi conducting tape  
copper wire screen + copper tape applied helically  
water blocking tape  
AL copolymer coated tape applied longitudinally  
HDPE outer sheath<sup>(2)</sup>



● **CONSTRUCTIONAL & DESIGN DATA**

| Conductor & Screen Nominal Cross Section | Conductor Diameter | Insulation Thickness | Diameter over Insulation | AL copolymer coated Tape thickness | Outer Sheath Thickness | Overall Diameter |
|------------------------------------------|--------------------|----------------------|--------------------------|------------------------------------|------------------------|------------------|
| No.mm <sup>2</sup>                       | mm                 | mm                   | mm                       | mm                                 | mm                     | mm               |
| 1x185 RM/25                              | 16                 | 10.5                 | 40                       | 0.3                                | 2.6                    | 51               |
| 1x240 RM/25                              | 18.4               | 10.5                 | 42                       | 0.3                                | 2.7                    | 54               |
| 1x300 RM/25                              | 20.5               | 10.5                 | 45                       | 0.3                                | 2.8                    | 56               |
| 1x400 RM/35                              | 23.3               | 10.5                 | 48                       | 0.3                                | 2.9                    | 60               |
| 1x500 RM/50                              | 26.5               | 10.5                 | 51                       | 0.3                                | 3                      | 63               |
| 1x630 RM/50                              | 30.2               | 10.5                 | 55                       | 0.3                                | 3.1                    | 67               |
| 1x800 RM/50                              | 34.5               | 10.5                 | 59                       | 0.3                                | 3.3                    | 72               |
| 1x1000 RM/50                             | 39                 | 10.5                 | 63                       | 0.3                                | 3.4                    | 76               |
| 1x1200 RM/50                             | 42                 | 10.5                 | 66                       | 0.3                                | 3.5                    | 80               |

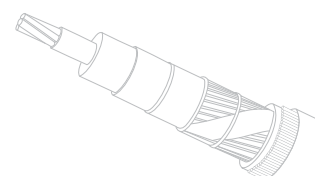
Max .conductor temperature in continuous operation : 90°C

Max . conductor temperature in short circuit.250°C

<sup>(1)</sup> Dry curing/Dry cooling

Dry: Nitrogen gas

<sup>(2)</sup> HDPE , halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent over sheath. is also available on request .





## WIRE ARMoured WATER BLOCKING XLPE H.V. POWER CABLES U<sub>0</sub>/U(U<sub>m</sub>)=36/63(72.5)KV<sup>(1)</sup>

### N2XS(FL)2YRY/NA2XS(FL)2YRY

#### Standard:

IEC 60840, VDE 0276-632

#### Construction :

CU or AL/SC/SC/XLPE/SC/SC/SC(WB)/CWS/WBT/ALCO/PE(Bd)/AWA/PVC

Stranded and compacted Aluminum or copper conductor

inner semi conductor

XLPE insulation

outer semi conductor

water blocking semi conducting tape

copper wire screen plus copper tape applied helically

water blocking tape

AL copolymer coated tape applied longitudinally

PE inner sheath

Aluminum wire armor

PVC outer sheath<sup>(2)</sup>



#### CONSTRUCTIONAL & DESIGN DATA

| Conductor & Screen Nominal Cross Section | Conductor Diameter | Insulation Thickness | Diameter over Insulation | AL copolymer coated Tape thickness | Armor Wire Dia. | Outer Sheath Thickness | Overall Diameter |
|------------------------------------------|--------------------|----------------------|--------------------------|------------------------------------|-----------------|------------------------|------------------|
| No.mm <sup>2</sup>                       | mm                 | mm                   | mm                       | mm                                 | mm              | mm                     | mm               |
| 1x185 RM/25                              | 16                 | 10.5                 | 40                       | 0.3                                | 2.5             | 2.9                    | 60               |
| 1x240 RM/25                              | 18.4               | 10.5                 | 42                       | 0.3                                | 3.15            | 3                      | 64               |
| 1x300 RM/25                              | 20.5               | 10.5                 | 45                       | 0.3                                | 3.15            | 3.1                    | 66               |
| 1x400 RM/35                              | 23.3               | 10.5                 | 48                       | 0.3                                | 3.15            | 3.2                    | 70               |
| 1x500 RM/50                              | 26.5               | 10.5                 | 51                       | 0.3                                | 3.15            | 3.3                    | 73               |
| 1x630 RM/50                              | 30.2               | 10.5                 | 55                       | 0.3                                | 3.15            | 3.5                    | 78               |
| 1x800 RM/50                              | 34.5               | 10.5                 | 59                       | 0.3                                | 4               | 3.7                    | 84               |
| 1x1000 RM/50                             | 39                 | 10.5                 | 63                       | 0.3                                | 4               | 3.8                    | 89               |
| 1x1200 RM/50                             | 42                 | 10.5                 | 66                       | 0.3                                | 4               | 3.9                    | 92               |

