

Cables 0.6/1 kV

N2XY



Description

N2XY 0,6/1kV cables are those recommended for transport and distribution of low voltage electrical energy. Recommended for industrial connections, supplies, internal distribution and outdoor connections. They can be used in sub-surface networks and permanent installations.

- Cables N2XY-J are manufactured with one yellow/green conductor
- Cables N2XY-O are manufactured with one yellow/green conductor

Reference Standards DIN VDE 0276-603 and IEC 60502 and IEC 60502

Applications

Suitable for the following installations:

- Sub-surface networks for low voltage distribution
- Sub-surface power source networks for outside lighting installations
- Electric energy distribution networks. Sub-surface supply lines
- Interior or receptor installations
- Installations in premises with special characteristics

Technical Characteristics

|                     |                                                                                                                       |
|---------------------|-----------------------------------------------------------------------------------------------------------------------|
| 1. Conductor        | Rigid electrolytic copper (Class I or II) in compliance with DIN-VDE 0295, UNE-EN 60228, EN 60228 and IEC 60228       |
| 2. Insulation       | Cross-linked polyethylene (XLPE), type DIX 3 in compliance with DIN VDE 0276-603 e IEC 60502 e IEC 60502 and HD 603S1 |
| 3. Sheath           | PVC type DMV 6 in accordance with DIN VDE 0276-603 and IEC 60502, IEC 60502 and HD 603S1                              |
| Nominal voltage     | 0,6/1 kV                                                                                                              |
| Test voltage        | 3.500 V A.C.                                                                                                          |
| Maximum temperature | 90 °C                                                                                                                 |
| Colours             | Según VDE 0293-308 y HD 308 S2                                                                                        |
| No flame spread     | According to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2                                                         |

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**Dimensions**

| Section (mm <sup>2</sup> ) | Resistance at 20°C (Ohm/km) | External Diameter (mm) | Weight (kg/km) | Class |
|----------------------------|-----------------------------|------------------------|----------------|-------|
| 1x1,5                      | 12,1                        | 4,81                   | 36             | Eca   |
| 1x2,5                      | 7,41                        | 5,06                   | 45             | Eca   |
| 1x4                        | 4,61                        | 5,55                   | 62             | Eca   |
| 1x6                        | 3,08                        | 6,35                   | 87             | Eca   |
| 1x10                       | 1,83                        | 7,1                    | 128            | Eca   |
| 1x16                       | 1,15                        | 8,36                   | 184            | Eca   |
| 1x25                       | 0,727                       | 9,88                   | 281            | Eca   |
| 1x35                       | 0,524                       | 11                     | 371            | Eca   |
| 1x50                       | 0,387                       | 12,4                   | 528            | Eca   |
| 1x70                       | 0,268                       | 14,7                   | 743            | Eca   |
| 1x95                       | 0,193                       | 16,7                   | 1008           | Eca   |
| 1x120                      | 0,153                       | 18,1                   | 1211           | Eca   |
| 1x150                      | 0,124                       | 20,34                  | 1514           | Eca   |
| 1x185                      | 0                           | 22,6                   | 1836           | Eca   |
| 1x240                      | 0,0775                      | 25,25                  | 2467           | Eca   |
| 1x300                      | 0                           | 28,7                   | 3001           | Eca   |
| 1x400                      | 0                           | 32,6                   | 3889           | Eca   |
| 2x1,5                      | 12,1                        | 8,05                   | 94             | Eca   |
| 2x2,5                      | 7,41                        | 8,7                    | 119            | Eca   |
| 2x4                        | 4,61                        | 9,76                   | 164            | Eca   |
| 2x6                        | 3,08                        | 11,1                   | 221            | Eca   |
| 2x10                       | 1,83                        | 12,64                  | 325            | Eca   |
| 2x16                       | 1,15                        | 15,86                  | 527            | Eca   |
| 2x25                       | 0,727                       | 20,3                   | 845            | Eca   |

| Section (mm <sup>2</sup> ) | Resistance at 20°C (Ohm/km) | External Diameter (mm) | Weight (kg/km) | Class |
|----------------------------|-----------------------------|------------------------|----------------|-------|
| 2x35                       | 0,524                       | 21,4                   | 1040           | Eca   |
| 3x1,5                      | 12,1                        | 8,52                   | 111            | Eca   |
| 3x2,5                      | 7,41                        | 9,22                   | 145            | Eca   |
| 3x4                        | 4,61                        | 10,23                  | 200            | Eca   |
| 3x6                        | 3,08                        | 11,75                  | 275            | Eca   |
| 3x10                       | 1,83                        | 13,47                  | 417            | Eca   |
| 3x16                       | 1,15                        | 16,88                  | 667            | Eca   |
| 3x25                       | 0,727                       | 20,21                  | 1011           | Eca   |
| 3x35                       | 0,524                       | 22,9                   | 1335           | Eca   |
| 4x1,5                      | 12,1                        | 9,25                   | 133            | Eca   |
| 4x2,5                      | 7,41                        | 10,04                  | 176            | Eca   |
| 4x4                        | 4,61                        | 11,17                  | 245            | Eca   |
| 4x6                        | 3,08                        | 12,94                  | 345            | Eca   |
| 4x10                       | 1,83                        | 14,83                  | 523            | Eca   |
| 4x16                       | 1,15                        | 18,5                   | 836            | Eca   |
| 4x25                       | 0,727                       | 22,55                  | 1295           | Eca   |
| 4x35                       | 0,524                       | 25,3                   | 1699           | Eca   |
| 5x1,5                      | 12,1                        | 10,07                  | 160            | Eca   |
| 5x2,5                      | 7,41                        | 11,01                  | 215            | Eca   |
| 5x4                        | 4,61                        | 12,2                   | 298            | Eca   |
| 5x6                        | 3,08                        | 14,21                  | 422            | Eca   |
| 5x10                       | 1,83                        | 16,36                  | 644            | Eca   |
| 5x16                       | 1,15                        | 20,25                  | 1020           | Eca   |
| 5x25                       | 0,727                       | 25,3                   | 1617           | Eca   |
| 5x35                       | 0,524                       | 28                     | 2086           | Eca   |