



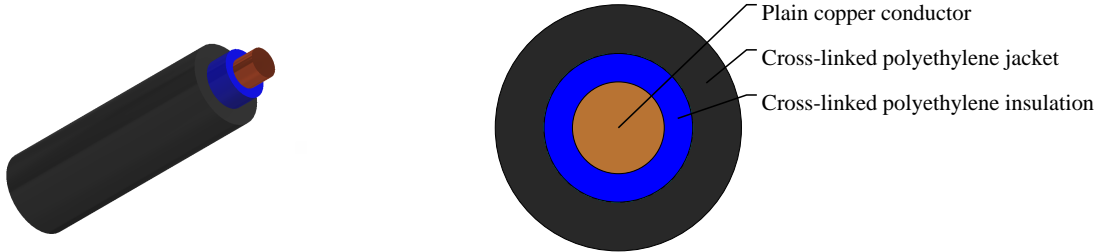
# Caledonian

Industrial Cables (German Standard)

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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## NHXMH



## APPLICATIONS

NHXMH cable is halogen free intended for fixed installation in dry and moist rooms as well as in masonry and concrete, in and under plaster; not for underground installation. NHXMH-J/O are especially used in buildings with a high concentration of persons or valuable property, where improved fire characteristics are needed. This product conforms to 73/23/EW G directive (low voltage directive) CE.

## STANDARDS

VDE 0250 (part 214)

VDE 0482 (part 266-2-4, test type C)

IEC 60228

IEC 60332-3-22

IEC 60754-1

IEC 60754-2

IEC 61034

## VOLTAGE RATING

300/500V

## CABLE CONSTRUCTION

- Solid plain copper conductor
- To DIN VDE 0295 cl. 1, BS 6360 cl. 1 and IEC 60228 cl. 1
- Cross-linked polyethylene compound insulation 2X11 to DIN VDE 0207 part 22
- Green-yellow grounding (3 conductors and above)
- Halogen free filling compound (not for single core cables)
- Flame-retardant, halogen free polyethylene compound jacket HM2 according to DIN VDE 0207 part 24

## COLOUR CODE

Insulation Colour Code

Color coded to DIN VDE 0293-308

Single core - Black, Blue, Green/Yellow, Red, Yellow, White, Violet, Brown, Grey, Orange, Pink

## PHYSICAL AND THERMAL PROPERTIES

- Test voltage: 2000 volts



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- Minimum bending radius: single conductor  $15 \times \varnothing$
- Minimum bending radius: multi conductor  $12 \times \varnothing$
- Flexing temperature:  $-5^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$
- Fixed installation temperature:  $-30^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
- Short circuit temperature:  $+250^{\circ}\text{C}$
- Flame-retardant to DIN VDE 0482 part 266-2/HD 405.3/BS 4066 PT3/EN 50266-2/IEC 60332-3
- Low corrosiveness of combustion gases to DIN VDE 0482 part 267/BS 6425 PT2/EN 50267-2-2/IEC 60754-2
- Halogen-free to DIN VDE 0482 part 267/BS 6425 PT1/EN 50267-2-1/IEC 60754-1
- Smoke density to DIN VDE 0482 part 268/HD 606/BS 7622 PT1,PT2/EN 50268-1,-2/IEC 61034-1,-2
- Insulation resistance:  $>100\text{ M}\Omega \times \text{km}$

## DIMENSION AND PARAMETERS

No. of Cores × Cross-sectional Area	AWG Size	Approx. Overall Diameter	Nominal Copper Weight	Approx. Weight
No. × mm <sup>2</sup>		mm	kg/km	kg/km
1x4	12	8.6	39	80