



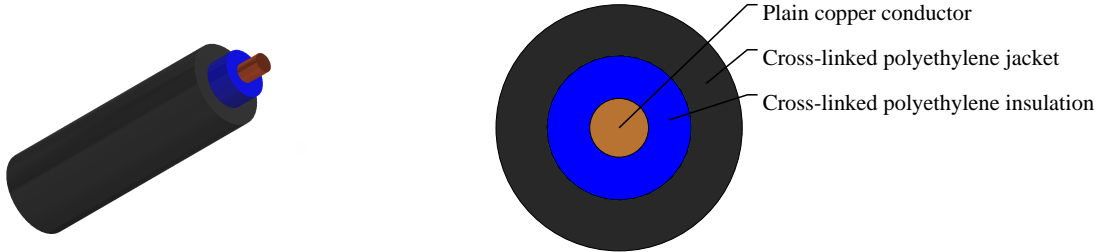
Caledonian

Industrial Cables (German Standard)

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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°C to $+50^{\circ} \text{C}$
- Fixed installation temperature: -30°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 ² | | mm | kg/km | kg/km |
| 1 × 1.5 | 16 | 7 | 15 | 49 |