

DATA SHEET	16020xx
NHXMH Installation-Cable	valid from : 01.11.1999

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

Conductor	single or multi wire conductors of bare copper in accordance to IEC 228 that is VDE 0295, class 1 that is 2
Design	in acc. to VDE 0250 Teil 214
Core insulation	Polyethylene Compound 2X11 in acc. to VDE 0276 part 604
Identification	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

Nominal voltage	300 / 500 V
Test voltage	2000 V AC

Mechanical and thermal properties

Temp. range	max. conductor temperature: 70 °C
Min. bending radius	fixed installation 4 x cable diameter
Flame retardant	in acc. to IEC 60 332.1 and IEC 60 332.3 resp. VDE 0482
Smoke density	63 % light transmission in acc. to VDE 0472 part 816 resp. IEC 1034.1
Corrosivity	max. value in acc. to VDE 0472 part 813
Approvals	NHXMH in acc. to VDE 0250 part 214
Tests	in acc. to VDE 0472 and IEC 811-x.x that is VDE 0473
EC directive	This cable confirms to ECD 73/23/EEC (low voltage directive).

elaborated by: TE-K: N. Ensslen / M. Herb	Document: DB1602000_2EN	page 1 of 1
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