


**Construction**

Solid or stranded bare copper conductor, insulated with cross-linked polyethylene (2X11), core colours according to VDE 0293, cores are stranded, above 7 cores they are also layered, common core covering of a halogen-free filling compound, outer sheath of a halogen-free compound HM2, light grey (RAL 7035) with black marking.

**Application**

To be installed in buildings or industrial plants where many people and goods are concentrated. As they don't develop corrosive and halogen gases under the impact of fire, and the smoke and fume generation is also minimal, the damage caused is much smaller. They are destined for the installation on, in and under the wall-surface in dry, humid and wet locations as well as in brickwork or outdoors but not directly into the earth.

**Temperature range**

During laying	- 5°C till + 70°C
After laying	- 40°C till + 70°C
Admissible conductor temperature	+ 70°C

Number of cores and Nominal cross section mm <sup>2</sup>	Price  EUR / km	Copper figure  kg / km	Conductor construction (approx. value)  mm	Overall diameter  ca. mm	Weight  ca. kg / km	Calorific potential  kWh/m
<b>NHXMH 300/500 V</b>						
2 x 1,5	<b>1.572,39</b>	30	1 x 1,38	8,5	110	0,36
3 x 1,5	<b>1.735,80</b>	45	1 x 1,38	8,7	126	0,42
3 x 2,5	<b>2.185,16</b>	75	1 x 1,78	9,5	167	0,47
4 x 1,5	<b>2.134,12</b>	60	1 x 1,38	9,5	150	0,47
4 x 2,5	<b>2.688,96</b>	100	1 x 1,78	10,5	200	0,56
4 x 4	3.333,96	160	1 x 2,25	12,5	300	0,78
4 x 6	4.216,70	240	1 x 2,76	14,0	395	0,94
4 x 10 RE	6.243,73	400	1 x 3,56	18,0	680	1,30
4 x 16 RM	10.724,50	640	7 x 1,70	22,0	1030	1,80
5 x 1,5	<b>2.625,82</b>	75	1 x 1,38	10,0	175	0,56
5 x 2,5	<b>3.366,11</b>	125	1 x 1,78	11,0	235	0,64
5 x 4	<b>4.289,45</b>	200	1 x 2,25	14,0	350	0,98
5 x 6	<b>5.302,61</b>	300	1 x 2,76	15,0	480	1,10
5 x 10 RE	<b>7.204,84</b>	500	1 x 3,56	21,0	830	1,50
5 x 16 RM	<b>13.849,10</b>	800	7 x 1,70	24,0	1280	2,20
7 x 1,5	<b>3.062,01</b>	105	1 x 1,38	10,7	214	0,64
10 x 1,5 *	<b>3.842,90</b>	150	1 x 1,38	11,6	264	0,95
12 x 1,5 *	4.365,93	180	1 x 1,38	12,9	354	1,00

\* Adapted to VDE.

**Remark:**

Halogen-free according to DIN VDE 0472-813.  
Corrosiveness of combustion gases (halogen content) according to DIN VDE 0472-813  
Fire behaviour (nonflammability) according to DIN VDE 0472-804, test C.