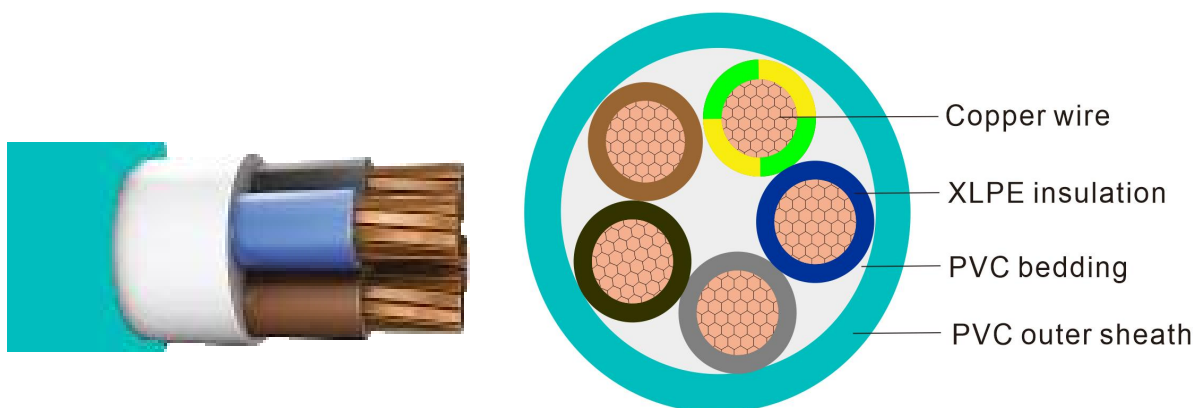


## Low voltage XLPE insulated power cable N2XY, 0.6/1kV

CU/XLPE/PVC (N2XY) 0.6/1KV

Low voltage XLPE insulated power cables are used for power distribution with rated voltage of 0.6/1kV. Suitable for fixed installations, indoor and outdoor, in free air, for direct burial, in duct, trench, shaft, cable trays and ladders, etc.



### Standards

IEC 60502-1, or other standards on request

### Construction

|              |                                  |
|--------------|----------------------------------|
| Conductor    | Copper                           |
| Insulation   | Cross-linked polyethylene (XLPE) |
| Filling      | Polyvinyl chloride (PVC)         |
| Outer sheath | PVC                              |

