

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