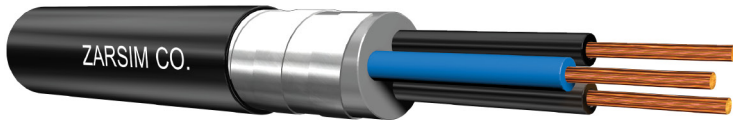


## XLPE insulated, PVC sheathed, multi core tape armoured power cable, 0.6/1 kV



### CU / XLPE / PVC / GSTA / PVC

#### Application:

- These cables can be used indoor or outdoor in cable ducts, cable trays, conduits or underground locations under mechanical stress in power and switching stations, local distribution systems, industrial plants and commercial buildings.

#### Standard:

- IEC 60502-1
- ISIRI 3569-1

#### Construction:

- Plain annealed copper class 1 & 2.
- XLPE insulation.
- Cores twisted together, if necessary in concentric layers.
- Extruded PVC compatible with the operating temperature of the conductor.
- Galvanized steel tape armour.
- PVC sheath type ST2.

#### General specification:

- Rated voltage: 0.6/1 kV.
- Working temperature: Max. 90°C.
- Code designation: N2XBY.

## XLPE insulated, PVC sheathed, multi core tape armoured power cable, 0.6/1 kV

| Cross-sectional area<br>Nom. | No. of wires x<br>diameter<br>Nom. | Insulation<br>thickness | Armour<br>tape<br>thickness | Sheath<br>thickness | Overall<br>diameter | Weight<br>Approx. |
|------------------------------|------------------------------------|-------------------------|-----------------------------|---------------------|---------------------|-------------------|
| mm <sup>2</sup>              | mm                                 | mm                      | mm                          | mm                  | mm                  | kg/km             |
| 2 x 1.5 rm                   | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 12.8                | 260               |
| 2 x 2.5 rm                   | 7 x 0.67                           | 0.7                     | 0.2                         | 1.8                 | 13.8                | 305               |
| 2 x 4 rm                     | 7 x 0.85                           | 0.7                     | 0.2                         | 1.8                 | 14.5                | 360               |
| 2 x 6 rm                     | 7 x 1.04                           | 0.7                     | 0.2                         | 1.8                 | 16.6                | 455               |
| 2 x 10 rm                    | 7 x 1.35                           | 0.7                     | 0.2                         | 1.8                 | 18.0                | 580               |
| 2 x 16 rm                    | 7 x 1.70                           | 0.7                     | 0.2                         | 1.8                 | 19.6                | 740               |
| 2 x 25 rm                    | 7 x 2.14                           | 0.9                     | 0.2                         | 1.8                 | 23.2                | 1050              |
| 3 x 1.5 rm                   | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 13.4                | 285               |
| 3 x 2.5 rm                   | 7 x 0.67                           | 0.7                     | 0.2                         | 1.8                 | 14.4                | 340               |
| 3 x 4 rm                     | 7 x 0.85                           | 0.7                     | 0.2                         | 1.8                 | 15.4                | 410               |
| 3 x 6 rm                     | 7 x 1.04                           | 0.7                     | 0.2                         | 1.8                 | 16.8                | 530               |
| 3 x 10 rm                    | 7 x 1.35                           | 0.7                     | 0.2                         | 1.8                 | 18.5                | 690               |
| 3 x 16 rm                    | 7 x 1.70                           | 0.7                     | 0.2                         | 1.8                 | 20.4                | 910               |
| 3 x 25 rm                    | 7 x 2.14                           | 0.9                     | 0.2                         | 1.8                 | 23.8                | 1280              |
| 3 x 35 rm                    | 7 x 2.52                           | 0.9                     | 0.2                         | 1.8                 | 26.4                | 1650              |
| 3 x 25 / 16 rm               | 7 x 2.14<br>7 x 1.70               | 0.9<br>0.7              | 0.2                         | 1.8                 | 24.8                | 1460              |
| 3 x 35 / 16 rm               | 7 x 2.52<br>7 x 1.70               | 0.9<br>0.7              | 0.2                         | 1.8                 | 27.4                | 1820              |
| 4 x 1.5 rm                   | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 13.8                | 315               |
| 4 x 2.5 rm                   | 7 x 0.67                           | 0.7                     | 0.2                         | 1.8                 | 14.8                | 380               |
| 4 x 4 rm                     | 7 x 0.85                           | 0.7                     | 0.2                         | 1.8                 | 16.0                | 470               |
| 4 x 6 rm                     | 7 x 1.04                           | 0.7                     | 0.2                         | 1.8                 | 18.5                | 620               |
| 4 x 10 rm                    | 7 x 1.35                           | 0.7                     | 0.2                         | 1.8                 | 20.0                | 810               |
| 4 x 16 rm                    | 7 x 1.70                           | 0.7                     | 0.2                         | 1.8                 | 22.0                | 1100              |
| 4 x 25 rm                    | 7 x 2.14                           | 0.9                     | 0.2                         | 1.8                 | 26.2                | 1600              |
| 4 x 35 rm                    | 7 x 2.52                           | 0.9                     | 0.2                         | 1.9                 | 31.4                | 2280              |
| 5 x 1.5 rm                   | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 14.8                | 360               |
| 7 x 1.5 rm                   | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 16.0                | 430               |
| 10 x 1.5 rm                  | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 19.0                | 560               |
| 12 x 1.5 rm                  | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 19.5                | 600               |
| 14 x 1.5 rm                  | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 20.0                | 640               |
| 16 x 1.5 rm                  | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 21.3                | 710               |
| 19 x 1.5 rm                  | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 21.8                | 780               |
| 24 x 1.5 rm                  | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 25.0                | 940               |
| 30 x 1.5 rm                  | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 26.0                | 1070              |
| 37 x 1.5 rm                  | 7 x 0.53                           | 0.7                     | 0.2                         | 1.8                 | 28.2                | 1240              |



