



## NHXMH-J 4x4 DIN VDE 0250-214

Power cables with copper conductors, XLPE-insulated, with halogen-free polymer compound outer sheath

#### Cables are used for:

- electric wiring and cable lines installation in industrial, residential and public buildings and facilities
- laying over the plaster, inside and under plaster, in brick masonry and concrete, in pipes and ducts
- wiring in office premises equipped with computer and microprocessor equipment, in kindergartens, schools, hospitals, for cable lines of entertainment complexes and sports facilities
- · outdoor installation, if protected from sun rays

Manufacturing of cables with light-stabilized outer sheath is possible

Fire safety code in accordance with ДСТУ 4809:2007: ПБ123122000

Products of this mark meet the requirements:

- · single wire cable flame retardance
- · bunched cable flame retardance category A
- toxicity class Tk3 of the combustion products of nonmetallic elements (toxicity index over 120 g/m³)
- class  $\mu$ TK1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)
- class ДΠκ2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)
- corrosive class  $K\kappa 2$  of combustion products of non-metallic elements (the number of halogen hydrides less than 150 mg/g, pH more than 4.3, specific conductivity less than 10  $\mu$ S/mm)

### **TECHNICAL SPECIFICATIONS**

| Rated voltage   | kV    | 0.66             |
|---|-------|------------------|
| Number and rated area of conductors                         | mm²   | 4 x 4            |
| Insulation thikness   | mm    | 0.6              |
| Permissible continious current rating *                     |       |                  |
| by aerial laying (AC of industrial frequency) *             | Α     | 41               |
| by burial (AC of industrial frequency) *                    | Α     | 48               |
| Operating temperature range                                 | °C    | -50 +50          |
| Minimum bending radius by laying                            | mm    | 51.2             |
| Rated outer diameter of the cable (for reference) **        | mm    | 12.8             |
| Cable weight (approximate)                                  | kg/km | 310              |
| Rated factory cable length and gross weight of the delivery | m, t  | # 10: 1650 • 0.6 |
| on the drums ***  |       |                  |

#### Notes:

When ordering it is neccesary to agree the factory length of the product with the manufacturer

<sup>\*</sup> Long permissible current loads are calculated during operation in four-wire networks with load in all the conductors for the following conditions: air temperature plus 25 °C, soil temperature plus 15 °C, thermal resistivity of soil 1.2 °K • m/W, laying depth in the soil 0.7 m

<sup>\*\*</sup> The external diameter may differ from the rated up to  $\pm$  10 %



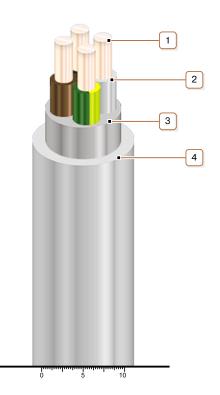




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## **CONSTRUCTION**

- 1. Copper conductor
- 2. XLPE insulation
- 3. Halogen-free polymer compound inner sheath
- **4.** Outer sheath of halogen-free polymer composition Note: Manufacturing of cables with light-stabilized outer sheath is possible