### Data sheet

Low voltage XLPE insulated power cable N2XY 0.6/1kV  
CU/XLPE/PVC (N2XY) 0.6/1KV

## Low voltage XLPE insulated power cable CU/XLPE/PVC (N2XY) 0.6/1KV

| Nom. cross-sectional area of conductor | Insulation thickness | Sheath thickness | Overall diameter | Approx. weight | Max. D.C. resistance of conductor @20°C |
|----------------------------------------|----------------------|------------------|------------------|----------------|-----------------------------------------|
| mm <sup>2</sup>                        | mm                   | mm               | mm               | kg/km          | Ω/km                                    |
| Single core                            |                      |                  |                  |                |                                         |
| 1×1.5*                                 | 0.7                  | 1.4              | 6.1              | 57             | 12.1                                    |
| 1×2.5*                                 | 0.7                  | 1.4              | 6.5              | 69             | 7.41                                    |
| 1×4*                                   | 0.7                  | 1.4              | 6.9              | 86             | 4.61                                    |
| 1×6*                                   | 0.7                  | 1.4              | 7.4              | 109            | 3.08                                    |
| 1×10                                   | 0.7                  | 1.4              | 8.5              | 156            | 1.83                                    |
| 1×16                                   | 0.7                  | 1.4              | 9.5              | 216            | 1.15                                    |
| 1×25                                   | 0.9                  | 1.4              | 11.1             | 318            | 0.727                                   |
| 1×35                                   | 0.9                  | 1.4              | 12.1             | 415            | 0.524                                   |
| 1×50                                   | 1.0                  | 1.4              | 13.3             | 543            | 0.387                                   |
| 1×70                                   | 1.1                  | 1.4              | 15.5             | 746            | 0.268                                   |
| 1×95                                   | 1.1                  | 1.5              | 17.5             | 1000           | 0.193                                   |
| 1×120                                  | 1.2                  | 1.5              | 18.9             | 1239           | 0.153                                   |
| 1×150                                  | 1.4                  | 1.6              | 21.1             | 1515           | 0.124                                   |
| 1×185                                  | 1.6                  | 1.6              | 23.1             | 1872           | 0.0991                                  |
| 1×240                                  | 1.7                  | 1.7              | 25.9             | 2403           | 0.0754                                  |
| 1×300                                  | 1.8                  | 1.8              | 28.5             | 2974           | 0.0601                                  |
| 1×400                                  | 2.0                  | 1.9              | 31.1             | 3834           | 0.047                                   |
| 1×500                                  | 2.2                  | 2.0              | 34.9             | 4892           | 0.0366                                  |
| 1×630                                  | 2.4                  | 2.2              | 40.3             | 6544           | 0.0283                                  |
| Two-core                               |                      |                  |                  |                |                                         |
| 2×1.5*                                 | 0.7                  | 1.8              | 10.3             | 156            | 12.1                                    |
| 2×2.5*                                 | 0.7                  | 1.8              | 11.1             | 190            | 7.41                                    |
| 2×4*                                   | 0.7                  | 1.8              | 11.9             | 235            | 4.61                                    |
| 2×6*                                   | 0.7                  | 1.8              | 12.9             | 294            | 3.08                                    |
| 2×10                                   | 0.7                  | 1.8              | 15.1             | 425            | 1.83                                    |
| 2×16                                   | 0.7                  | 1.8              | 17.1             | 590            | 1.15                                    |
| 2×25                                   | 0.9                  | 1.8              | 20.3             | 862            | 0.727                                   |
| 2×35                                   | 0.9                  | 1.8              | 22.3             | 1112           | 0.524                                   |
| 2×50                                   | 1                    | 1.8              | 24.9             | 1478           | 0.387                                   |
| 2×70                                   | 1.1                  | 1.8              | 29.3             | 2044           | 0.268                                   |
| 2×95                                   | 1.1                  | 2                | 33.3             | 2701           | 0.193                                   |
| 2×120                                  | 1.2                  | 2.1              | 36.3             | 3325           | 0.153                                   |
| 2×150                                  | 1.4                  | 2.2              | 40.5             | 4138           | 0.124                                   |
| 2×185                                  | 1.6                  | 2.3              | 44.7             | 5102           | 0.0991                                  |
| Three-core                             |                      |                  |                  |                |                                         |

| Nom. cross-sectional area of conductor | Insulation thickness | Sheath thickness | Overall diameter | Approx. weight | Max. D.C. resistance of conductor @20°C |
|----------------------------------------|----------------------|------------------|------------------|----------------|-----------------------------------------|
| mm <sup>2</sup>                        | mm                   | mm               | mm               | kg/km          | Ω/km                                    |
| 3×1.5*                                 | 0.7                  | 1.8              | 10.7             | 175            | 12.1                                    |
| 3×2.5*                                 | 0.7                  | 1.8              | 11.6             | 220            | 7.41                                    |
| 3×4*                                   | 0.7                  | 1.8              | 12.5             | 279            | 4.61                                    |
| 3×6*                                   | 0.7                  | 1.8              | 13.5             | 352            | 3.08                                    |
| 3×10                                   | 0.7                  | 1.8              | 15.9             | 521            | 1.83                                    |
| 3×16                                   | 0.7                  | 1.8              | 18.1             | 739            | 1.15                                    |
| 3×25                                   | 0.9                  | 1.8              | 21.5             | 1089           | 0.727                                   |
| 3×35                                   | 0.9                  | 1.8              | 23.7             | 1427           | 0.524                                   |
| 3×50                                   | 1.0                  | 1.8              | 26.4             | 1912           | 0.387                                   |
| 3×70                                   | 1.1                  | 1.9              | 31.4             | 2671           | 0.268                                   |
| 3×95                                   | 1.1                  | 2                | 35.5             | 3524           | 0.193                                   |
| 3×120                                  | 1.2                  | 2.1              | 38.7             | 4360           | 0.153                                   |
| 3×150                                  | 1.4                  | 2.3              | 43.4             | 5451           | 0.124                                   |
| 3×185                                  | 1.6                  | 2.4              | 47.9             | 6732           | 0.0991                                  |
| 3×240                                  | 1.7                  | 2.6              | 53.9             | 8634           | 0.0754                                  |
| Four-core                              |                      |                  |                  |                |                                         |

