



NHXMH-J 3x2.5 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 ДТк1 on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m²/kg)*
- *class ДПк2 on smoke-forming ability by combustion (minimum luminous flux more than 60 %)*
- *corrosive class Kk2 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 μS/mm)*

TECHNICAL SPECIFICATIONS

| | | |
|--|-----------------|-------------|
| Rated voltage | kV | 0.66 |
| Number and rated area of conductors | mm ² | 3 x 2.5 |
| Insulation thickness | mm | 0.5 |
| Permissible continuous current rating * | | |
| • <i>by aerial laying (AC of industrial frequency) *</i> | A | 34 |
| • <i>by burial (AC of industrial frequency) *</i> | A | 40 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 39.6 |
| Rated outer diameter of the cable (for reference) ** | mm | 9.9 |
| Cable weight (approximate) | kg/km | 180 |

Notes:

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

** Long permissible current loads are calculated 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*

*** The external diameter may differ from the rated up to ± 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*

