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# NHXMH-J 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: 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/m<sup>3</sup>)

• class  $\[mu]T\kappa 1$  on smoke-forming ability by smouldering of non-metallic elements (coefficient of smoke formation from 50 to 500 m<sup>2</sup>/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  $\mu$ 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 *		
<ul> <li>by aerial laying (AC of industrial frequency) *</li> </ul>	А	52
<ul> <li>by burial (AC of industrial frequency) *</li> </ul>	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
Notor		

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 %

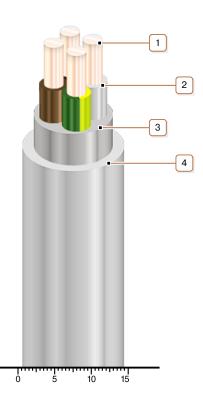




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### CONSTRUCTION

- 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