|             |         |     |      |       |       |
|-------------|---------|-----|------|-------|-------|
| 3×2.5+1×1.5 | 0.7     | 1.8 | 12.2 | 247   | /     |
| 3×4+1×2.5   | 0.7     | 1.8 | 13.1 | 313   | /     |
| 3×6+1×4     | 0.7     | 1.8 | 14.3 | 406   | /     |
| 3×10+1×6    | 0.7     | 1.8 | 16.6 | 588   | /     |
| 3×16+1×10   | 0.7     | 1.8 | 19.1 | 851   | /     |
| 3×25+1×16   | 0.9+0.7 | 1.8 | 22.6 | 1255  | /     |
| 3×35+1×16   | 0.9+0.7 | 1.8 | 24.4 | 1574  | /     |
| 3×50+1×25   | 1+0.9   | 1.8 | 27.7 | 2165  | /     |
| 3×70+1×35   | 1.1+0.9 | 1.9 | 32.5 | 2993  | /     |
| 3×95+1×50   | 1.1+1   | 2.1 | 36.9 | 3990  | /     |
| 3×120+1×70  | 1.2+1.1 | 2.2 | 40.9 | 5049  | /     |
| 3×150+1×70  | 1.4+1.1 | 2.3 | 44.8 | 6073  | /     |
| 3×185+1×95  | 1.6+1.1 | 2.5 | 49.9 | 7613  | /     |
| 3×240+1×120 | 1.7+1.2 | 2.7 | 55.8 | 9706  | /     |
| 3×300+1×150 | 1.8+1.4 | 2.9 | 61.8 | 11966 | /     |
| 4×1.5*      | 0.7     | 1.8 | 11.5 | 206   | 12.1  |
| 4×2.5*      | 0.7     | 1.8 | 12.4 | 259   | 7.41  |
| 4×4*        | 0.7     | 1.8 | 13.4 | 334   | 4.61  |
| 4×6*        | 0.7     | 1.8 | 14.6 | 431   | 3.08  |
| 4×10        | 0.7     | 1.8 | 17.3 | 644   | 1.83  |
| 4×16        | 0.7     | 1.8 | 19.7 | 922   | 1.15  |
| 4×25        | 0.9     | 1.8 | 23.5 | 1368  | 0.727 |

| Nom. cross-sectional area of conductor | Insulation thickness | Sheath thickness | Overall diameter | Approx. weight | Max. D.C. resistance of conductor @20°C |
|----------------------------------------|----------------------|------------------|------------------|----------------|-----------------------------------------|
| mm <sup>2</sup>                        | mm                   | mm               | mm               | kg/km          | Ω/km                                    |
| 4×35                                   | 0.9                  | 1.8              | 25.9             | 1800           | 0.524                                   |
| 4×50                                   | 1.0                  | 1.9              | 29.2             | 2449           | 0.387                                   |
| 4×70                                   | 1.1                  | 2.0              | 34.8             | 3425           | 0.268                                   |
| 4×95                                   | 1.1                  | 2.1              | 39.3             | 4521           | 0.193                                   |
| 4×120                                  | 1.2                  | 2.3              | 43.1             | 5631           | 0.153                                   |
| 4×150                                  | 1.4                  | 2.4              | 48.1             | 7009           | 0.124                                   |
| 4×185                                  | 1.6                  | 2.6              | 53.3             | 8690           | 0.0991                                  |
| 4×240                                  | 1.7                  | 2.8              | 58.9             | 9875           | 0.0754                                  |
| 4×300                                  | 1.8                  | 3.0              | 68.9             | 11971          | 0.0601                                  |
| Five-core                              |                      |                  |                  |                |                                         |

