



NHXMH-J 4x16 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

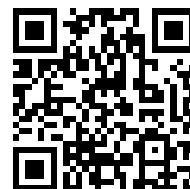
| | | |
|--|-----------------|-------------------------------------|
| Rated voltage | kV | 0.66 |
| Number and rated area of conductors | mm ² | 4 x 16 |
| Insulation thickness | mm | 0.7 |
| Permissible continuous current rating * | | |
| • by aerial laying (AC of industrial frequency) * | A | 96 |
| • by burial (AC of industrial frequency) * | A | 104 |
| Operating temperature range | °C | -50 ... +50 |
| Minimum bending radius by laying | mm | 82 |
| Rated outer diameter of the cable (for reference) ** | mm | 20.5 |
| Cable weight (approximate) | kg/km | 990 |
| Rated factory cable length and gross weight of the delivery on the drums *** | m, t | # 12: 820 • 0.9 # 14: 1570 • 1.7 |

Notes:

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

* 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

** The external diameter may differ from the rated up to ± 10 %



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CONSTRUCTION

1. Copper multiwire 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*

