

1602000	<b>DATA SHEET</b>	
valid from: 2021-09-01	NHXMH	

## Application

NHXMH is a halogen-free installation cable for fixed installation on, in and under the plaster, in dry, damp and wet rooms, as well as in masonry or concrete, with the exception of direct embedding in vibrated and compressed concrete. NHXMH cables are especially used in buildings or industrial plants with a high concentration of persons or valuable property. These cables are also suitable for outdoor use.

## Design

Design	acc. to VDE 0250-214
Certification	NHXMH acc. to VDE 0250-214
	Classification of fire behaviour according to EN 13501-6 and EN 50575 (article/dimension range see <a href="http://www.lappkabel.com/cpr">www.lappkabel.com/cpr</a> )
Conductor	single or multi wire conductors of bare copper acc. to IEC 60228 resp. EN 60228, class 1 resp. Class 2
Insulation	Polyethylene Compound 2X11 acc. to VDE 0276-604
Core identification code	acc. to VDE 0293
Outer sheath	halogen free, thermoplastic compound HM2 acc. to VDE 0250-214

## Electrical properties at 20 °C

Nominal voltage	300/500 V
Test voltage	2000 V AC

## Mechanical and thermal properties

Minimum bending radius	fixed installation 4 x outer diameter
Temperature range	max. conductor temperature: +70 °C max. conductor temperature
Flammability	flame retardant acc. to IEC 60332-1-2 resp. EN 60332-1-2 flame propagation acc. to IEC 60332-3-24 resp. EN 60332-3-24
Corrosivity of gases	acc. to EN 60754-2 resp. IEC 60754-2
Smoke density	acc. to EN 61034-1 resp. IEC 61034-1

**Tests** acc. to IEC 60811 resp. EN 60811, EN 50395, EN 50396

**General requirements** These cables conform to the EU-Directive 2014/35/EU (Low Voltage Directive).  
These cables (see [www.lappkabel.com/cpr](http://www.lappkabel.com/cpr)) are classified in accordance with the EU-Regulation no. 305/2011 (CPR).

**Environmental information** These cables meet the substance-specific requirements of the EU Directive 2011/65/EU (RoHS).

**Note** Trade product, no Lapp product

Creator: PESA / PDC	Document: DB1602000EN	Page 1 of 1
Released: ALTE / PDC	Version: 05	