

Cables 300/500 V

NHXMH



Description

NHXMH energy cables are suitable for installations where special properties are required in response to fire with a low smoke and corrosive gas emission. They are suitable for indoor and outdoor installations but not for those that are buried or embedded in concrete.

Reference Standards: DIN VDE 0250-214

Applications

These cables are suitable for installations that require special protection for people in the event of fire, such as in: hotels, hospitals, theatres, shopping centres...

Technical Characteristics

| | |
|---------------------|---|
| 1. Conductor | Class I electrolytic copper for cross-sections 1.5 to 10 and class II for cross-sections 16 to 35 in compliance with DIN VDE 0295 |
| 2. Insulation | Type 2X11 cross-linked polyethylene (XLPE) in compliance with DIN VDE 0276 |
| 3. Sheath | Halogen-free HME-type thermoplastic polyolefin in compliance with DIN VDE 0250-214 |
| Nominal voltage | 300/500 V |
| Test voltage | 2.000 V A.C. |
| Maximum temperature | 90 °C |

Other characteristics

Sheath colour: grey

Conductors coloured according VDE 0293

Non-flame propagating according to UNE-EN 60332-1-2, EN 60332-1-2 and IEC 60332-1-2

Non-fire propagating in accordance with UNE-EN 60332-3-24, EN 60332-3-24 and IEC 60332-3-24

Low halogen and corrosive gas content in compliance with DIN VDE 0482 part 267-2-2

Low emission of opaque fumes in compliance with DIN VDE 0482 part 268

Dimensions

| Section (mm ²) | Resistance at 20 °C (Ohm/km) | External Diameter (mm) | Weight (kg/km) |
|----------------------------|------------------------------|------------------------|----------------|
| 1x1,5 | 12,1 | 5,15 | 40 |
| 1x2,5 | 7,41 | 7,00 | 74 |
| 1x4 | 4,61 | 6,20 | 71 |
| 1x6 | 3,08 | 6,70 | 92 |
| 1x10 | 1,83 | 7,70 | 136 |
| 1x16 | 1,15 | 8,80 | 197 |
| 2x1,5 | 12,1 | 8,30 | 100 |
| 2x2,5 | 7,41 | 9,10 | 129 |
| 2x4 | 4,61 | 10,40 | 179 |
| 2x6 | 3,08 | 10,60 | 211 |
| 2x10 | 1,83 | 14,20 | 371 |
| 2x16 | 1,15 | 16,40 | 529 |
| 2x25 | 0,727 | 20,10 | 808 |
| 2x35 | 0,524 | 23,00 | 1.086 |
| 3x1,5 | 12,1 | 8,50 | 113 |
| 3x2,5 | 7,41 | 8,70 | 135 |
| 3x4 | 4,61 | 10,95 | 217 |
| 3x6 | 3,08 | 11,65 | 276 |
| 3x10 | 1,83 | 15,00 | 463 |
| 3x16 | 1,15 | 17,75 | 686 |
| 3x25 | 0,727 | 21,70 | 1.047 |
| 3x35 | 0,524 | 24,35 | 1.385 |
| 4x1,5 | 12,1 | 8,50 | 121 |
| 4x2,5 | 7,41 | 9,50 | 144 |
| 4x4 | 4,61 | 11,30 | 218 |
| 4x6 | 3,08 | 12,70 | 302 |
| 4x10 | 1,83 | 15,10 | 477 |
| 4x16 | 1,15 | 18,00 | 713 |
| 4x25 | 0,727 | 22,60 | 1.138 |
| 4x35 | 0,524 | 24,90 | 1.500 |
| 5x1,5 | 12,1 | 10,00 | 163 |
| 5x2,5 | 7,41 | 11,00 | 219 |
| 5x4 | 4,61 | 12,50 | 267 |
| 5x16 | 1,15 | 19,70 | 868 |
| 5x25 | 0,727 | 24,70 | 1.384 |
| 5x35 | 0,524 | 27,50 | 1.839 |
| 7x1,5 | 12,1 | 10,50 | 195 |
| 7x2,5 | 7,41 | 11,40 | 226 |