**XLPE insulated, PVC sheathed, multi core tape armoured power cable, 0.6/1 kV**

| Cross-sectional area Nom. | No. of wires x diameter Nom. | Insulation thickness | Armour tape thickness | Sheath thickness | Overall diameter | Weight Approx. |
|---------------------------|------------------------------|----------------------|-----------------------|------------------|------------------|----------------|
| mm <sup>2</sup>           | mm                           | mm                   | mm                    | mm               | mm               | kg/km          |
| 40 x 1.5 rm               | 7 x 0.53                     | 0.7                  | 0.2                   | 1.9              | 29.2             | 1345           |
| 52 x 1.5 rm               | 7 x 0.53                     | 0.7                  | 0.2                   | 2.0              | 32.3             | 1610           |
| 61 x 1.5 rm               | 7 x 0.53                     | 0.7                  | 0.2                   | 2.1              | 34.5             | 1850           |
| 5 x 2.5 rm                | 7 x 0.67                     | 0.7                  | 0.2                   | 1.8              | 15.8             | 440            |
| 7 x 2.5 rm                | 7 x 0.67                     | 0.7                  | 0.2                   | 1.8              | 17.0             | 520            |
| 10 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.2                   | 1.8              | 20.6             | 680            |
| 12 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.2                   | 1.8              | 21.1             | 745            |
| 14 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.2                   | 1.8              | 22.2             | 820            |
| 16 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.2                   | 1.8              | 22.8             | 900            |
| 19 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.2                   | 1.8              | 24.0             | 990            |
| 24 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.2                   | 1.8              | 27.5             | 1220           |
| 30 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.2                   | 1.9              | 26.0             | 1420           |
| 37 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.2                   | 1.9              | 31.2             | 1650           |
| 40 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.2                   | 2.0              | 32.4             | 1810           |
| 52 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.5                   | 2.1              | 37.4             | 2570           |
| 61 x 2.5 rm               | 7 x 0.67                     | 0.7                  | 0.5                   | 2.2              | 39.4             | 2920           |