



7, Autogennaya Str., Kharkov, 61099, Ukraine. Phone: (+38-057) 728-1244, 728-1241. Fax: (+38-057) 728-1243, (+38-0572) 946-830 E-mail: market@yuzhcable.com.ua

NHXMH-O 4x6 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: ΠБ123122000
- 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]T\kappa 1$ 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 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 μ S/mm)

TECHNICAL SPECIFICATIONS

| Rated voltage | kV | 0.66 |
|---|-------|------------------|
| Number and rated area of conductors | mm² | 4 x 6 |
| Insulation thikness | mm | 0.6 |
| Permissible continious current rating * | | |
| by aerial laying (AC of industrial frequency) * | А | 52 |
| by burial (AC of industrial frequency) * | А | 59 |
| Operating temperature range | °C | -50 +50 |
| Minimum bending radius by laying | mm | 57.6 |
| Rated outer diameter of the cable (for reference) ** | mm | 14.4 |
| Cable weight (approximate) | kg/km | 430 |
| Rated factory cable length and gross weight of the delivery | m, t | # 10: 1210 · 0.6 |
| on the drums *** | | # 12: 1670 · 0.8 |
| Notoc: | | |

Notes:

When ordering it is neccesary 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 \cdot m/W, laying depth in the soil 0.7 m ** The external diameter may differ from the rated up to ± 10 %

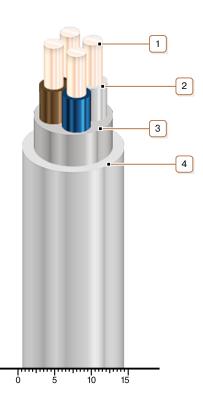




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CONSTRUCTION

- 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