



HELUKABEL NHMH-O 3x1,5 / 51981 300/500 V 001042644

CE



## Technical data

- Plastic-sheathed cable, halogen-free, for fixed installation to DIN VDE 0250 part 215
- Permissible **working temperature** at the conductor +70°C
- **Nominal voltage** U<sub>0</sub>/U 300/500 V
- **Minimum bending radius** fixed installation 4x cable Ø
- **Caloric load values** see Technical Informations

## Cable structure

- Bare copper-conductor, single-wire or multi-wire
- Core insulation of halogen-free thermoplastic polymer compound with optimum wall thickness
- Core identification to DIN VDE 0293-308 1-core version - core colour BK
- Cores stranded in layer
- Outer sheath of non-cross-linked, halogen-free thermoplastic polymer compound
- Sheath colour grey (RAL 7035)

## Properties

### Tests

- Corrosive nature of combustion gases (halogen-free verification) testing acc. to DIN VDE 0482 part 267, DIN EN 50267-2-2, IEC 60754-2, HD 602 (equivalent DIN VDE 0472 part 813)
- Behaviour in fire self-extinguishing and flame retardant to DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B)
- Low smoke testing acc. to DIN VDE 0472 part 818

### Note

- re = round conductor, single-wire
- rm = round conductor, multi-wire
- x = without green-yellow conductor
- O-version: single-core conductor with black core insulation. Cables between two and seven cores are without gn-ye core.
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.

## Application

This plastic-sheathed cable of defined behaviour in case of fire is used for installations in residential dwellings, public buildings as well as in industrial constructions. Suitable for applications in dry, damp or wet environments for installation above, on, in and beneath plaster, as well as in masonry and concrete walls, not however for embedding in vibration, compacted or tamped concrete. The cable is also approved for outdoor applications provided these are not exposed to direct sunlight radiation. Installation of this cable in earth or in water is not permitted.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EC.

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
51970	1 x 1,5 re	8,3	14,4	39,0	16
51976	2 x 1,5 re	8,9	29,0	82,0	16
51981	3 x 1,5 re	9,2	43,0	92,0	16
51983	4 x 1,5 re	9,9	58,0	115,0	16
51991	7 x 1,5 re	11,5	101,0	167,0	16
51971	1 x 2,5 re	9,0	24,0	47,0	14
51977	2 x 2,5 re	10,0	48,0	110,0	14
51982	3 x 2,5 re	10,6	72,0	128,0	14
51984	4 x 2,5 re	11,0	96,0	152,0	14
51972	1 x 4 re	9,5	38,0	62,0	12
51978	2 x 4 re	11,5	77,0	160,0	12
51985	4 x 4 re	13,4	154,0	244,0	12
51973	1 x 6 re	10,0	58,0	83,0	10
51979	2 x 6 re	12,4	115,0	208,0	10
51986	4 x 6 re	15,9	230,0	345,0	10

Part no.	No. cores x cross-sec. mm <sup>2</sup>	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
51974	1 x 10 re	11,5	96,0	125,0	8
51980	2 x 10 re	14,9	192,0	340,0	8
51987	4 x 10 re	17,5	384,0	522,0	8
51975	1 x 16 rm	12,9	154,0	188,0	6
51988	4 x 16 rm	19,9	614,0	815,0	6
51989	4 x 25 rm	27,4	960,0	1305,0	4
51990	4 x 35 rm	30,4	1344,0	1750,0	2

Dimensions and specifications may be changed without prior notice. (R001)