Max .conductor temperature in continuous operation : 90°C

Max . conductor temperature in short circuit.250°C

<sup>(1)</sup> Dry curing/Dry cooling

Dry: Nitrogen gas

<sup>(2)</sup> HDPE , halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent over sheath. is also available on request .

3.6/6 KV

UN ARMoured

6/10 KV

WIRE ARMoured

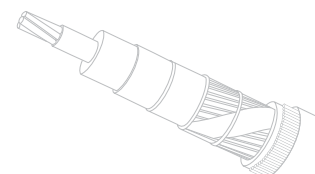
12/20 KV

TAPE ARMoured

18/30 KV

ELECTRICAL CHARACTERISTICS

36/63 KV





**TAPE ARMoured WATER BLOCKING XLPE H.V. POWER CABLES U0/U(Um)=36/63(72.5)KV<sup>(1)</sup>**

● **N2XS(FL)2YBY/NA2XS(FL)2YBY**

● **Standard:**  
IEC 60840 , VDE 0276-632

● **Construction :**  
CU or AL/SCT/XLPE/SC/SCT(WB)/ALCO/PE(Bd)/ATA/PVC  
Stranded and compacted Aluminum or copper conductor  
inner semi conductor  
XLPE insulation  
outer semi conductor  
water blocking semi conducting tape  
copper wire screen plus copper tape applied helically  
water blocking tape  
AL copolymer coated tape applied longitudinally  
PE inner sheath  
Aluminum tape armor  
PVC outer sheath<sup>(2)</sup>

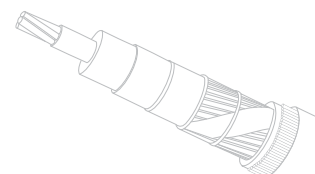


● **CONSTRUCTIONAL & DESIGN DATA**

| Conductor & Screen Nominal Cross Section | Conductor Diameter | Insulation Thickness | Diameter over Insulation | AL copolymer coated Tape thickness | Aarmor tape thickness | Outer Sheath Thickness | Overall Diameter |
|------------------------------------------|--------------------|----------------------|--------------------------|------------------------------------|-----------------------|------------------------|------------------|
| No.mm <sup>2</sup>                       | mm                 | mm                   | mm                       | mm                                 | mm                    | mm                     | mm               |
| 1x185 RM/25                              | 16                 | 10.5                 | 40                       | 0.3                                | 0.5                   | 2.8                    | 57               |
| 1x240 RM/25                              | 18.4               | 10.5                 | 42                       | 0.3                                | 0.5                   | 2.9                    | 60               |
| 1x400 RM/35                              | 23.3               | 10.5                 | 48                       | 0.3                                | 0.5                   | 2.9                    | 62               |
| 1x500 RM/50                              | 26.5               | 10.5                 | 51                       | 0.3                                | 0.5                   | 3.1                    | 65               |
| 1x630 RM/50                              | 30.2               | 10.5                 | 55                       | 0.3                                | 0.5                   | 3.2                    | 69               |
| 1x800 RM/50                              | 34.5               | 10.5                 | 59                       | 0.3                                | 0.5                   | 3.3                    | 73               |
| 1x1000 RM/50                             | 39                 | 10.5                 | 63                       | 0.3                                | 0.8                   | 3.5                    | 78               |
| 1x1200 RM/50                             | 42                 | 10.5                 | 66                       | 0.3                                | 0.8                   | 3.7                    | 84               |

Max .conductor temperature in continuous operation : 90°C  
Max . conductor temperature in short circuit.250°C

(<sup>1</sup>) Dry curing/Dry cooling Dry: Nitrogen gas  
(<sup>2</sup>) HDPE , halogen free and low smoke, chemical resistant, low smoke PVC, anti rodent over sheath.  
is also available on request .



