

1602000	DATA SHEET	
valid from: 01.01.2019	NHXMH Installation-Cable	

Application

NHXMH Installation-Cable 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 Teil 214
Certification	NHXMH in acc. to VDE 0250 part 214
Conductor	single or multi wire conductors of bare copper in accordance to IEC 228 that is VDE 0295, class 1 that is 2
Insulation	Polyethylene Compound 2Xl1 in acc. to VDE 0276 part 604
Core identification code	coloured-coded in acc. to HD 186 resp. VDE 0293
Outer sheath	halogen free, thermoplastic compound HM2 in acc. to VDE 0276 part 214

Electrical properties at 20°C

Rated voltage	300 / 500 V
Test voltage	2000 V AC

Mechanical and thermal properties

Minimum bending radius	fixed installation 4 x cable diameter
Temperature range	max. conductor temperature: +70 °C
Flammability	acc. to IEC 60 332.1 and IEC 60 332.3 resp. VDE 0482
Corrosivity of gases	max. value in acc. to VDE 0472 part 813
Smoke density	63 % light transmission acc. to VDE 0472 part 816 resp. IEC 1034.1
Tests	acc. to VDE 0472 and IEC 811-x.x that is VDE 0473
General requirements	These cables are conform to the EU-Directive 2014/35/EU (Low Voltage Directive)

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