# NHXMH-J



## Application

Halogen-free plastic-sheated cables with enhanced characteristics in case of fire are used for applications where harm to human life and damage to property must be prevented in the event of fire, e.g. in industrial installations, communal establishments, hotels, airports, underground stations, railway stations, hospitals, department stores, banks, schools, theatres, multistorey buildings, process control centres etc. Suitable for installation in dry, damp or wet environments, for installation above, on, in and beneath plaster as well as in masonry walls and in concrete, not for direct embedding in vibration, compacted or tamped concrete.

The materials used are free from silicon and cadmium and free from varnish damaging sustances.

## Standards

DIN VDE 0250-214 VDE 0250-214:2002-04,
DIN EN IEC 60332-3-24 VDE 0482-332-3-24:2019-05 ; DIN EN 61034-2 ;
DIN EN 60754-1 VDE 0482-754-1:2021-02

CE = The product is conformed with the EC Low-Voltage Directive 2014/35/EU.

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# Mantel- / Schlauchleitungen
# Sheathed Wires

## Construction

| | |
|---|---|
| **Inner Conductor** | plain copper conductor,core up to 10 mm², multi-core from 16-35 mm² according to DIN VDE 0295 Kl. 1 or 2, BS 6360 cl. 1 or cl. 2 and IEC 60228 cl. 1 or 2 |
| **Core Insulation** | cross-linked polymer compound 2XI1 to DIN VDE 0207 Teil 22 |
| **Core Color** | acc. DIN VDE 0293 respectively HD 308 S2 (7 core type with coloured cores : yellow/green, violet, pink, orange, brown, black, blue) |
| **Stranding Elements** | cores stranded in layers with optimalbr>lay-length |
| **Inner Sheath Material** | overall core jacket of halogen-free filling compound (not for single-core cables) |
| **Outer Insulation Material** | halogen-free, polmer compound HM2 |

## Technical Data

| | |
|---|---|
| **Nominal Voltage** | $U_0$/U: 300 /500 V |
| **Nominal Volatage DC** | $U_0$/U: 0 /0 |
| **Test Voltage** | 2000 V |
| **Bending Radius fixed (xD)** | 4 |
| **Operating Temperature solid** | -40 °C bis 70 °C |
| **Operating Temperature moving** | 5 °C bis 70 °C |
| **Fire Classes** | Dca, B2ca |


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# Mantel- / Schlauchleitungen
# Sheathed Wires

| Prod. Nr.<br>Prod. Nr. | Option<br>Option | Dimensions<br>Dimensions | Color<br>Color | Weight (kg/km) approx.<br>Weight (kg/km) approx. | Outer-Diameter (mm) approx.<br>Outer-Diameter (mm) approx. |
|---|---|---|---|---|---|
| 01903036 | O | 1 x 1,5 | grey - grey | 80,0 | 5,0 |
| 01903037 | O | 1 x 2,5 | grey - grey | 80,0 | 6,5 |
| 01903038 | J | 1 x 2,5 | grey - grey | 80,0 | 6,5 |
| 01903045 | J | 1 x 4 | grey - grey | 105,0 | 6,0 |
| 01903042 | J | 1 x 6 | grey - grey | 150,0 | 7,4 |
| 01903044 | J | 1 x 10 | grey - grey | 200,0 | 7,4 |
| 01903043 | J | 1 x 16 | grey - grey | 295,0 | 9,6 |
| 01903049 | J | 1 x 25 | grey - grey | 395,0 | 12,0 |
| 01903025 | O | 2 x 1,5 | grey - grey | 110,0 | 8,5 |
| 01903027 | O | 2 x 2,5 | grey - grey | 140,0 | 9,0 |
| 01903002 | J | 3 x 1,5 | grey - grey | 130,0 | 9,0 |
| 01903006 | J | 3 x 2,5 | grey - grey | 165,0 | 9,5 |
| 01903019 | J | 3 x 4 | grey - grey | 235,0 | 12,0 |
| 01903029 | J | 3 x 6 | grey - grey | 320,0 | 14,0 |
| 01903055 | | 3 x 10 | grey - grey | 485,0 | 16,0 |
| 01903047 | J | 3 x 16 rm | grey - grey | 732,0 | 17,7 |
| 01903046 | J | 3 x 25 rm | grey - grey | 1.032,0 | 18,0 |
| 01903003 | J | 4 x 1,5 | grey - grey | 150,0 | 9,5 |
| 01903018 | J | 4 x 2,5 | grey - grey | 200,0 | 11,5 |
| 01903008 | J | 4 x 4 | grey - grey | 300,0 | 12,5 |
| 01903010 | J | 4 x 6 | grey - grey | 395,0 | 14,0 |
| 01903022 | J | 4 x 10 re | grey - grey | 680,0 | 18,0 |
| 01903023 | J | 4 x 16 rm | grey - grey | 1.030,0 | 22,0 |
| 01903030 | J | 4 x 25 rm | grey - grey | 1.432,0 | 27,0 |

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|---|---|---|---|---|---|
| 01903031 | J | 4 x 35 rm | grey - grey | 1.930,0 | 29,9 |
| 01903004 | J | 5 x 1,5 | grey - grey | 175,0 | 10,0 |
| 01903007 | J | 5 x 2,5 | grey - grey | 235,0 | 11,0 |
| 01903020 | J | 5 x 4 | grey - grey | 350,0 | 15,5 |
| 01903021 | J | 5 x 6 | grey - grey | 480,0 | 16,5 |
| 01903032 | J | 5 x 10 re | grey - grey | 830,0 | 21,0 |
| 01903024 | J | 5 x 16 rm | grey - grey | 1.140,0 | 25,0 |
| 01903034 | J | 5 x 25 rm | grey - grey | 1.800,0 | 29,0 |
| 01903035 | J | 5 x 35 rm | grey - grey | 2.490,0 | 32,7 |
| 01903005 | J | 7 x 1,5 | grey - grey | 210,0 | 11,0 |
| 01903028 | J | 7 x 2,5 | grey - grey | 300,0 | 12,5 |
| 01903016 | J | 10 x 1,5 | grey - grey | 264,0 | 11,6 |
| 01903017 | J | 12 x 1,5 | grey - grey | 354,0 | 12,9 |

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