● **Electrical Characteristics**

**XLPE HV POWER CABLES U0/U(Um)=36/63(72.5) KV**

| No. of cores x<br>Cross section<br>Screen cross section | Max.DC resistance<br>of<br>Conductor at 20°C | Max . AC resistance<br>of<br>Conductor at 90°C | Reactance                                                                                 |                                                                                             | Capacitance |
|---------------------------------------------------------|----------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------|
| No.xmm <sup>2</sup>                                     | Ω/Km                                         | Ω/Km                                           | <br>Ω/Km | <br>Ω/Km | μF/Km       |
| <b>N2XS(FL)2Y</b>                                       |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/ 25                                            | 0.0991                                       | 0.127                                          | 0.123                                                                                     | 0.181                                                                                       | 0.165       |
| 1x240 RM/ 25                                            | 0.0754                                       | 0.0973                                         | 0.118                                                                                     | 0.176                                                                                       | 0.181       |
| 1x300 RM /25                                            | 0.0601                                       | 0.0782                                         | 0.115                                                                                     | 0.173                                                                                       | 0.194       |
| 1x400 RM /35                                            | 0.0470                                       | 0.0614                                         | 0.110                                                                                     | 0.168                                                                                       | 0.214       |
| 1x500 RM/50                                             | 0.0366                                       | 0.0493                                         | 0.106                                                                                     | 0.165                                                                                       | 0.234       |
| 1x630 RM/50                                             | 0.283                                        | 0.0396                                         | 0.103                                                                                     | 0.161                                                                                       | 0.257       |
| 1x800 RM/50                                             | 0.0221                                       | 0.0326                                         | 0.099                                                                                     | 0.158                                                                                       | 0.284       |
| 1x1000 RM/50                                            | 0.0176                                       | 0.0276                                         | 0.096                                                                                     | 0.155                                                                                       | 0.311       |
| <b>N2XS(FL)2YRY</b>                                     |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/25                                             | 0.0991                                       | 0.127                                          | 0.132                                                                                     | 0.190                                                                                       | 0.165       |
| 1x240 RM/25                                             | 0.0754                                       | 0.0973                                         | 0.129                                                                                     | 0.187                                                                                       | 0.181       |
| 1x300 RM/25                                             | 0.0601                                       | 0.0782                                         | 0.125                                                                                     | 0.183                                                                                       | 0.194       |
| 1x400 RM/35                                             | 0.0470                                       | 0.0614                                         | 0.120                                                                                     | 0.178                                                                                       | 0.214       |
| 1x500 RM/50                                             | 0.0366                                       | 0.0493                                         | 0.116                                                                                     | 0.174                                                                                       | 0.234       |
| 1x630 RM/50                                             | 0.283                                        | 0.0396                                         | 0.113                                                                                     | 0.171                                                                                       | 0.257       |
| 1x800 RM/50                                             | 0.0221                                       | 0.0326                                         | 0.110                                                                                     | 0.168                                                                                       | 0.284       |
| 1x1000 RM/50                                            | 0.0176                                       | 0.0276                                         | 0.106                                                                                     | 0.164                                                                                       | 0.311       |
| <b>N2XS(FL)2YBY</b>                                     |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/25                                             | 0.0991                                       | 0.127                                          | 0.129                                                                                     | 0.187                                                                                       | 0.165       |
| 1x240 RM/25                                             | 0.0754                                       | 0.0973                                         | 0.124                                                                                     | 0.182                                                                                       | 0.181       |
| 1x300 RM/25                                             | 0.0601                                       | 0.0782                                         | 0.120                                                                                     | 0.178                                                                                       | 0.194       |
| 1x400 RM/35                                             | 0.0470                                       | 0.0614                                         | 0.116                                                                                     | 0.174                                                                                       | 0.214       |
| 1x500 RM/50                                             | 0.0366                                       | 0.0493                                         | 0.112                                                                                     | 0.170                                                                                       | 0.234       |
| 1x630 RM/50                                             | 0.283                                        | 0.0396                                         | 0.108                                                                                     | 0.166                                                                                       | 0.257       |
| 1x800 RM/50                                             | 0.0221                                       | 0.0326                                         | 0.105                                                                                     | 0.163                                                                                       | 0.284       |
| 1x1000 RM/50                                            | 0.0176                                       | 0.0276                                         | 0.103                                                                                     | 0.161                                                                                       | 0.311       |