|             |         |     |      |       |   |
|-------------|---------|-----|------|-------|---|
| 3×4+2×2.5   | 0.7     | 1.8 | 14.0 | 360   | / |
| 3×6+2×4     | 0.7     | 1.8 | 15.2 | 466   | / |
| 3×10+2×6    | 0.7     | 1.8 | 17.6 | 671   | / |
| 3×16+2×10   | 0.7     | 1.8 | 20.4 | 981   | / |
| 3×25+2×16   | 0.9+0.7 | 1.8 | 24.0 | 1444  | / |
| 3×35+2×16   | 0.9+0.7 | 1.8 | 25.7 | 1763  | / |
| 3×50+2×25   | 1+0.9   | 1.9 | 29.5 | 2461  | / |
| 3×70+2×35   | 1.1+0.9 | 2.0 | 34.6 | 3408  | / |
| 3×95+2×50   | 1.1+1   | 2.2 | 39.2 | 4552  | / |
| 3×120+2×70  | 1.2+1.1 | 2.3 | 44.0 | 5854  | / |
| 3×150+2×70  | 1.4+1.1 | 2.4 | 47.5 | 6859  | / |
| 3×185+2×95  | 1.6+1.1 | 2.6 | 53.0 | 8655  | / |
| 3×240+2×120 | 1.7+1.2 | 2.8 | 59.2 | 11018 | / |
| 3×300+2×150 | 1.8+1.4 | 3.0 | 65.6 | 13594 | / |
| 4×4+1×2.5   | 0.7     | 1.8 | 14.2 | 377   | / |
| 4×6+1×4     | 0.7     | 1.8 | 15.5 | 491   | / |
| 4×10+1×6    | 0.7     | 1.8 | 18.1 | 720   | / |
| 4×16+1×10   | 0.7     | 1.8 | 20.9 | 1049  | / |
| 4×25+1×16   | 0.9+0.7 | 1.8 | 24.9 | 1560  | / |
| 4×35+1×16   | 0.9+0.7 | 1.8 | 27.1 | 1987  | / |
| 4×50+1×25   | 1+0.9   | 1.9 | 30.9 | 2744  | / |
| 4×70+1×35   | 1.1+0.9 | 2.1 | 36.6 | 3824  | / |
| 4×95+1×50   | 1.1+1   | 2.2 | 41.3 | 5065  | / |
| 4×120+1×70  | 1.2+1.1 | 2.4 | 46.0 | 6429  | / |
| 4×150+1×70  | 1.4+1.1 | 2.5 | 50.5 | 7779  | / |
| 4×185+1×95  | 1.6+1.1 | 2.7 | 56.2 | 9731  | / |
| 4×240+1×120 | 1.7+1.2 | 2.9 | 62.9 | 12420 | / |

| Nom. cross-sectional area of conductor | Insulation thickness | Sheath thickness | Overall diameter | Approx. weight | Max. D.C. resistance of conductor @20°C |
|----------------------------------------|----------------------|------------------|------------------|----------------|-----------------------------------------|
| mm <sup>2</sup>                        | mm                   | mm               | mm               | kg/km          | Ω/km                                    |
| 5×1.5*                                 | 0.7                  | 1.8              | 12.3             | 239.4          | 12.1                                    |
| 5×2.5*                                 | 0.7                  | 1.8              | 13.3             | 304            | 7.41                                    |
| 5×4*                                   | 0.7                  | 1.8              | 14.4             | 395            | 4.61                                    |
| 5×6*                                   | 0.7                  | 1.8              | 15.8             | 517            | 3.08                                    |
| 5×10                                   | 0.7                  | 1.8              | 18.7             | 774            | 1.83                                    |
| 5×16                                   | 0.7                  | 1.8              | 21.4             | 1117           | 1.15                                    |
| 5×25                                   | 0.9                  | 1.8              | 25.8             | 1677           | 0.727                                   |
| 5×35                                   | 0.9                  | 1.8              | 28.5             | 2216           | 0.524                                   |
| 5×50                                   | 1.0                  | 2.0              | 32.3             | 3032           | 0.387                                   |
| 5×70                                   | 1.1                  | 2.1              | 38.4             | 4230           | 0.268                                   |
| 5×95                                   | 1.1                  | 2.3              | 43.7             | 5623           | 0.193                                   |
| 5×120                                  | 1.2                  | 2.4              | 47.7             | 6978           | 0.153                                   |
| 5×150                                  | 1.4                  | 2.6              | 53.5             | 8722           | 0.124                                   |
| 5×185                                  | 1.6                  | 2.8              | 59.3             | 10818          | 0.0991                                  |
| 5×240                                  | 1.7                  | 3.0              | 65.3             | 12149          | 0.0754                                  |

\*Class 1 solid copper conductor, others are class 2 stranded circular. The information in this datasheet is for reference only and is subject to change without notice or liability.