| <b>NA2XS(FL)2Y</b>                                      |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/25                                             | 0.164                                        | 0.208                                          | 0.123                                                                                     | 0.181                                                                                       | 0.165       |
| 1x240 RM/25                                             | 0.125                                        | 0.159                                          | 0.118                                                                                     | 0.176                                                                                       | 0.181       |
| 1x300 RM/25                                             | 0.100                                        | 0.127                                          | 0.115                                                                                     | 0.173                                                                                       | 0.194       |
| 1x400 RM/35                                             | 0.0778                                       | 0.0973                                         | 0.110                                                                                     | 0.169                                                                                       | 0.214       |
| 1x500 RM/50                                             | 0.0605                                       | 0.0782                                         | 0.106                                                                                     | 0.165                                                                                       | 0.234       |
| 1x630 RM/50                                             | 0.0469                                       | 0.0614                                         | 0.103                                                                                     | 0.161                                                                                       | 0.257       |
| 1x800 RM/50                                             | 0.0367                                       | 0.0493                                         | 0.099                                                                                     | 0.158                                                                                       | 0.284       |
| 1x1000 RM/50                                            | 0.0291                                       | 0.0396                                         | 0.096                                                                                     | 0.155                                                                                       | 0.311       |
| <b>NA2XS(FL)2YRY</b>                                    |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/25                                             | 0.0991                                       | 0.127                                          | 0.132                                                                                     | 0.190                                                                                       | 0.165       |
| 1x240 RM/25                                             | 0.0754                                       | 0.0973                                         | 0.129                                                                                     | 0.187                                                                                       | 0.181       |
| 1x300 RM/25                                             | 0.0601                                       | 0.0782                                         | 0.125                                                                                     | 0.183                                                                                       | 0.194       |
| 1x400 RM/35                                             | 0.0470                                       | 0.0614                                         | 0.120                                                                                     | 0.178                                                                                       | 0.214       |
| 1x500 RM/50                                             | 0.0366                                       | 0.0493                                         | 0.116                                                                                     | 0.174                                                                                       | 0.234       |
| 1x630 RM/50                                             | 0.283                                        | 0.0396                                         | 0.113                                                                                     | 0.171                                                                                       | 0.257       |
| 1x800 RM/50                                             | 0.0221                                       | 0.0326                                         | 0.110                                                                                     | 0.168                                                                                       | 0.284       |
| 1x1000 RM/50                                            | 0.0291                                       | 0.0396                                         | 0.106                                                                                     | 0.164                                                                                       | 0.311       |
| <b>NA2XS(FL)2YBY</b>                                    |                                              |                                                |                                                                                           |                                                                                             |             |
| 1x185 RM/25                                             | 0.164                                        | 0.208                                          | 0.129                                                                                     | 0.187                                                                                       | 0.165       |
| 1x240 RM/25                                             | 0.125                                        | 0.159                                          | 0.124                                                                                     | 0.182                                                                                       | 0.181       |
| 1x300 RM/25                                             | 0.100                                        | 0.127                                          | 0.120                                                                                     | 0.178                                                                                       | 0.194       |
| 1x400 RM/35                                             | 0.0778                                       | 0.0973                                         | 0.116                                                                                     | 0.174                                                                                       | 0.214       |
| 1x500 RM/50                                             | 0.0605                                       | 0.0782                                         | 0.112                                                                                     | 0.170                                                                                       | 0.234       |
| 1x630 RM/50                                             | 0.0469                                       | 0.0614                                         | 0.108                                                                                     | 0.166                                                                                       | 0.257       |
| 1x800 RM/50                                             | 0.0367                                       | 0.0493                                         | 0.105                                                                                     | 0.163                                                                                       | 0.284       |
| 1x1000 RM/50                                            | 0.0291                                       | 0.0396                                         | 0.103                                                                                     | 0.161                                                                                       | 0.311       |

3.6/6 KV

UN ARMoured

6/10 KV

WIRE ARMoured

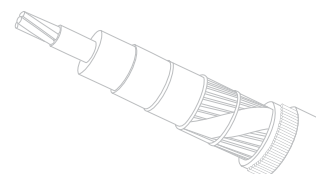
12/20 KV

TAPE ARMoured

18/30 KV

ELECTRICAL CHARACTERISTICS

36/63 KV



**Note:** .....

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